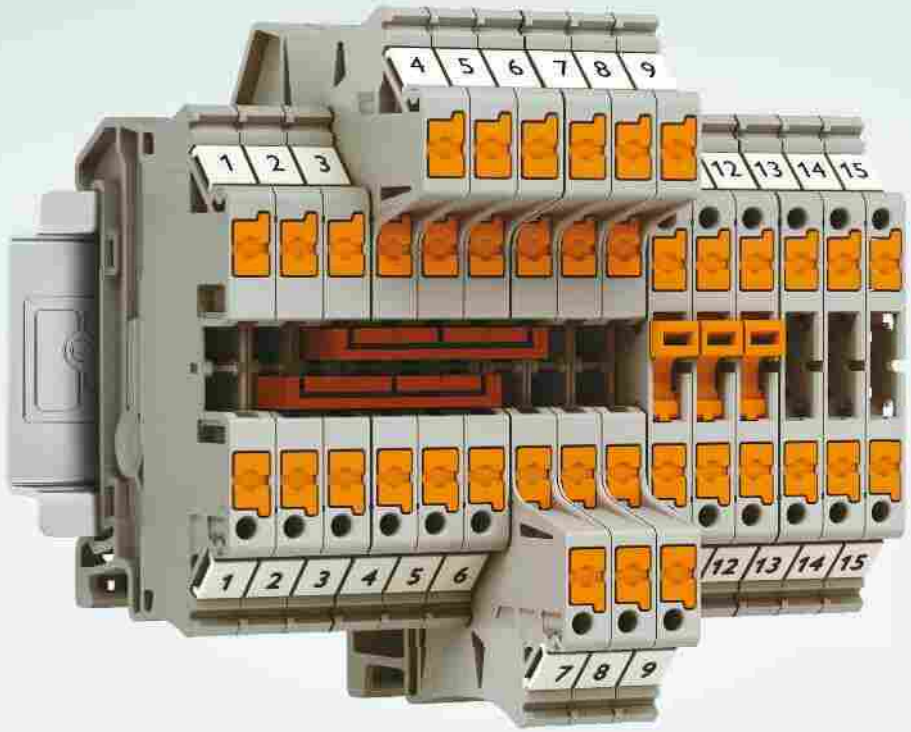

1

Terminal blocks

2019 / 2020

PHOENIX CONTACT
INSPIRING INNOVATIONS

Terminal blocks

- Terminal blocks

Sensor/actuator cabling and connectors

- Sensor/actuator cabling
- Cables and lines
- Connectors

Marking systems, tools, and mounting material

- Marking and labeling
- Tools
- Installation and mounting material

Surge protection, power supplies, and device circuit breakers

- Surge protection and interference suppression filters
- Power supplies and UPS
- Protective devices

Interface technology and switching devices

- Electronic switching devices and motor control
- Measurement and control technology
- Monitoring
- Relay modules
- System cabling for controllers

Automation

- PLCnext Technology
- Industrial cloud computing
- Software
- PLCs and I/O systems
- Functional safety
- Industrial communication technology
- HMIs and industrial PCs
- Lighting and signaling

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- Charging technology for electromobility

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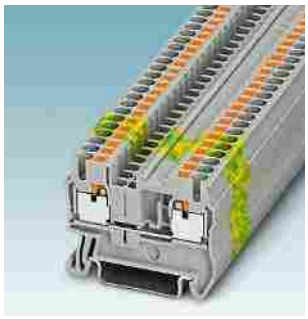
Table of contents

Illustrated product range overview			**4**
COMPLETE line – The comprehensive solution for the control cabinet			**16**
CLIPLINE complete system features			**18**
Terminal blocks CLIPLINE complete	PT Push-in connection terminal blocks PTPOWER high-current terminal blocks		**28**
	UT screw connection terminal blocks		**142**
	ST spring-cage connection terminal blocks		**200**
	QT fast connection terminal blocks		**250**
	COMBI plug-in connection solutions		**266**
	RT, RBO bolt connection terminal blocks HV high-current connectors		**374**
	Accessories		**398**
Distribution blocks	PTFIX PT connection technology		**424**
Terminal blocks Classic	UK universal terminal blocks OTTA, RSC, UHV high-current terminal blocks UBAL universal terminal blocks SK shield connection clamps		**454**
Industry-specific solutions	Energy technology, process technology, photovoltaics, and building installation		**606**
Service	Planning and marking software, services for terminal strips, housings, and markings		**662**
Technical information and index			**674**

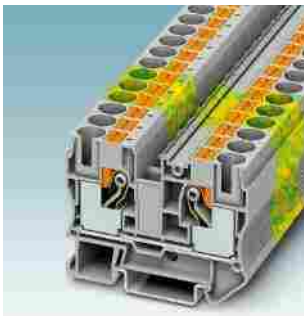
Access the right product more quickly from here

PT Push-in connection terminal blocks

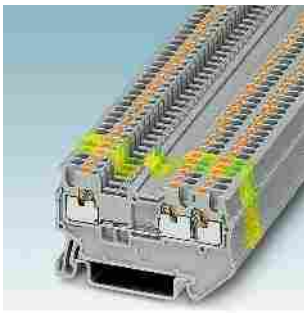
Page 29



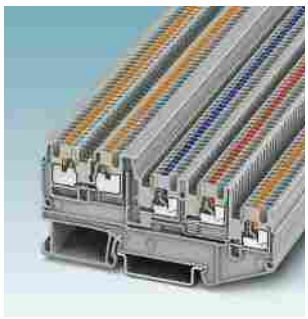
Feed-through and ground terminal blocks
1.5 mm² ... Page 38
2.5 mm² ... Page 70
4 mm² ... Page 98



6 mm² ... Page 110
10 mm² ... Page 120
16 mm² ... Page 124

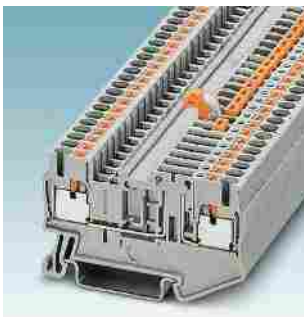


Three-conductor terminal blocks
1.5 mm² ... Page 39
2.5 mm² ... Page 71
4 mm² ... Page 99
6 mm² ... Page 111



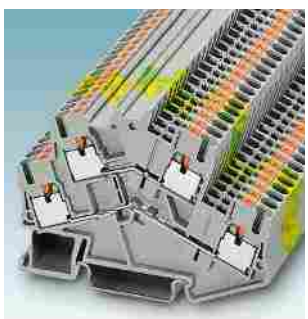
Initiator/actuator terminal blocks
1.5 mm² ... Page 41

Fuse terminal blocks
4 mm² ... Page 101
6 mm² ... Page 112
10 mm² ... Page 121



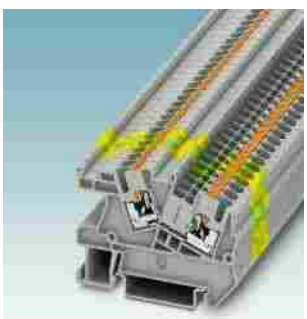
Disconnect and knife disconnect terminal blocks
1.5 mm² ... Page 42
2.5 mm² ... Page 74
4 mm² ... Page 103
6 mm² ... Page 113

Diode terminal blocks
2.5 mm² ... Page 81
4 mm² ... Page 104
6 mm² ... Page 115

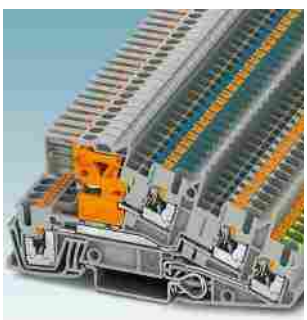


Double-level terminal blocks, desk design
1.5 mm² ... Page 45
2.5 mm² ... Page 85
4 mm² ... Page 107

Feed-through, multi-conductor, and ground terminal blocks
2.5 mm² ... Page 87



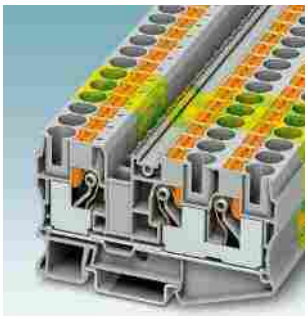
Installation terminal blocks
2.5 mm² ... Page 90
4 mm² ... Page 108
6 mm² ... Page 118
16 mm² ... Page 126



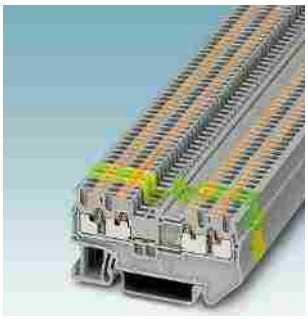
Multi-level installation terminal blocks
2.5 mm² ... Page 91
4 mm² ... Page 109

PTPOWER

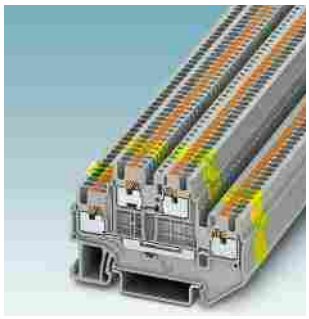
High-current terminal blocks and high-current terminal block bases
35 mm² ... Page 132
50 mm² ... Page 137
95 mm² ... Page 139
185 mm² ... Page 141



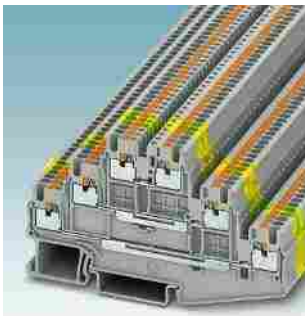
10 mm² ... Page 121
16 mm² ... Page 125



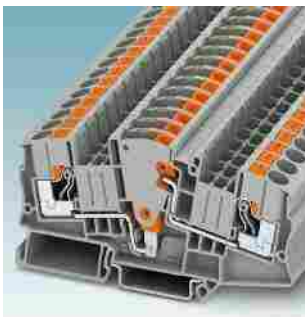
Four-conductor terminal blocks
1.5 mm² ... Page 39
2.5 mm² ... Page 71
4 mm² ... Page 99
6 mm² ... Page 111



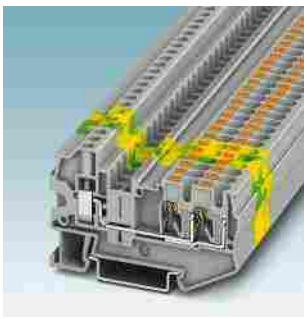
Double-level terminal blocks
1.5 mm² ... Page 39
2.5 mm² ... Page 72
4 mm² ... Page 99



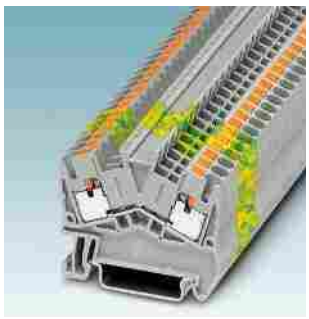
Three-level terminal blocks
1.5 mm² ... Page 40
2.5 mm² ... Page 73
4 mm² ... Page 100



Test disconnect terminal blocks
4 mm² ... Page 105
6 mm² ... Page 116



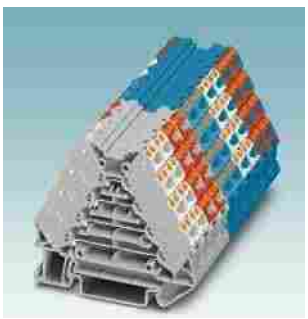
Hybrid terminal blocks with single-sided screw connection
2.5 mm² ... Page 84
4 mm² ... Page 106
6 mm² ... Page 117
35 mm² ... Page 128



Feed-through and ground terminal blocks, desk design
1.5 mm² ... Page 44
2.5 mm² ... Page 84
4 mm² ... Page 107

Three/four-conductor terminal blocks, desk design
1.5 mm² ... Page 44
2.5 mm² ... Page 84
4 mm² ... Page 107

Mini feed-through and ground terminal blocks
1.5 mm² ... Page 45
2.5 mm² ... Page 97



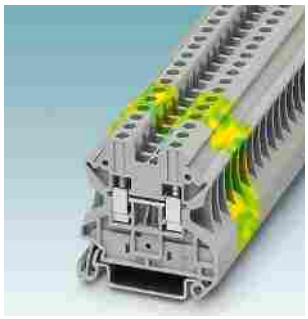
Marshalling terminals
2.5 mm² ... Page 46

Marshalling patchboards
2.5 mm² ... Page 57

Access the right product more quickly from here

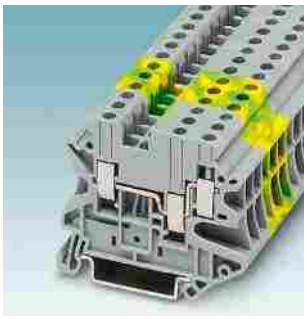
UT screw connection terminal blocks

Page 143



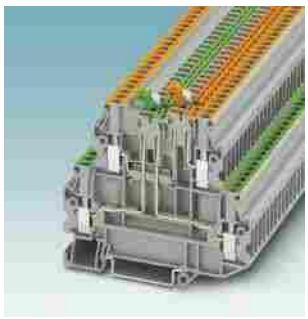
Feed-through and ground terminal blocks
2.5 mm² ... Page 148
4 mm² ... Page 158
6 mm² ... Page 172

10 mm² ... Page 182
16 mm² ... Page 184
35 mm² ... Page 186
50 mm² ... 240 mm² Page 188

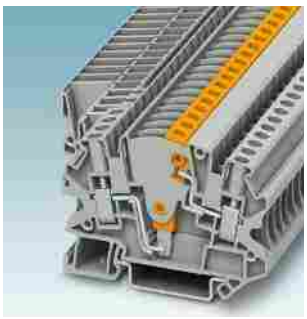


Three-conductor terminal blocks
2.5 mm² ... Page 149
4 mm² ... Page 159

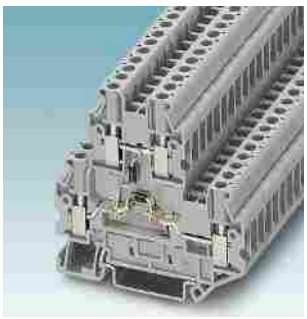
Disconnect terminal blocks
2.5 mm² ... Page 151
4 mm² ... Page 163
6 mm² ... Page 174



Knife disconnect terminal blocks
2.5 mm² ... Page 152
4 mm² ... Page 165
6 mm² ... Page 175



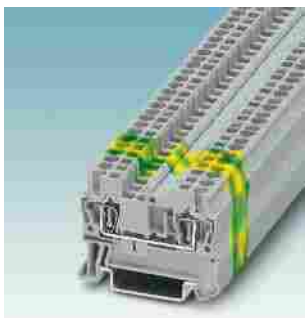
Test disconnect terminal blocks
4 mm² ... Page 169
6 mm² ... Page 176



Diode terminal blocks
2.5 mm² ... Page 153
4 mm² ... Page 168

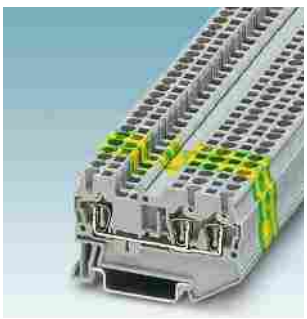
ST spring-cage connection terminal blocks

Page 201



Feed-through and ground terminal blocks
1.5 mm² ... Page 206
2.5 mm² ... Page 210
4 mm² ... Page 228

6 mm² ... Page 236
10 mm² ... Page 242
16 mm² ... Page 246
35 mm² ... Page 248



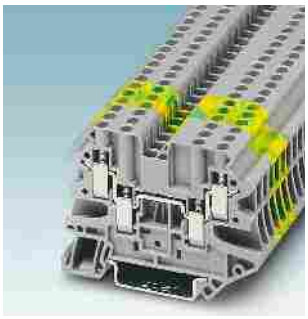
Three-conductor terminal blocks
1.5 mm² ... Page 207
2.5 mm² ... Page 211
4 mm² ... Page 229
6 mm² ... Page 237

Initiator/actuator terminal blocks
2.5 mm² ... Page 214

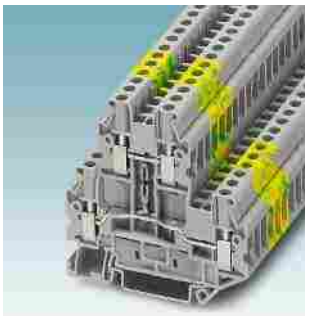
Fuse terminal blocks
4 mm² ... Page 231

Disconnect and knife disconnect terminal blocks
2.5 mm² ... Page 216
4 mm² ... Page 232

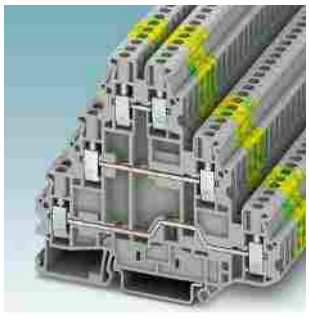
Test disconnect terminal blocks
6 mm² ... Page 237



Four-conductor terminal blocks
2.5 mm² ... Page 149
4 mm² ... Page 159



Double-level terminal blocks
2.5 mm² ... Page 149
4 mm² ... Page 160

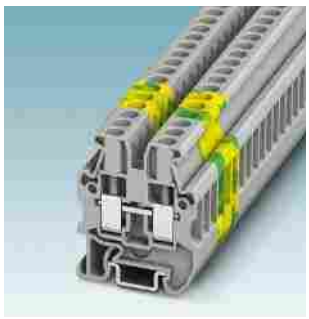


Three-level terminal blocks
2.5 mm² ... Page 150
4 mm² ... Page 160
6 mm² ... Page 173

Fuse terminal blocks
4 mm² ... Page 161
6 mm² ... Page 173

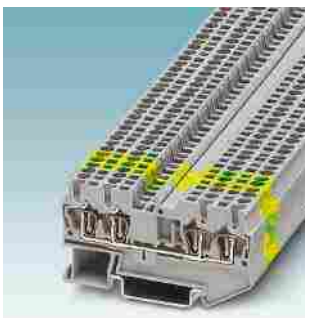
Installation terminal blocks
2.5 mm² ... Page 154
4 mm² ... Page 170
6 mm² ... Page 178
10 mm² ... Page 183

16 mm² ... Page 185
35 mm² ... Page 187



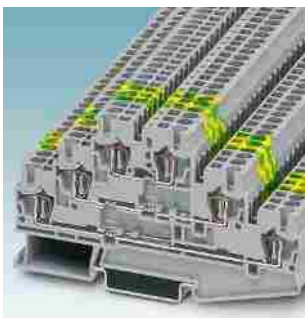
Mini feed-through and ground terminal blocks
2.5 mm² ... Page 157
4 mm² ... Page 171

10 mm² ... Page 243
16 mm² ... Page 247

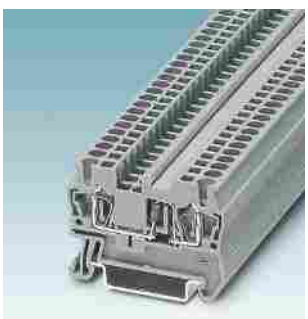


Four-conductor terminal blocks
1.5 mm² ... Page 207
2.5 mm² ... Page 211
4 mm² ... Page 229

Double-level terminal blocks
1.5 mm² ... Page 208
2.5 mm² ... Page 212
4 mm² ... Page 230

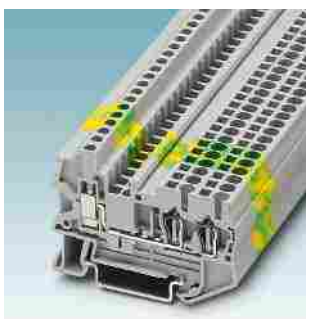


Three-level terminal blocks
2.5 mm² ... Page 213



Diode terminal blocks
2.5 mm² ... Page 218
4 mm² ... Page 232
6 mm² ... Page 239

Double-level diode terminal blocks
2.5 mm² ... Page 219

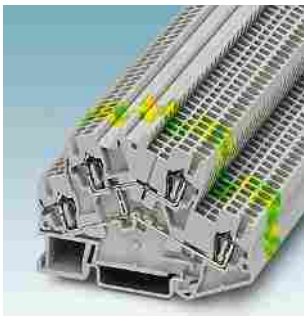


Hybrid terminal blocks with single-sided screw connection
2.5 mm² ... Page 220
4 mm² ... Page 233
10 mm² ... Page 244
35 mm² ... Page 249

Feed-through and ground terminal blocks, desk design
2.5 mm² ... Page 221
4 mm² ... Page 233
6 mm² ... Page 239

Three-conductor terminal blocks, desk design
2.5 mm² ... Page 221
4 mm² ... Page 233
6 mm² ... Page 239

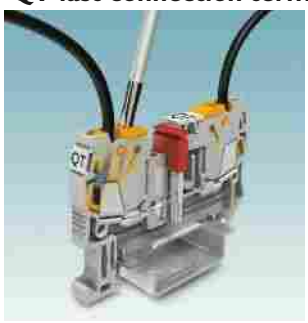
Four-conductor terminal blocks, desk design
2.5 mm² ... Page 221
4 mm² ... Page 234



Double-level terminal blocks, desk design
2.5 mm² ... Page 221
4 mm² ... Page 234

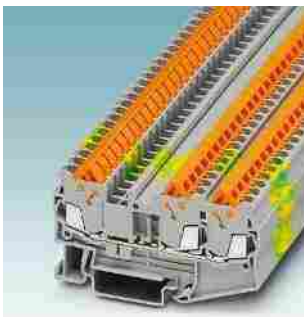
Disconnect and knife disconnect terminal blocks, desk design
2.5 mm² ... Page 222
4 mm² ... Page 235

QT fast connection terminal blocks

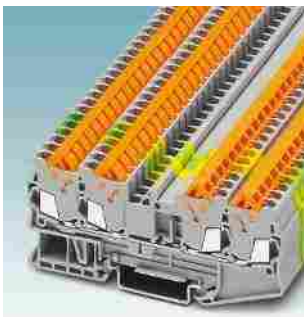


Page 251

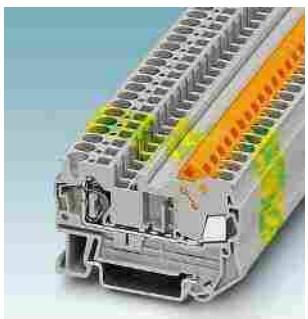
Feed-through and ground terminal blocks
1.5 mm² ... Page 256
2.5 mm² ... Page 262



Three-conductor terminal blocks
1.5 mm² ... Page 257
2.5 mm² ... Page 263



Four-conductor terminal blocks
1.5 mm² ... Page 257
2.5 mm² ... Page 263



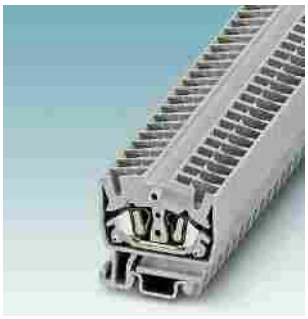
Hybrid terminal blocks with spring-cage connection on one side
1.5 mm² ... Page 261
2.5 mm² ... Page 265

Couplings with Push-in connection – assembled and for self-assembly
1.5 mm² ... Page 282
2.5 mm² ... Page 295
6 mm² ... Page 350

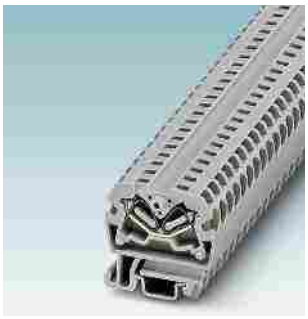
Headers
2.5 mm² ... Page 297
4 mm² ... Page 326

Connectors with Push-in connection – assembled and for self-assembly
1.5 mm² ... Page 284
2.5 mm² ... Page 298
4 mm² ... Page 327
6 mm² ... Page 352

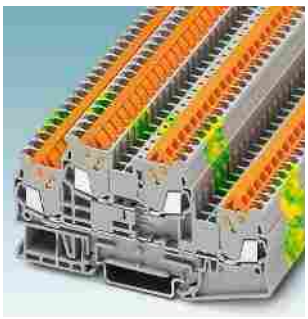
Feed-through, multi-conductor, multi-level, and ground terminal blocks with screw connection
2.5 mm² ... Page 302
4 mm² ... Page 328
6 mm² ... Page 354



Mini feed-through and ground terminal blocks, with vertical conductor exit
2.5 mm² ... Page 222



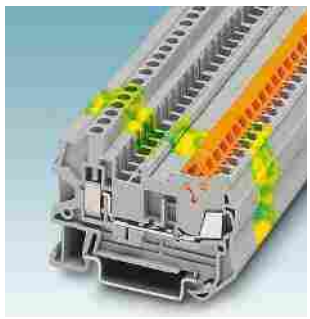
Mini feed-through and ground terminal blocks, with horizontal conductor exit
2.5 mm² ... Page 225



Double-level terminal blocks
1.5 mm² ... Page 258

Fuse terminal blocks
2.5 mm² ... Page 264

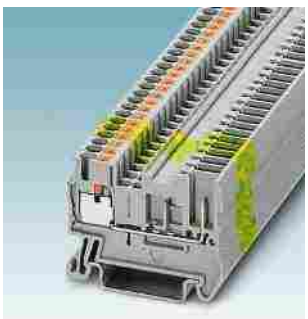
Disconnect and knife disconnect terminal blocks
1.5 mm² ... Page 258



Hybrid terminal blocks with single-sided screw connection
1.5 mm² ... Page 260
2.5 mm² ... Page 264

COMBI plug-in connection solutions

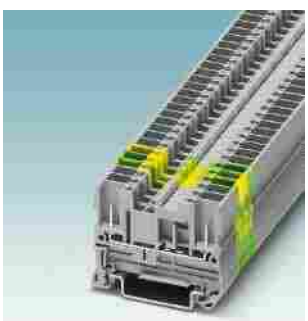
Page 267



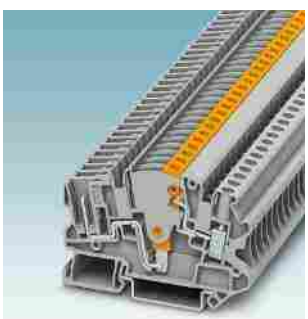
Feed-through, multi-conductor, multi-level, and ground terminal blocks with Push-in connection
1.5 mm² ... Page 276
2.5 mm² ... Page 290
4 mm² ... Page 324
6 mm² ... Page 346

Terminal blocks that can be connected on both sides
1.5 mm² ... Page 278
2.5 mm² ... Page 293
4 mm² ... Page 325

Plug-in measuring transducer disconnect terminal blocks
6 mm² ... Page 347

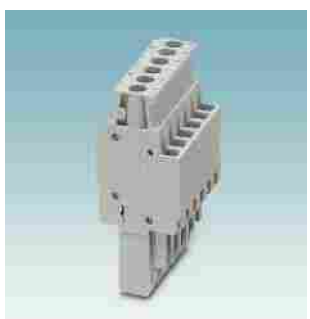


Terminal blocks that can be connected on both sides
2.5 mm² ... Page 304
4 mm² ... Page 330



Test disconnect terminal blocks
4 mm² ... Page 331

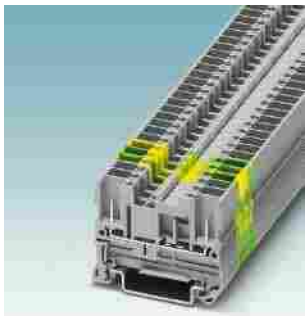
Headers
2.5 mm² ... Page 305
4 mm² ... Page 333



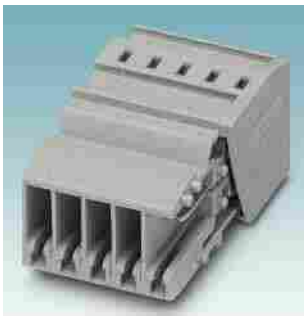
Connectors with screw connection – assembled and for self-assembly
2.5 mm² ... Page 306
4 mm² ... Page 335
6 mm² ... Page 356

Access the right product more quickly from here

Feed-through, multi-conductor, multi-level, and ground terminal blocks with spring-cage connection
2.5 mm² ... Page 308
4 mm² ... Page 338
6 mm² ... Page 354



Terminal blocks that can be connected on both sides
2.5 mm² ... Page 312
4 mm² ... Page 338

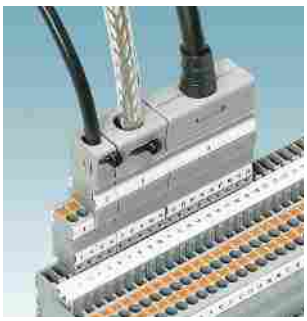


Couplings with spring-cage connection – assembled and for self-assembly
2.5 mm² ... Page 313
4 mm² ... Page 341

Headers
2.5 mm² ... Page 317
4 mm² ... Page 344

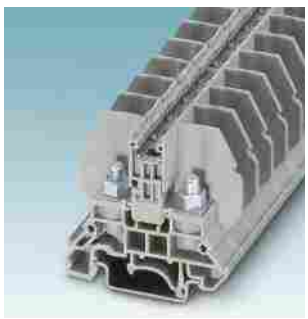
Latching systems
PR ..., UPR ... Page 363

Connector housings
2.5 mm² ... Page 365



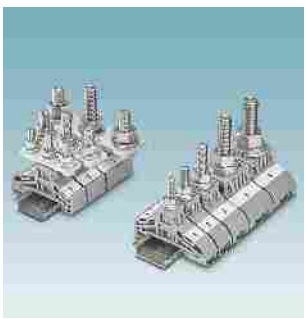
Cable housings for COMBI plugs
PH ... Page 366

Self-locking flange covers
DFS ... Page 371
Screw flange and flange covers
UP ...-F Page 372

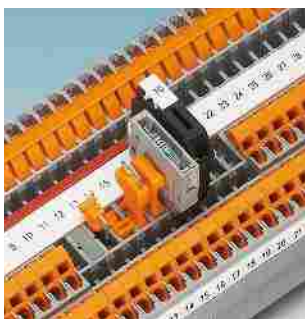


Bolt connection terminal blocks for DIN rail and direct mounting
RBO ... Page 386

Bolt connection terminal blocks with covering hood
RBO ...-HC Page 392



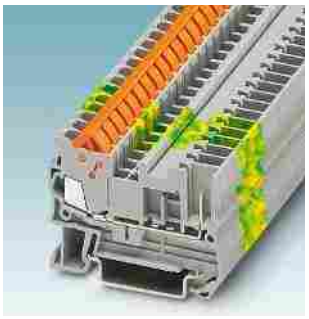
High-current connectors
HV M ... Page 395



Isolating and component plugs
P-... Page 415

Marker carriers/warning labels
STP ... Page 418
For end clamps and DIN rails, see Catalog 3

Connectors with spring-cage connection – assembled and for self-assembly
2.5 mm² ... Page 318
4 mm² ... Page 345
6 mm² ... Page 356



Feed-through, multi-level, and ground terminal blocks with fast connection
1.5 mm² ... Page 286

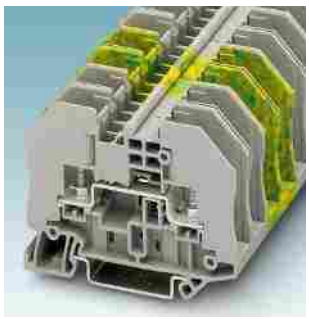
Connectors with fast connection – assembled and for self-assembly
1.5 mm² ... Page 288

Latching and strain relief systems
PR ..., PRZ ... Page 363

RT bolt connection terminal blocks

Page 375

Feed-through and ground terminal blocks
2.5 mm² ... Page 378
6 mm² ... Page 380
35 mm² ... Page 384

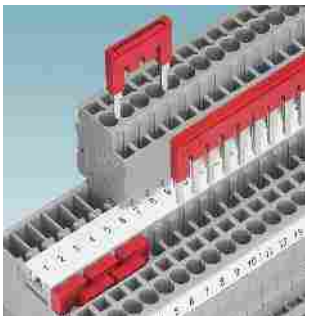


Feed-through terminal blocks, open design
2.5 mm² ... Page 379
6 mm² ... Page 381
35 mm² ... Page 385

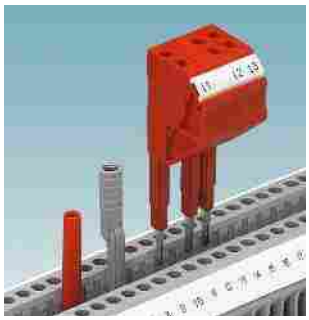
Disconnect terminal blocks
6 mm² ... Page 383

Accessories

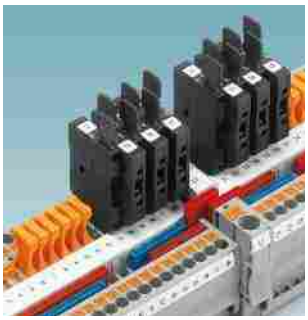
Page 399



Plug-in bridges
FBS ... Page 402
FBSR ... Page 406

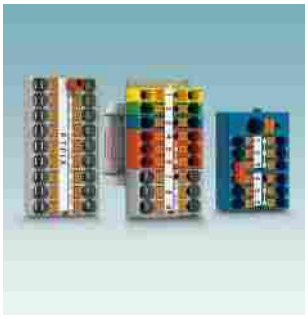


Test accessories
PS ..., MPS ..., PAI ... Page 410



Fuse plugs
P-FU...-5 Page 414

PTFIX distribution blocks

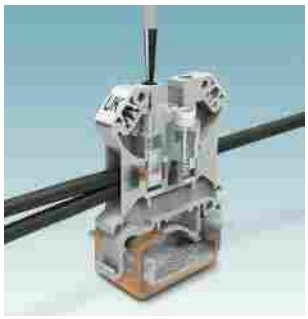


Page 425

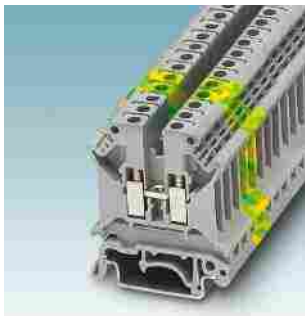
Distribution blocks
1.5 mm² ... Page 428
2.5 mm² ... Page 438
4 mm² ... Page 446

Access the right product more quickly from here

UK universal terminal blocks

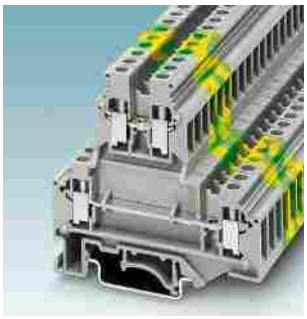


Page 455



Feed-through and ground terminal blocks
UK ..., USLKG ... Page 458

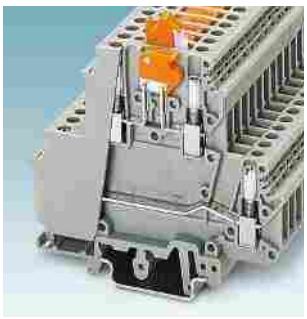
Three and four-conductor terminal blocks
UK ...-TWIN Page 466
UDK ... Page 470



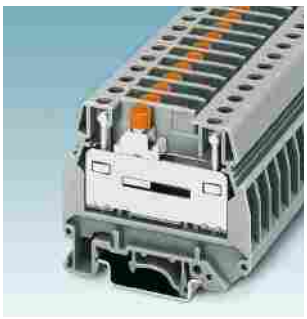
Double-level terminal blocks
UKK ... Page 472

Fuse, isolating, and component plugs
ST-BE, BES 6 Page 508

Knife disconnect terminal blocks
MTK ... Page 512
UK ...MTK Page 513



Double-level knife disconnect terminal blocks
UKK ...MTK Page 514

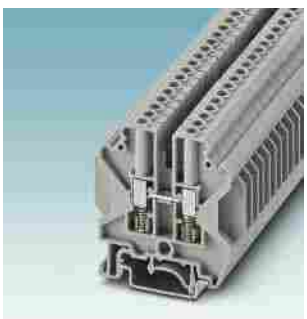


Cross connection terminal blocks
UGSK/S Page 517

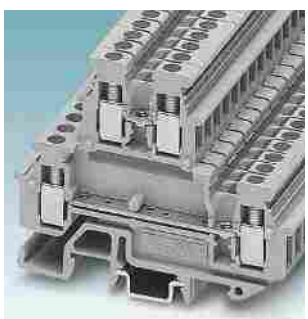
Ground disconnect terminal blocks
GTF 76 Page 533

Terminal blocks with spade connection
UVKB 4-FS/FS ... Page 534

Ceramic terminal blocks
SSK ... Page 540



Spring-assisted screw terminal blocks
USST ... Page 544



Mini double-level terminal blocks
MBKKB ... Page 560

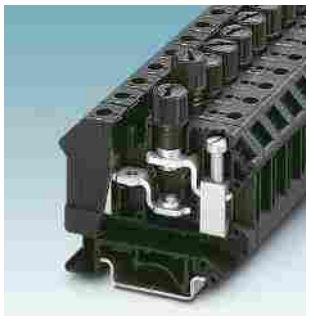
Bolt connection terminal blocks for DIN rail and direct mounting
OTTA ... Page 563

Bolt connection terminal blocks with disconnect function
OTTA 6-T Page 566

Bolt connection terminal blocks for DIN rail and direct mounting
RSC ... Page 569

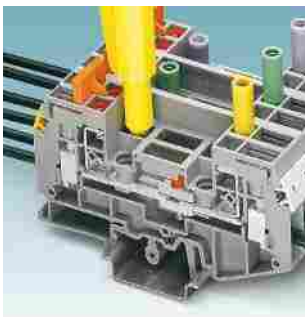
Initiator/actuator terminal blocks
DIK ..., DOK ..., VIOK ... Page 480

Lever-type fuse terminal blocks
UK 5-HESI N Page 490



Screw cap fuse terminal blocks
UK ...-DREHSI Page 496

Basic terminal blocks for isolating and component plugs
UK ...-TG Page 506

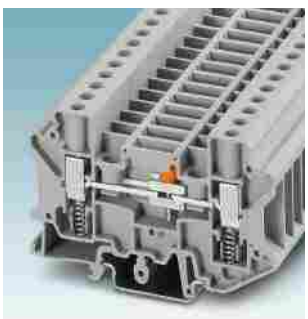


Test disconnect terminal blocks
URTK 6 Page 523

Test disconnect terminal blocks
URTK/SP Page 525

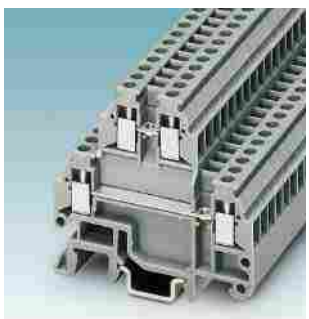
Double-level diode terminal blocks
UKK ...-DIO Page 528

Thermoelectric voltage terminal blocks
MTKD ... Page 532



Spring-assisted test disconnect terminal blocks
USST-T ... Page 548

Micro/mini terminal blocks
MT 1,5 ... Page 552



Micro/mini terminal blocks
MTTB 1,5 ... Page 555

Mini strip terminal blocks
MBK ... Page 558

High-current connectors
UHV ... Page 574

Device terminal blocks
G ..., GE ... Page 576

Trunk line branch terminals
UDB 2X... Page 580

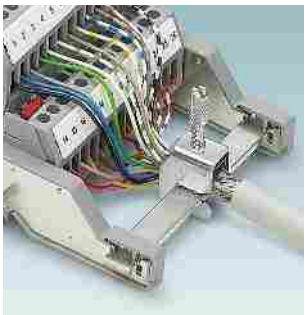
Universal terminal blocks for aluminum conductors
UBAL ... Page 583

Potential distributors
See Catalog 5, page 591

SK shield connection clamps

Shield connection clamps
SK ... Page 594

Shield connection clamps
SKS ... Page 597



Shielded support brackets for neutral busbars
AB-SK ..., AB/SS ... Page 598

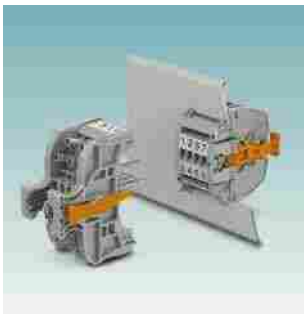
Double support brackets
AB-SK 65-D ... Page 600

Sector-specific solutions

FAME 1 test disconnect system with operating plug and transformer short circuit in the test disconnect socket
Page 610

FAME 2 test disconnect system without operating plug and transformer short circuit in the test plug
Page 618

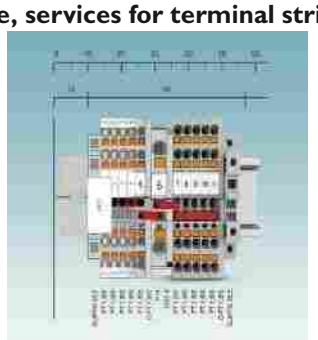
FAME 3 test disconnect system without operating plug and transformer short circuit in the test disconnect socket
Page 632



FAME SL plug-in test system
Page 642

Planning and marking software, services for terminal strips, housings, and markings

Service
Page 663

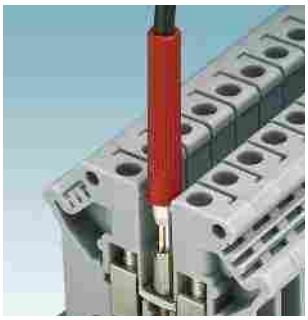


Planning and marking software
PROJECT complete Page 664

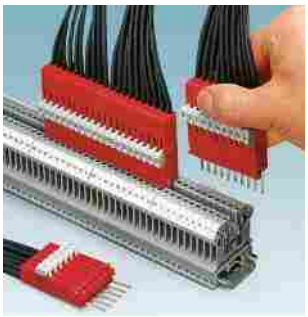
Terminal strip service
Page 668

Junction box and empty enclosure service
Page 670

Accessories



Test plugs for UK series
PS ... Page 586



Test plugs for UK series
MPS ... Page 591
PS-UK ... Page 591

Warning labels
WS ... Page 593

Support brackets for direct mounting
AB ... Page 603

Modular 19" plug-in test system without operating plug and transformer short circuit in the plug-in test socket
Page 646

Marking service Page 672

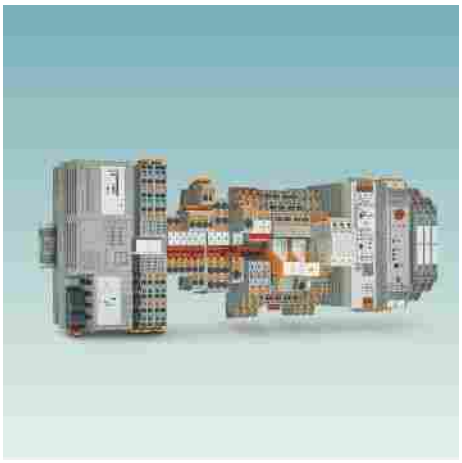
The comprehensive solution for the control cabinet

Easy planning, intuitive installation

COMPLETE line is a system comprising technologically leading and coordinated hardware and software products, consulting services, and system solutions that help you optimize your processes in control cabinet manufacturing. Engineering, purchasing, installation, and operation become significantly easier for you.

Your advantages at a glance:

- Intuitive handling, thanks to the uniform design, look, and function
- Time savings across the entire engineering process, thanks to consistent software support
- Reduced logistics costs with standardized accessories and reduced variety of parts
- Optimized processes in control cabinet manufacturing, thanks to custom services and innovative manufacturing solutions



Comprehensive product portfolio

With COMPLETE line, we offer a complete product portfolio of technologically leading products. These include:

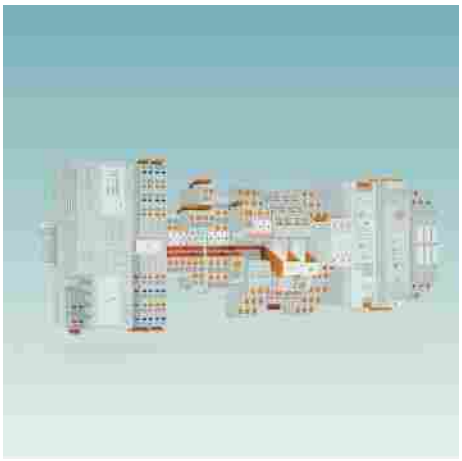
– Controllers and I/O modules
– Power supplies and device circuit breakers
– Terminal blocks and distribution blocks
– Relay modules and motor starters
– Signal conditioners
– Safety technology
– Surge protection
– Heavy-duty connectors

Intuitive handling

Thanks to the simple, intuitive handling of the coordinated hardware components, you will save time during installation, startup, and maintenance. Push-in connection technology enables you to wire applications quickly – without using tools. The broad, technologically leading product portfolio will always provide you with the right product for standard or special applications.

Time savings across the entire engineering process

The PROJECT complete planning and marking software supports the entire control cabinet manufacturing process. The program features an intuitive user interface and enables the individual planning, automatic checking, and direct ordering of terminal strips.



Reduced logistics costs

Reduced variety of parts, thanks to standardized marking, bridging, and testing accessories. The COMPLETE line system coordinates products, design, and accessories enabling you to benefit from maximum reusability, thus reducing your logistics costs.

Optimized processes in control cabinet manufacturing

From engineering through to manufacturing, COMPLETE line supports you in making your control cabinet production as efficient as possible, thus creating a customized concept for optimizing your processes in control cabinet manufacturing.
Our terminal strip production helps you to flexibly manage peak order times or to supply your control cabinet production with fully assembled DIN rails just-in-time.

Additional information

Find out more about COMPLETE line and your comprehensive solutions for the control cabinet. Visit our website:

phoenixcontact.com/completeline

QT
PT
ST
UT

CLIPLINE complete system features

With CLIPLINE complete, the unique terminal block system from Phoenix Contact, the choice of connection technology is yours. The following types of connection are available:

– Simple PT Push-in connection
– Universal UT screw connection
– Compact ST spring-cage connection
– Fast QT QUICKON connection
– COMBI plug-in connection solutions
– Robust RT bolt connection.

Irrespective of which connection technology you choose, they can all be freely combined, with the same accessories, thanks to the double function shaft.

In addition to the flexibility of the terminal block system, CLIPLINE complete also provides added value. The bridging, marking, and test accessories are standardized and can reduce your logistics and storage costs.

The CLIPLINE complete terminal block system has been tested and approved for a wide range of national and international approvals. The maximum level of safety in these standards is achieved by routine testing of the standard CLIPLINE complete terminal blocks in accordance with the ATEX Directive. These terminal blocks can be used in the Ex e area.

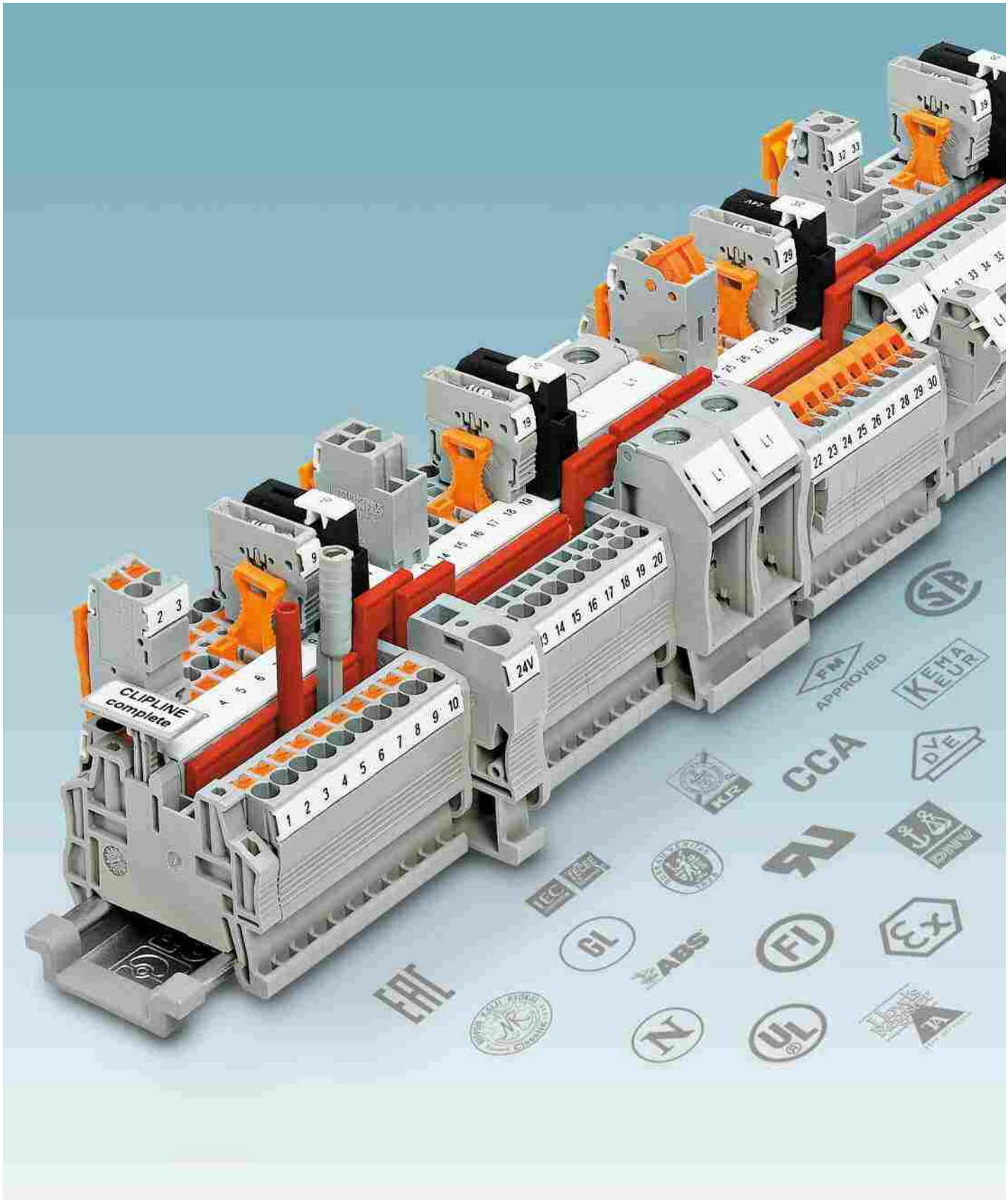
Your web code: #0567

Product range overview

System features **20**

CLIPLINE complete

All connection technologies, one system



General information

The CLIPLINE complete system offers you a uniform range of accessories for all connection technologies. Marking and test accessories are standardized and reduce logistics costs. In addition, all terminal blocks of the CLIPLINE complete system can be freely combined with each other, thanks to the double function shaft. The standardized plug-in zone of the COMBI basic terminal blocks also allows the connection of modules via individually configurable connectors, regardless of the connection technology.

CLIPLINE complete terminal blocks with Push-in, spring-cage, fast connection, screw, plug-in, and bolt connection technology let you react flexibly to the demands of your customers anywhere in the world.

CLIP PROJECT enables you to configure terminal strips quickly, conveniently, and without errors. You benefit from a consistent process chain thanks to perfect interaction with CAE systems.

- The process chain covers data transfer, product selection, the correction function, and complete documentation
- In addition to terminal blocks, you can configure other products, e.g., those used in overcurrent and surge protection, power supply, signal conversion, and automation technology
- You can create markings quickly and easily and you can control all Phoenix Contact printing systems as well as standard printers

Flexible plug-in bridge system

The same plug-in bridge for all connection technologies. To allow fast and individual potential distribution, the terminal blocks in the CLIPLINE complete system have two function shafts. These are arranged in one line over all the terminal blocks, allowing for a combination of connection technologies. The 2- to 50-pos. plug-in bridges make it possible to implement all the tasks of potential bridging within a very short time. Reducing bridges connect, for example, UT screw terminal blocks and ST spring-cage terminal blocks.

The plug-in bridge bars make contact by being securely latched into the function shaft. They create a removable connection between neighboring terminal blocks.

Plug-in connection solutions

The COMBI plug-in system enables the time-saving and modular configuration of your application. As with the terminal blocks, COMBI connectors are available with Push-in, screw, spring-cage, and fast connection technologies.

The rated values of up to 41 A and 1000 V has made a connection system for signal and power wiring possible. The system meets the most stringent of vibration requirements. Both the terminal blocks and the connectors have a touch-proof design.

There is an extensive range of accessories, from the latching to the overall shielding braid.

Multifunctional disconnect zone

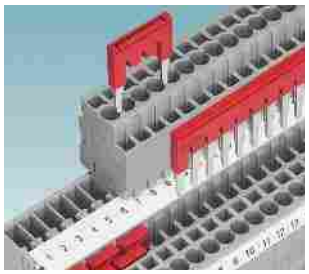
All disconnect terminal blocks in the CLIPLINE complete system have a standardized disconnect zone. Various function plugs are available for use in the disconnect terminal blocks. Isolating plugs are used for simple disconnection. Fuse plugs are designed for the use of cartridge fuse-links. The patented component connector allows you to mount components quickly, without the risk of polarity reversal, and without the need for soldering.

Large-surface marking

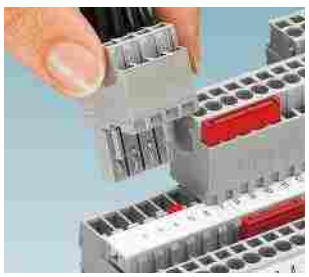
All the terminal points of the terminal blocks in the CLIPLINE complete system have large-surface marking options. This is a precondition for clear wiring and startup, and simplifies assignment during testing and maintenance work. Optional snap-on large marker carriers are available for group and terminal strip markings.

Standardized test system

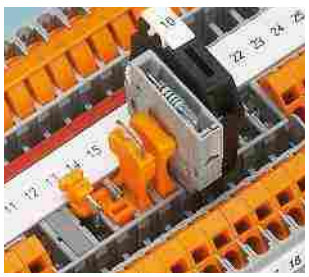
The CLIPLINE complete system includes a comprehensive range of test accessories. All test plug contacts are made in the easily accessed function shaft. For individual measuring lines, a test plug with 2.3 mm diameter is available. More complex testing tasks can be implemented using alignable test plugs. The corresponding spacers can be used to assemble individual test adapters which are perfectly suited for use in test laboratories.



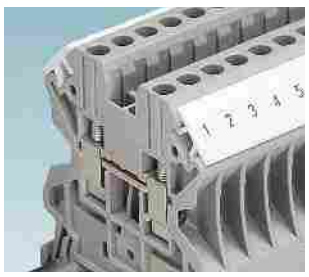
Bridge



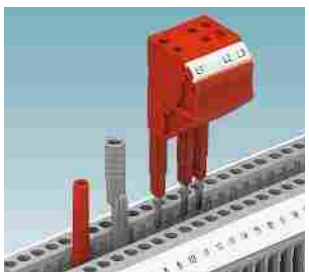
Insert



Disconnect

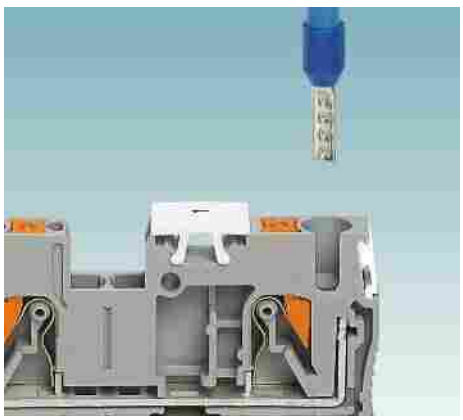


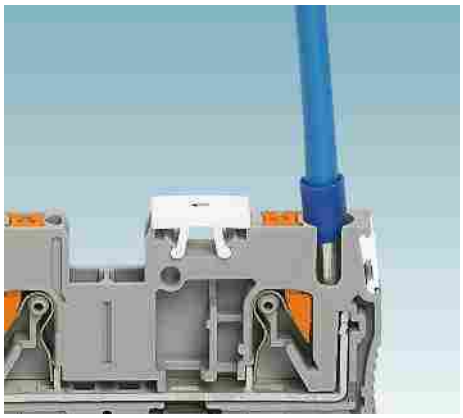
Mark

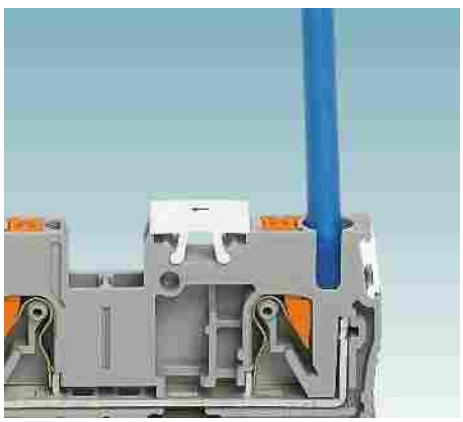


Test

Push-in connection







Material properties

All metal parts of the Push-in connection terminal blocks are made of corrosion-free materials. The conductive metals consist of high-grade copper alloys. A particular advantage is the low temperature rise due to good electrical conductivity. The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating.

The contact force for the Push-in connection is applied by a leg spring of high-strength chromium-nickel spring steel.

The insulating housing of the terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV-resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics. Polyamide 6.6 is used with operating temperatures up to 130°C and is certified for the flammability rating V0 in accordance with UL 94.

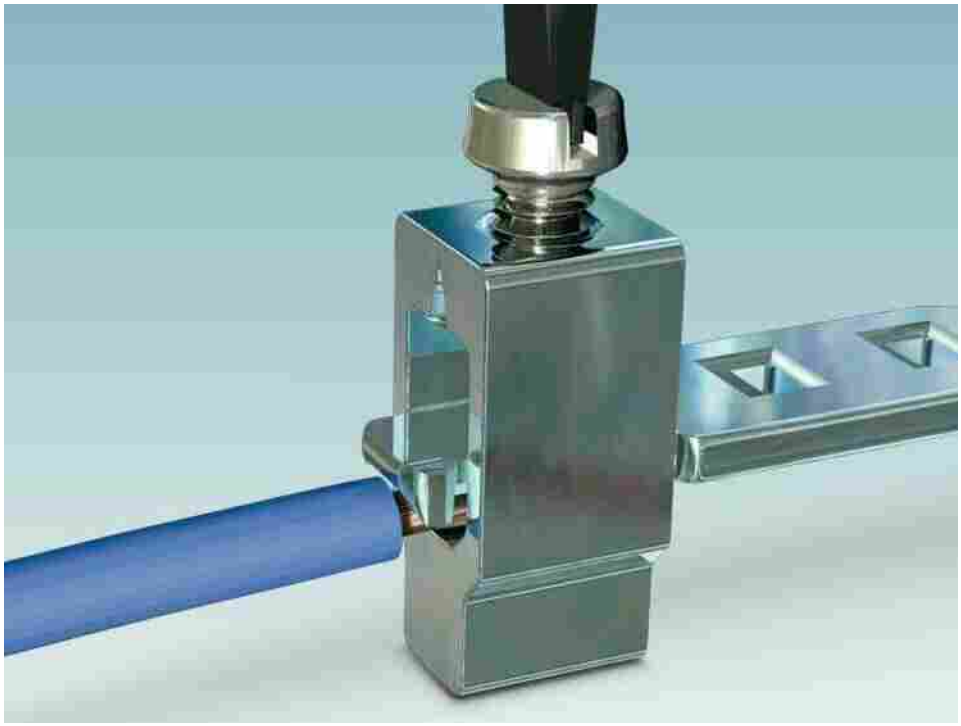
Connection principle

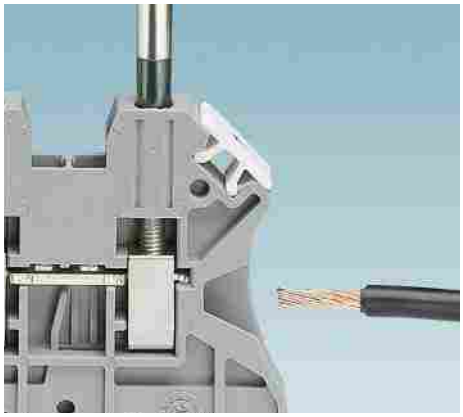
PT Push-in connection terminal blocks have been developed for direct conductor connection. This means that rigid conductors or conductors with ferrules can be inserted directly into the terminal block without tools.

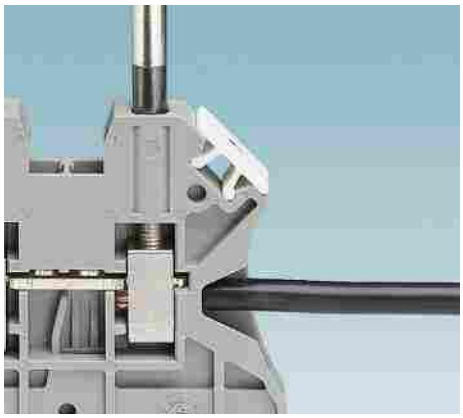
The special spring profile enables the easy insertion of conductors with ferrules from 0.34 mm² and rigid conductors up to 185 mm². The contact spring is opened automatically when the conductor is pushed in. This provides the required pressure force against the current bar. The spring is opened by a push button either to release conductors or connect flexible conductors starting at 0.14 mm² without a ferrule easily and without direct contact with live parts. The button can be operated with all standard screwdrivers.

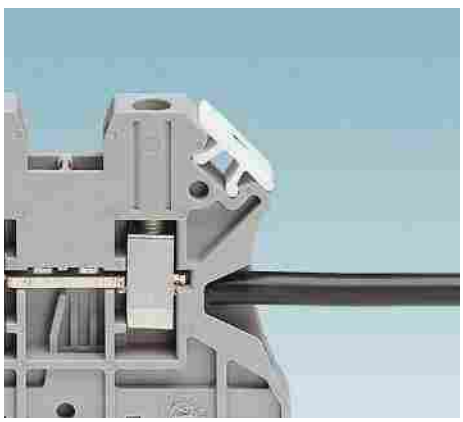
The PT connection technology has been tested and approved for a wide range of approvals. These include, for example, vibration resistance in accordance with railway standard EN 50155 and shock and corrosion resistance in accordance with current shipbuilding registers. The connection technology is also certified for process engineering in areas with increased safety (Ex e).

Screw connection









Material properties

The metal parts of the UT screw connection terminal blocks are made from high-grade, strain-crack-proof, and corrosion-proof copper alloys as a standard feature. This eliminates the possibility of electrolytic corrosion in the presence of moisture and the risk of rusting. The consequences, such as unreliable electrical contacts and/or jammed screws, are also prevented. Another advantage is the low temperature rise due to good electrical conductivity. The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating.

The insulating housing of the UT screw connection terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV-resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics. Polyamide 6.6 is used with operating temperatures up to 130°C and is certified for the flammability rating V0 in accordance with UL 94.

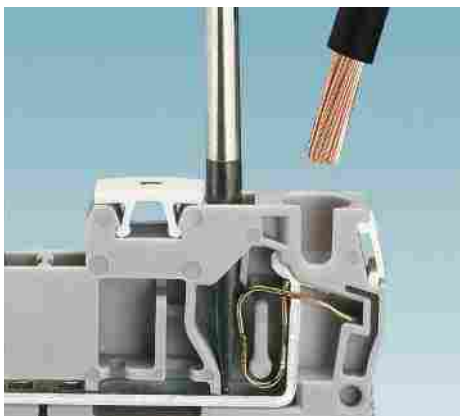
Connection principle

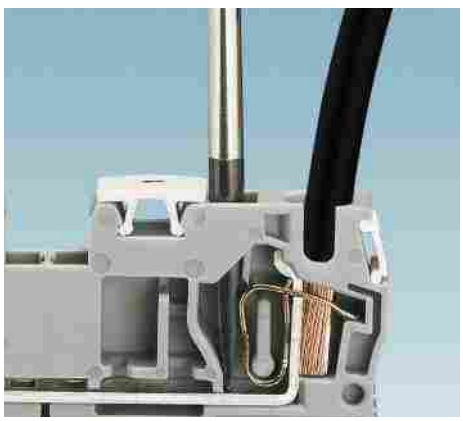
UT screw connection terminal blocks are designed for the most stringent requirements. For more than 80 years, they have proven themselves a billion times over in all applications. An important characteristic is the maintenance-free conductor connection. There is no need to retighten the terminal block screws. The screws are prevented from loosening by the Reakdyn principle, a screw locking technique developed and patented by Phoenix Contact.

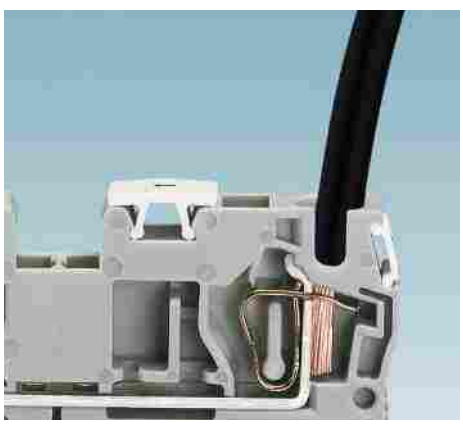
Conductors for Phoenix Contact UT screw connection terminal blocks can be clamped without any pretreatment. Splicing protection can also be implemented in the form of ferrules. A special characteristic of the screw clamping body is the multi-conductor connection, which is often required.

Very large conductor cross sections up to 240 mm² can also be wired gas-tight and with long-term stability thanks to the high contact forces.

Spring-cage connection







Material properties

All metal parts of the spring-cage terminal blocks are made from corrosion-free materials. The conductive metals consist of high-grade copper alloys. A particular advantage is the low temperature rise due to good electrical conductivity. The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating.

The contact force for the spring-cage connection is applied by a spring element made from high-strength chromium-nickel spring steel.

The insulating housing of the spring-cage terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV-resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics. Polyamide 6.6 is used with operating temperatures up to 130°C and is certified for the flammability rating V0 in accordance with UL 94.

Connection principle

ST spring-cage terminal blocks have been developed for universal spring-loaded conductor contacting.

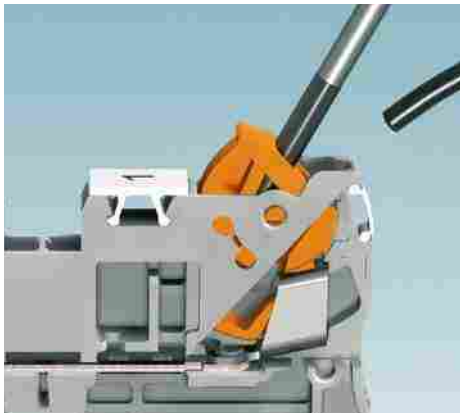
The contact force is independent of the user and creates a vibration-proof, gas-tight connection with long-term stability.

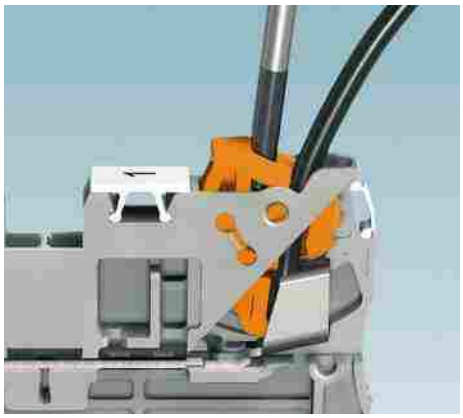
The terminal point is opened with a standard screwdriver. After the conductor has been inserted into the clamping space, the screwdriver is removed and the conductor automatically makes contact. The easy operation is a result of the front connection, i.e., the conductor and screwdriver are inserted in parallel from the same direction.

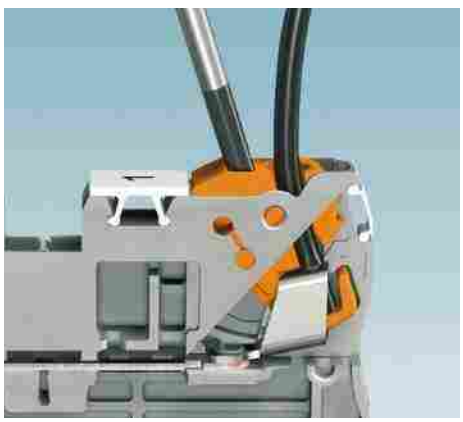
All types of copper wires up to 35 mm^2 can be clamped without any pretreatment. Splicing protection can also be implemented in the form of ferrules.

Spring-cage terminal blocks from Phoenix Contact provide a large amount of space. This makes it possible to wire conductors with ferrules and insulating collars with a nominal cross section.

Fast connection







Material properties

The patented contact metals of the QT fast connection terminal blocks are made from a special, high-grade copper alloy. This combines good electrical conductivity with excellent elastic characteristics.

The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating.

The insulating housings of the fast-connection terminal blocks are made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV-resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics. Polyamide 6.6 is used with operating temperatures up to 130°C and is certified for the flammability rating V0 in accordance with UL 94.

Connection principle

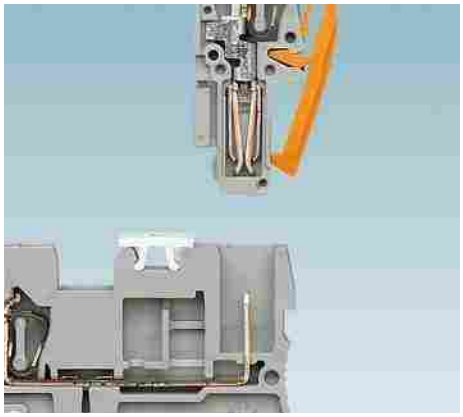
QT QUICKON terminal blocks are designed for fast conductor connection. It is no longer necessary to strip or fit the splicing protection. The cables just need to be cut to length for contact to be made in a matter of seconds.

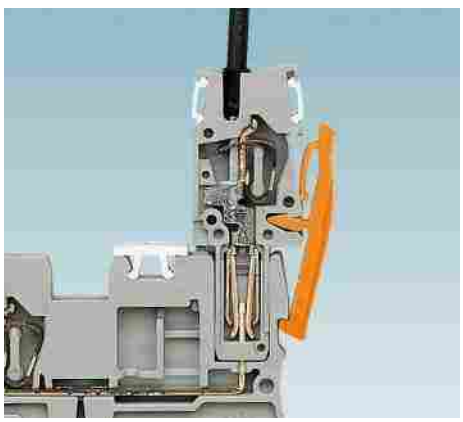
An important characteristic is the space-saving twist connection. Due to the simplicity of the connection, the wiring time is reduced by up to 60 percent. A standard screwdriver is used to operate the terminal blocks and the switching states are clearly signaled by engagement points in the start and end position.

Rigid and flexible conductors from 0.25 to 2.5 mm² can be wired without aids such as guide ferrules. When a conductor is connected, the conductor insulation is cut open, displaced, and the conductor is securely engaged in the end position where it makes a large-area, gas-tight contact.

The high quality of the QUICKON fast connection is verified by the fact that this connection is certified in accordance with the standard for Ex e applications, as are the screw and spring connections.

Plug-in connection





Material properties

All metal parts of the COMBI connectors are made from corrosion-free materials. The separation of the electrical and mechanical functions is a particular advantage. The conductive metals consist of high-grade copper alloys. The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating. The high current carrying capacity of the contact is achieved by an integrated covering spring made of chromium-nickel spring steel.

The insulating housing of the COMBI connectors is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics.

Polyamide 6.6 is used with operating temperatures up to 130°C and is certified for the flammability rating V0 in accordance with UL 94.

Connection principle

COMBI plug-in connections are designed for the most stringent universal demands in terms of plug-in capability. The nominal current of the connected conductor is carried through the plug-in contact.

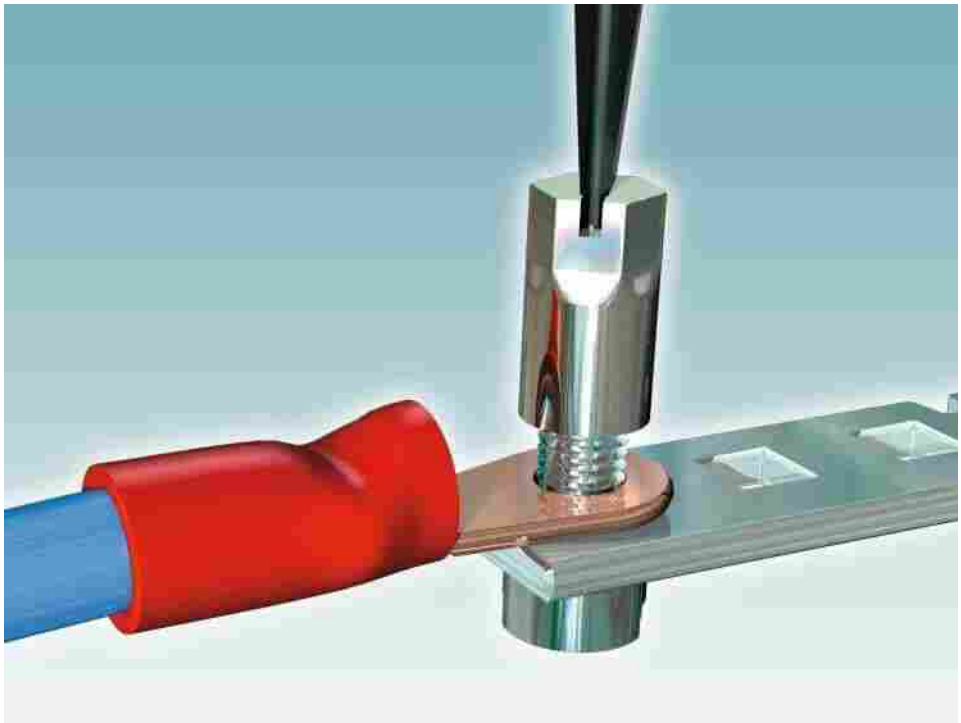
The uniform plug-in zone is an important characteristic. Connectors and basic terminal blocks with four connection technologies can be freely combined with each other, thanks to the uniform plug-in zone.

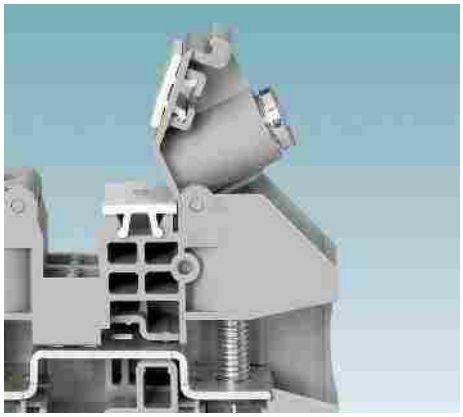
The modular structure also enables individual self-assembly of the plugs and the couplings.

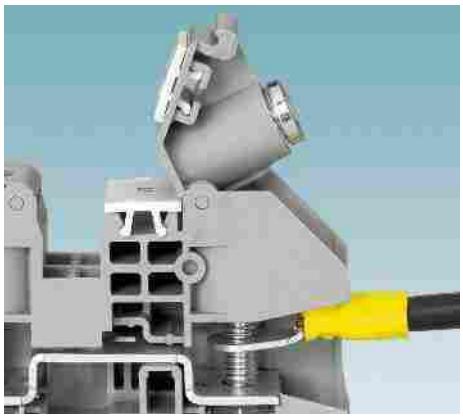
Copper wires of all types can be connected without pretreatment. Splicing protection can also be implemented in the form of ferrules.

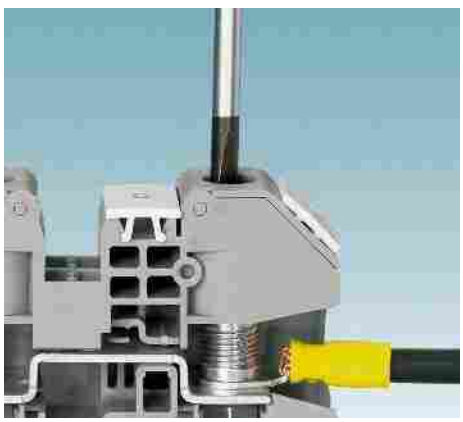
COMBI connectors with any type of connection technology provide a large amount of space. This makes it possible to wire conductors with ferrules and insulating collars with a nominal cross section.

Bolt connection









Material properties

All metal parts of the bolt connection terminal blocks are made from corrosion-free materials. The conductive metals consist of high-grade copper alloys. Due to their good electrical conductivity, they ensure a low temperature rise. The surface of the metal parts is protected by lead-free, galvanic nickel or tin plating.

The insulating housing of the bolt connection terminal blocks is made from recyclable PA 6.6. This elastic plastic with high impact strength is halogen-free and UV resistant. Further characteristics include the good tropical and termite resistance, high chemical resistance, and excellent aging characteristics.

Polyamide 6.6 is used with operating temperatures up to 130°C and is certified for the flammability rating V0 in accordance with UL 94.

Connection principle

RT bolt connection terminal blocks have been developed with a robust design and offer convenient wiring for ring cable lugs.

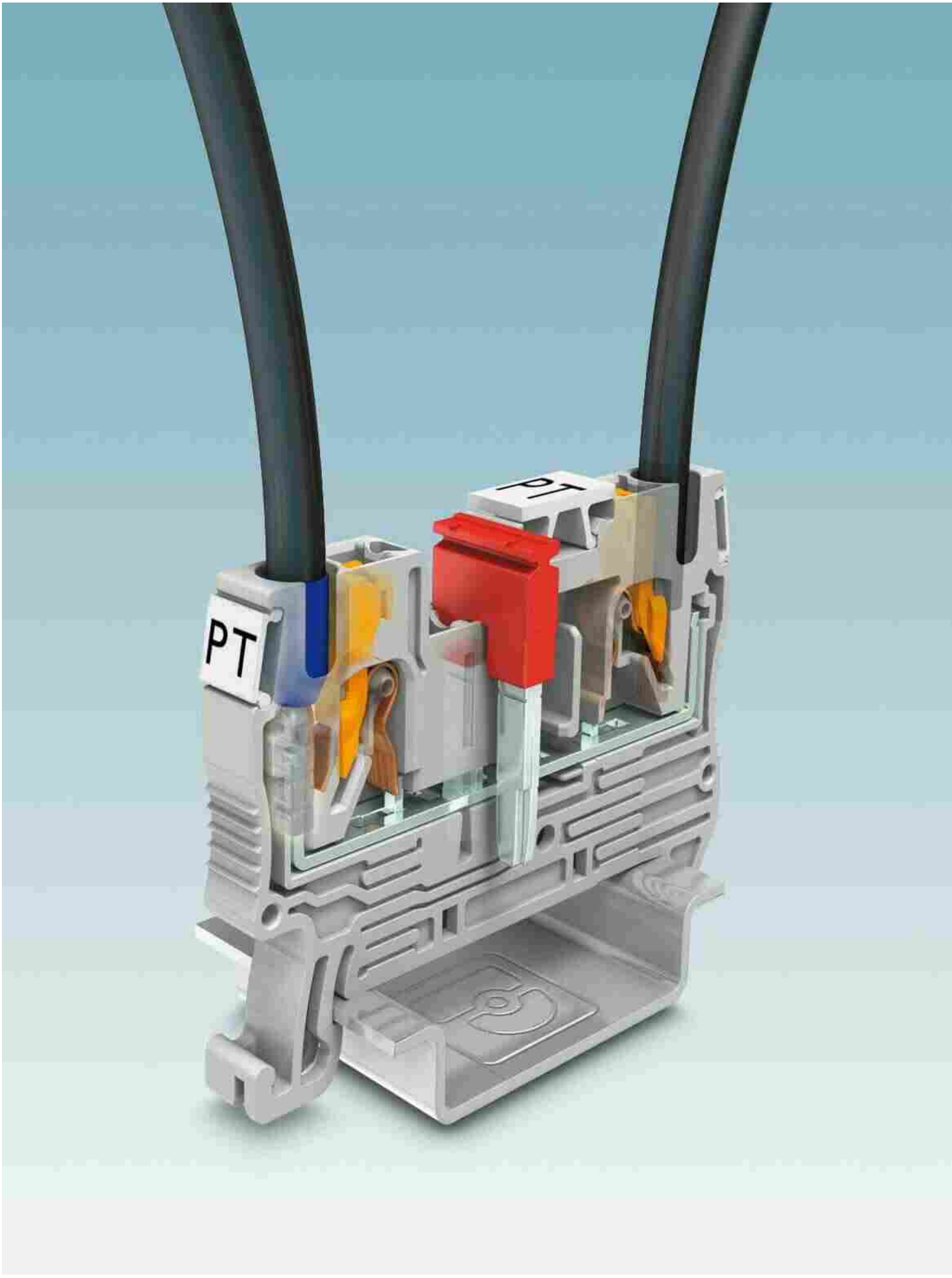
An important characteristic is the hinged cover which can be swiveled open and which features a captive cap nut. This ensures quick and easy ring cable lug wiring.

The integrated screw locking in the form of a spring retainer guarantees reliability, even in applications which are subject to shock and vibration.

All ring cable lugs can be connected in accordance with DIN 46234, DIN 46235 or DIN 46237.

A special characteristic of the bolt connection is the often required multi-conductor connection, on which up to four cable lugs can be connected per bolt.

All types of conductors up to 300 m^2 can be wired securely and with long-term stability.


PT
PT

PT Push-in connection terminal blocks

The PT Push-in connection terminal blocks from the CLIPLINE complete system have been developed for direct conductor connection and offer a wide range of application options. Easy handling and direct, tool-free connection with up to 50 percent lower insertion forces are the key advantages of this terminal technology. When rigid conductors from 0.25 mm² or conductors with ferrules from 0.34 mm² are inserted, the contact spring is automatically opened. This provides the required pressure force against the current bar.

The integrated push button allows you to release conductors or to connect small conductor cross sections from 0.14 mm² with any type of tool easily and without direct contact with live parts.

The PT connection technology has been tested and approved for a range of approvals. These include, for example, vibration resistance in accordance with railway standard EN 50155 and shock and corrosion resistance in accordance with current shipbuilding registers. It is also certified for process engineering in areas with increased safety (Ex e).

Your web code: #1126

Product range overview

1.5 mm²

Feed-through, multi-conductor, multi-level, and ground terminal blocks	39
Initiator/actuator terminal blocks	41
Knife disconnect terminal blocks	42
Desk-design terminal blocks	44
Mini feed-through and ground terminal blocks	45
Marshalling terminals	46
Marshalling patchboards	57

2.5 mm²

Feed-through, multi-conductor, multi-level, and ground terminal blocks	71
Disconnect and knife disconnect terminal blocks	74
Diode terminal blocks	81
Hybrid terminal blocks with screw connection on one side	84
Desk-design terminal blocks	84
Desk-design disconnect and knife disconnect terminal blocks	86
Terminal blocks with conductor connections on the side	88
Installation terminal blocks	90
Mini feed-through and ground terminal blocks	97

4 mm²

Feed-through, multi-conductor, multi-level, and ground terminal blocks	99
Fuse terminal blocks	101
Disconnect and knife disconnect terminal blocks	103
Diode terminal blocks	104
Test disconnect terminal blocks	105
Hybrid terminal blocks with screw connection on one side	106
Desk-design terminal blocks	107
Installation terminal blocks	108

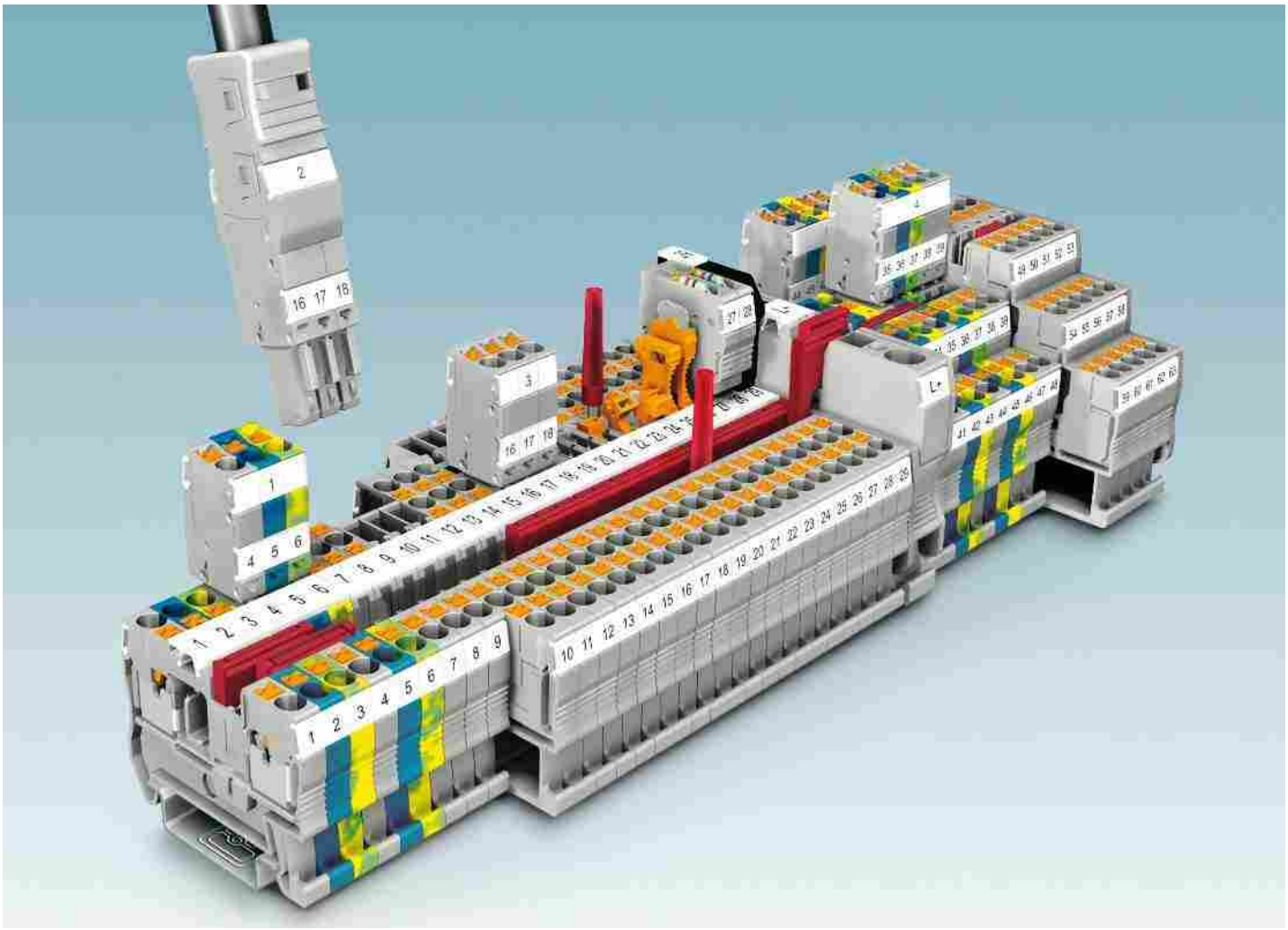
6 mm²

Feed-through, multi-conductor, multi-level, and ground terminal blocks	111
Fuse terminal blocks	112
Disconnect and knife disconnect terminal blocks	113
Diode terminal blocks	115
Test disconnect terminal blocks	116
Hybrid terminal blocks with screw connection on one side	117
Installation terminal blocks	118

10 mm², 16 mm², and 35 mm²

Feed-through, multi-conductor, and ground terminal blocks	121
Fuse terminal blocks	121
Installation terminal blocks	126
Hybrid terminal blocks with screw connection on one side	128

PTPOWER Power-Turn high-current terminal blocks 35 mm² - 185 mm²	132



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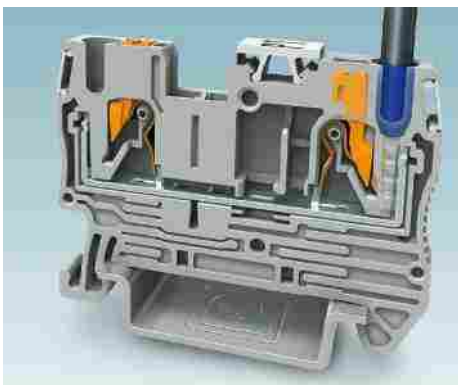
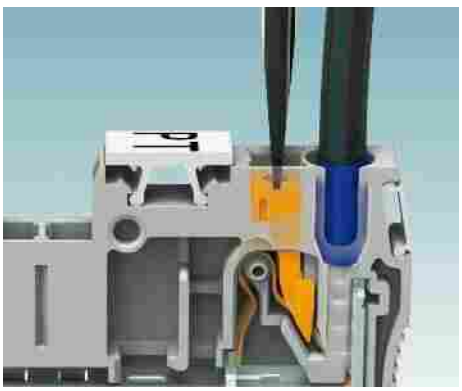


Push-in connection technology

The PT series is characterized by the easy, direct conductor connection and makes consistent use of the benefits of the CLIPLINE complete system.

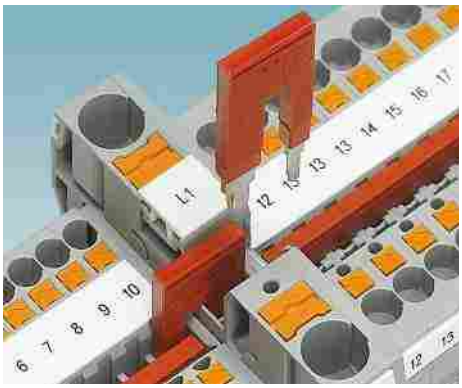
Easy insertion

Up to 50% reduction in insertion forces permits easy and direct insertion of rigid and flexible conductors with ferrules with a cross section of 0.25 mm² or greater. Flexible conductors can be connected without ferrules using the push button.

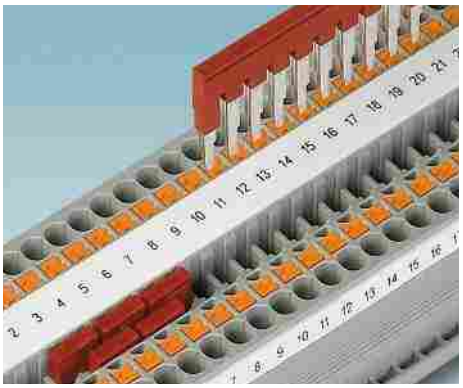


Latch function

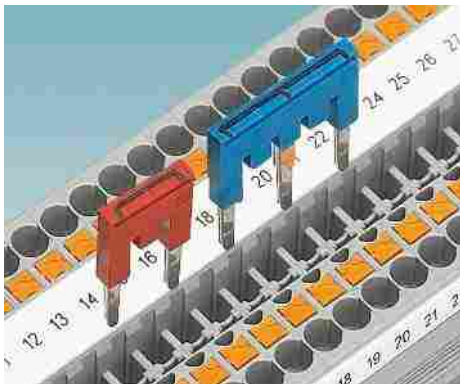
The integrated button allows connected conductors to be released using any type of tool easily and without direct contact with live parts.



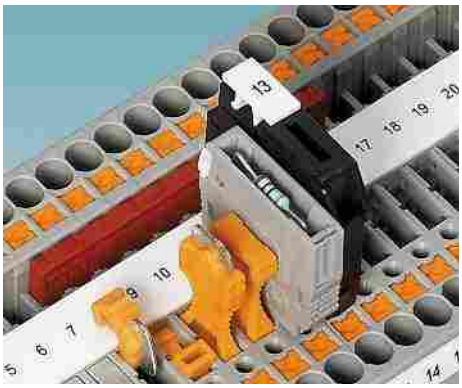
The reducing bridge enables terminal blocks with different nominal cross sections to be connected easily, e.g., a PT 10 Push-in terminal block to a PT 2,5. Power blocks can be created quickly using the reducing bridge.



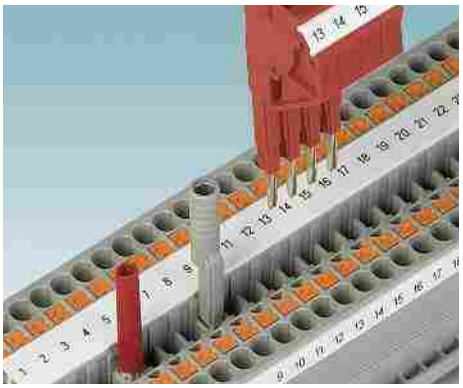
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2- to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



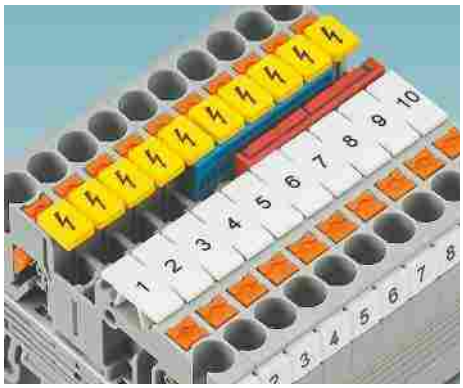
Bridging between non-adjacent terminal blocks is established by removing individual contact tabs from the standard bridge. Two potentials can then be routed in parallel through a terminal strip. The contact points can also be marked.



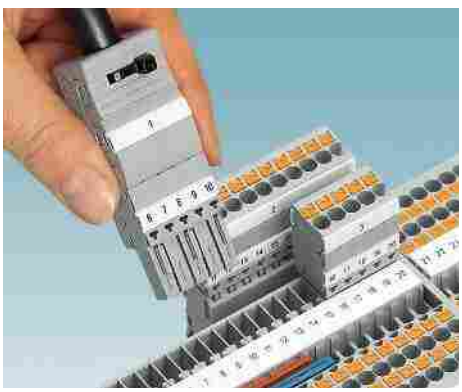
The isolated feed-through connector P-FIX, isolating connector P-DI, component connector P-CO and the cartridge fuse connector P-FU can be used in the universal plug-in zone of the disconnect terminal block.



For measuring lines, a test plug with 2.3 mm diameter is available. All measurement and testing tasks can be carried out quickly using test adapters for 4 mm diameter test plugs and the alignable test plugs.

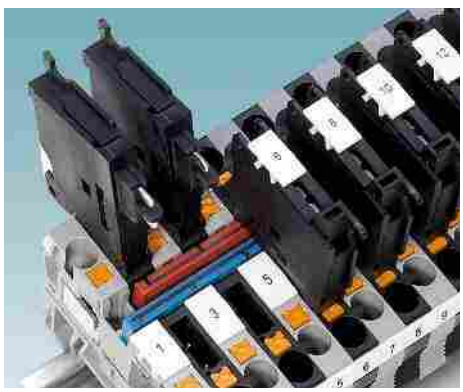


Warning labels are available for the clear marking of mains connections. These are plugged into the 2.3 mm wide test holes on the PT terminal blocks, latch reliably into place, and are also form-fitting.



Push-in COMBI terminal blocks are available for the plug-in configuration of signal wiring. The system is touch-proof and offers plugs for self-assembly with extensive accessories.

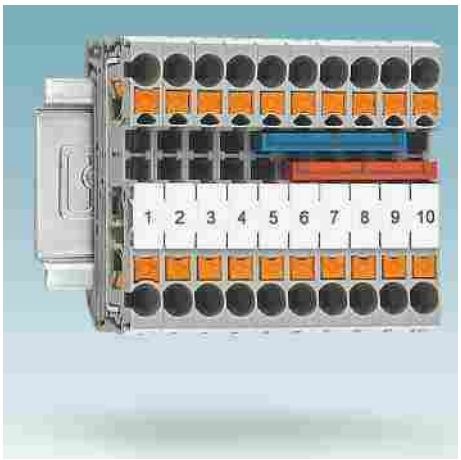
Automotive flat-type fuse terminal blocks with 4 mm² conductor connection are available in the same shape as the feed-through terminal blocks. All terminal blocks can be consistently bridged with one another with the double function shaft.



The compact lever-type fuse terminal blocks are the same shape as the feed-through terminal blocks. They can be consistently marked and bridged. A time-saving potential distribution is easily created using bridging between non-adjacent terminal blocks.

PT Push-in connection terminal blocks

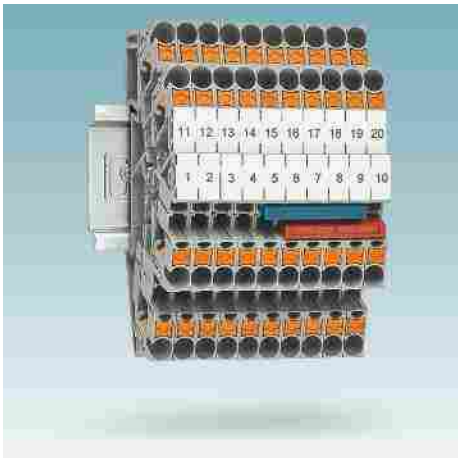
PT ... feed-through and multi-conductor terminal blocks



- Optimum ergonomics for tool-free wiring thanks to the integrated actuation lever
- Easy insertion with pre-assembled conductors from 0.25 mm²
- Clear identification of terminal point and operating area provides optimum protection against wiring errors
- Universal handling using any suitable tool
- Double function shafts for potential distribution
- Individual testing facility for every current path

Your web code: #0068

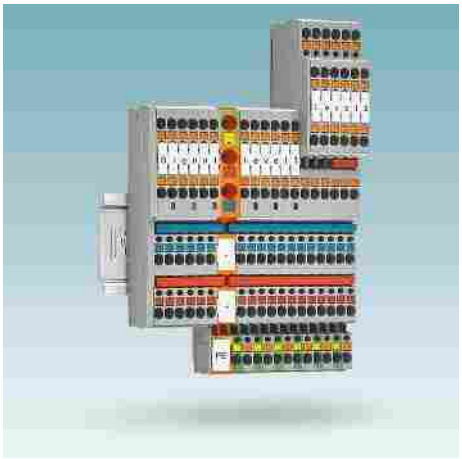
PTTB ... multi-level terminal blocks



- Space-saving with several individual potentials housed in a single terminal housing
- Easy potential distribution, whereby function shafts at each level and individually usable level bridges turn a multi-level terminal block into a potential distributor
- Versions with plug-in COMBI connections guarantee maximum modularity and flexibility
- For motor connections, versions are available with up to three phases and PE in just one housing
- Clear wiring, thanks to marking option on each terminal point

Your web code: #1391

PTIO ... three-conductor initiator/ actuator terminal blocks



- Space-saving wiring of initiators and actuators with an overall width of just 3.5 mm
- Compact design for maximum signal density
- Power terminals enable individual distribution of the positive and negative potential via FBS ... bridges
- Versions with LED display indicate switching states
- Large-surface marking of the wiring levels

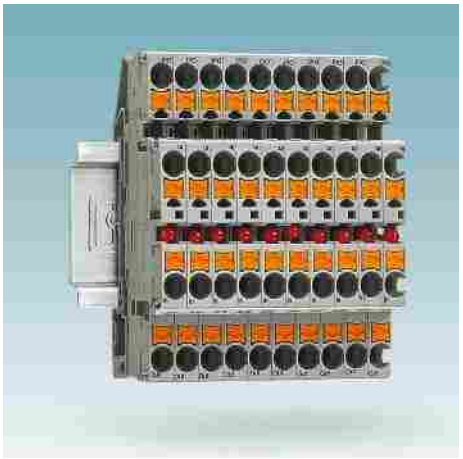
Your web code: #0069

PTME ... test disconnect terminal blocks

- Convenient wiring of current transformer measuring circuits
- Safe longitudinal and perpendicular disconnection of the current paths
- The switch units are latched in the respective limit positions
- Unintentional switching is prevented by means of optional switching locks
- Up to six function shafts integrated per terminal block for potential distribution and testing

Your web code: #0071

PTTB ...BE component terminal blocks



- Component terminal blocks can be used for complex switching tasks in all applications
- Individual and convenient integration of components such as diodes, resistors, LEDs, and fuses into circuits
- Huge product variety with selectable prefabricated or retrofittable versions
- Maximum flexibility and modularity with solder-free, self-assembled, and pre-assembled component connectors for basic terminal blocks with disconnect function
- Maximum safety requirements are taken into consideration. Printed circuit diagrams and symbols reduce the risk of faulty wiring considerably

Your web code: #1392

PT ... and PTT ... knife disconnect terminal blocks

- Convenient disconnection of measuring and closed-loop control circuits by means of a disconnect knife
- Disconnect knife reliably snapped into the limit positions
- Flexible testing facilities on both sides of the disconnect point
- Optional snap-in switching lock effectively prevents unintentional switching
- Universal disconnect zone for also accommodating isolating plugs, feed-through connectors, component connectors, and fuse plugs

Your web code: #0070

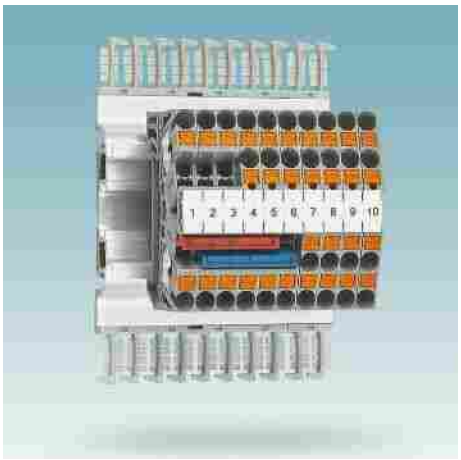
PT Push-in connection terminal blocks

PTU ... hybrid terminal blocks

- PT mixed connection with screw connection technology on one side
- Quick and easy Push-in connection for the internal control cabinet wiring
- Universal screw connection for external wiring by the end user
- Consistent double bridging possible and compatible with all standard terminal blocks
- Internal TWIN connection for compact potential distribution

Your web code: #0068

Feed-through and multi-conductor terminal blocks in PTS ..., PTS ...-TWIN desk design



- Angled design enables minimized bending radii for better conductor routing
- Designed for use on wiring frames instead of typical channel wiring
- Compact design from 3.5 mm horizontal pitch
- Two, three, and four-conductor terminal blocks with the same contour

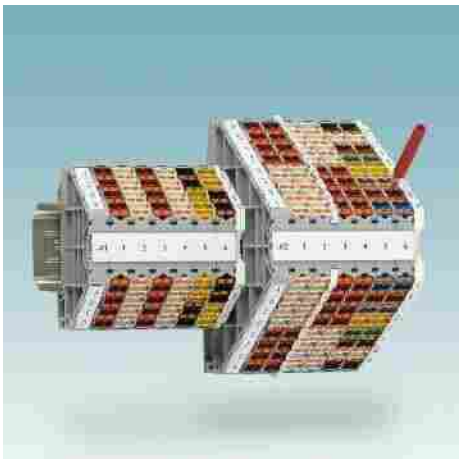
Your web code: #0072

PT ...-HESI fuse terminal blocks

- Easy-access fuse-links are easy to replace
- Easy potential distribution thanks to comprehensive function shafts
- Convenient fuse testing thanks to test points on both sides
- Quick identification of faulty fuses, thanks to LED status indicator
- Versions for use in the Ex area with Ex-nA type of protection

Your web code: #1393

PTRV ... marshalling terminals



- Marshalling terminals with a space-saving design
- Signal wiring on four or eight levels
- Color coding in up to 11 colors for clear identification of the wiring levels
- Patented double connection for reliable contacting
- Testing facility on every double connection

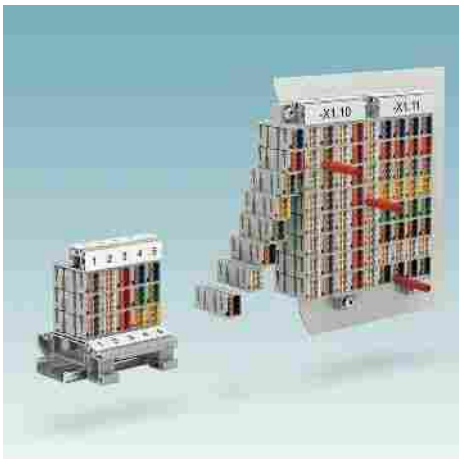
Your web code: #0160

PTRVB ... potential distributors

- Space-saving potential distribution with up to 32 connections
- Potential distribution blocks can be individually adapted with plug-in bridges for assembly
- Versions with 6 mm² supply option and 32 A
- Versions are available in blue and red for clear assignment
- Large-surface marking options

Your web code: #0160

PTMC ... marshalling patchboards

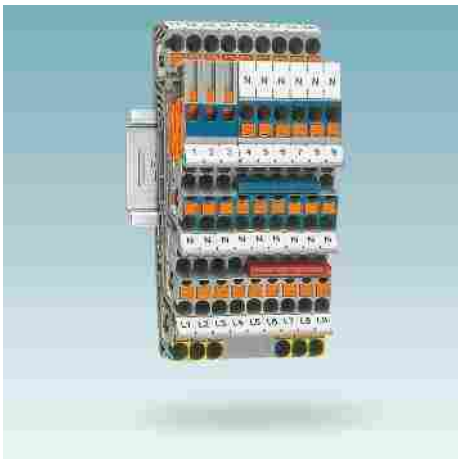


- Modular marshalling patchboards with stackable concept
- Front and rear wiring
- Individual color coding of the terminal points
- Easy and clear wiring, thanks to Push-in connection technology
- Convenient testing facility and marking option for the terminal points
- Various mounting methods on different carrier systems

Your web code: #0161

PT Push-in connection terminal blocks

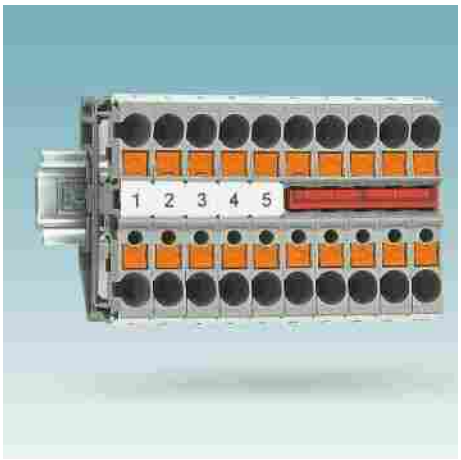
PTI ... installation terminal blocks



- Compact distribution board terminal blocks for single/three-phase applications
- Double function shafts for fast potential distribution on every level
- Fast and reliable neutral conductor disconnection with snap-lock mechanism in the limit positions
- Can be mounted and removed flexibly as a group without having to remove the busbar
- Large-surface marking and testing facility for every terminal point

Your web code: #0073

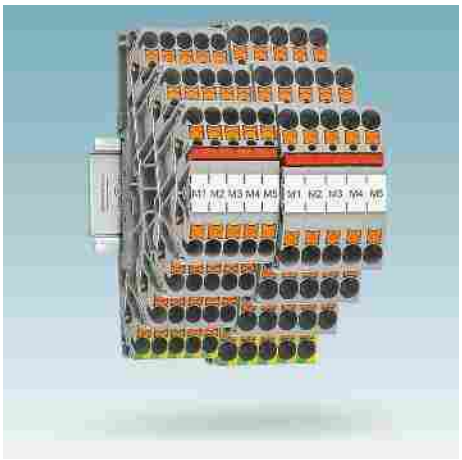
MPT ... miniature terminal blocks



- Miniature terminal block for 15 mm DIN rail systems
- Extremely compact design for use in small control boxes
- Testing facility for every current path
- Can be bridged with the patented FBS ... bridge system
- Protective conductor terminal blocks of the same shape
- Plug-in version with COMBI plug-in connection on one side, e.g., for quick wiring of pre-assembled cables
- Powerful contact up to 24 A

Your web code: #0074

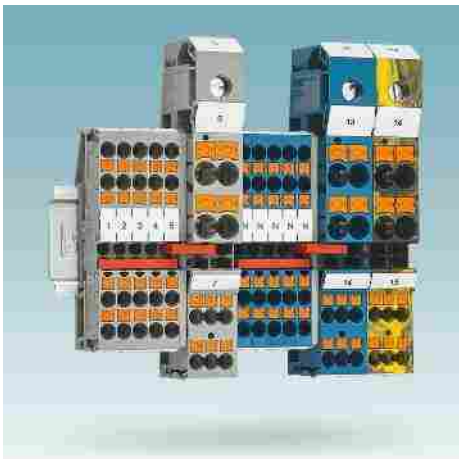
Motor terminal blocks



- Compact four-level terminal blocks for wiring three-phase loads
- Three phases and protective conductor connection in a single terminal block
- Bridging facility on each level for potential distribution or star-delta applications
- Testing facility on each level
- Large-surface marking for every terminal point
- Powerful contact up to 32 A

Your web code: #0159

Hybrid potential collection terminal blocks with PTU ... Push-in and screw connection



- Simple potential collection or distribution
- Compact, space-saving design
- Can be bridged with standard plug-in bridges
- Easy to test with 2.3 mm standard test connection
- Large-surface marking options

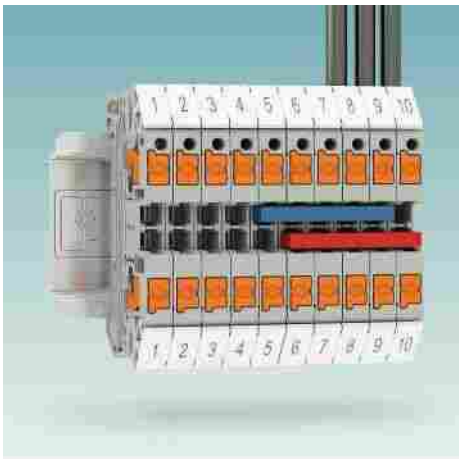
Your web code: #1394

PTPOWER Power-Turn high-current terminal blocks

- High-current spring terminal blocks with patented Power-Turn connection
- Quick and easy wiring of conductor cross sections up to 185 mm²
- Alternative direct plug-in of the conductor, e.g., in confined mounting positions
- Easy potential distribution by means of insertion bridges that can be locked
- Tap-off terminal blocks that can be snapped on from both sides enable voltage tap-off of up to 4 x 16 mm² per terminal block
- Installation on 35 mm DIN rail or as flange solution for direct mounting

Your web code: #0158

PTV ... feed-through, TWIN, QUATTRO, and knife disconnect terminal blocks



- Clear wiring without bend radii, thanks to the conductors being inserted from the side
- Easily identifiable connection markings on the side of the terminal
- Wire markings easy to attach and read off, thanks to the conductors being inserted from the side
- The conductor connection does not require any additional space above the terminal
- The connection principle and conductor insertion are self-explanatory, thanks to the Push-in connection technology in combination with the wiring direction of the screw terminal blocks
- The spring connection does not require any subsequent testing of the terminal point
- Use of standard accessories from the CLIPLINE complete system

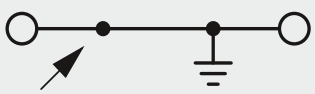
1.5 mm² PT Push-in connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	1.5			
Cross section range	AWG	26 - 14			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
Connection cross sections directly plug-in	[mm²]	0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



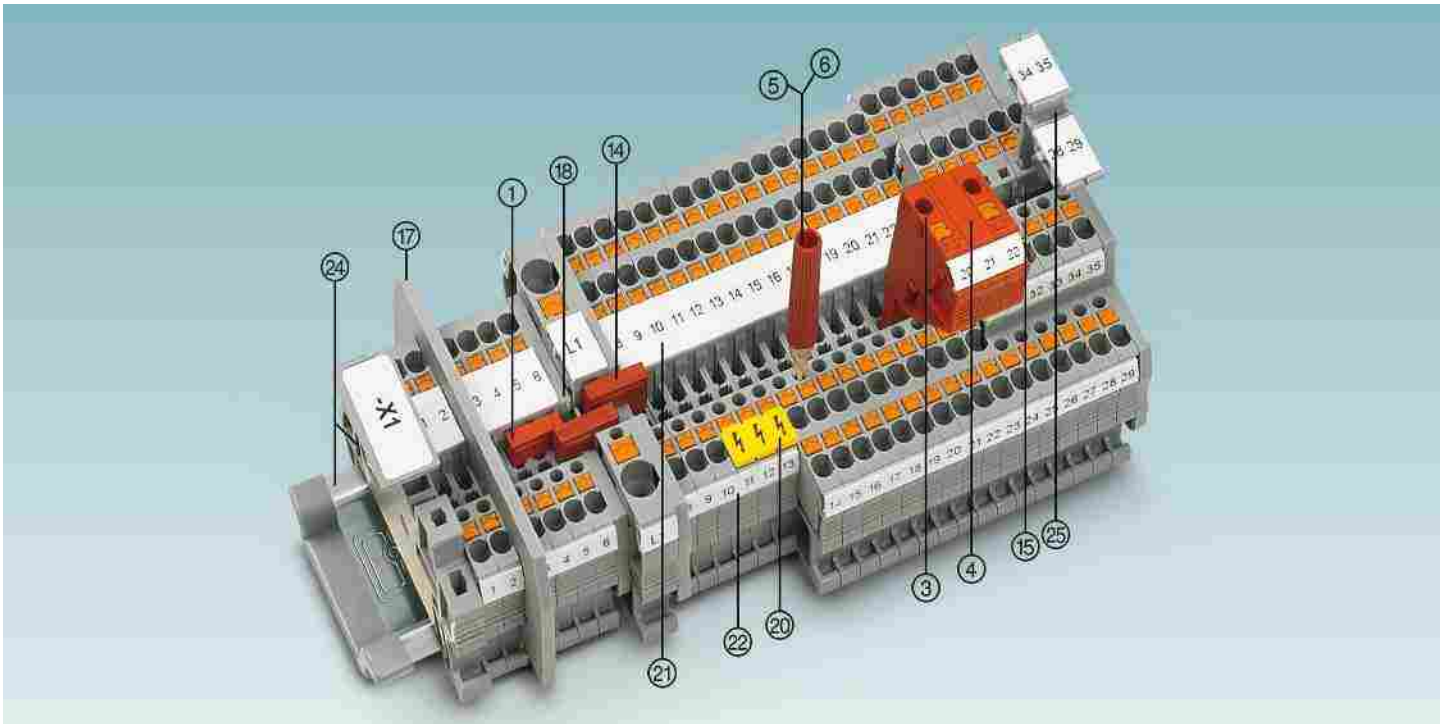
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-3,5**	3213014	50			
	3	red	**FBS 3-3,5**	3213027	50			
	4	red	**FBS 4-3,5**	3213030	50			
	5	red	**FBS 5-3,5**	3213043	50			
	10	red	**FBS 10-3,5**	3213056	50			
	20	red	**FBS 20-3,5**	3213069	50			
③ **Modular test plug**		red	**PS-3,5**	3031010	10			
Spacer plate		red	**DP PS-3,5**	3031011	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Screwdriver			**SZF 0-0,4X2,5**	1204504	10			

Reducing bridge	**For RB ..., see page 408.**
Vertical potential bridge	**For FBS 1,5/S-PV ..., see page 404.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Center groove labeling	**UCT-TM 3,5 or ZB 3,5. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UCT-TMF 3,5 or ZBF 3,5. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
Marker carrier	**For STP ..., see page 418.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

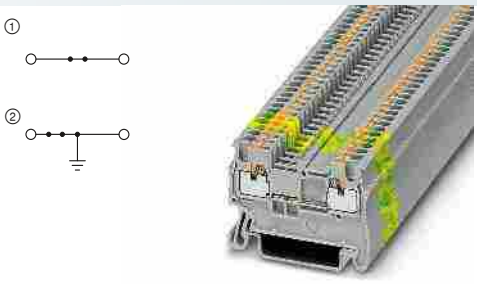
Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 38.

For 1 mm² conductors with ferrule and plastic sleeve, using the AI-S 1-8 TQ ferrule is recommended, Order No. 1200293.

For information on installation and using accessories for Ex applications, see page 678.



17.5 A, feed-through terminal block

Ex: EAC Ex
SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

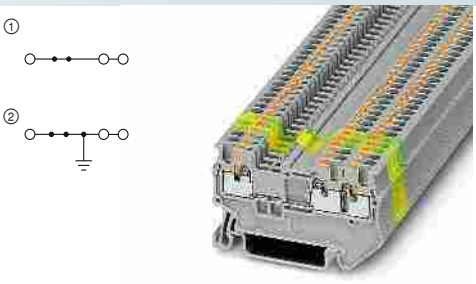
Dimensions		Width	Length	Height	
	[mm]	**3.5**	**45**	**32 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**500**	**0.14 - 1.5**	**26-14**
Maximum bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	352
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	15 / 1.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 1,5/S**	①	3208100	50
	blue	**PT 1,5/S BU**	①	3208126	50
Ground terminal	green-yellow	**PT 1,5/S-PE**	②	3208139	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PT 1,5/S**	3208142	50
Cover, 0.8 mm width	orange	**D-PT 1,5/S-0,8 OG**	1029569	50



17.5 A, feed-through terminal block, 3 connections

Ex: EAC Ex
SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**3.5**	**54**	**32 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**500**	**0.14 - 1.5**	**26-14**
Maximum bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	352
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	15 / 1.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 1,5/S-TWIN**	①	3208155	50
	blue	**PT 1,5/S-TWIN BU**	①	3208168	50
Ground terminal	green-yellow	**PT 1,5/S-TWIN-PE**	②	3208171	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PT 1,5/S-TWIN**	3208184	50
Cover, 0.8 mm width	orange	**D-PT 1,5/S-TWIN-0,8 OG**	1029571	50

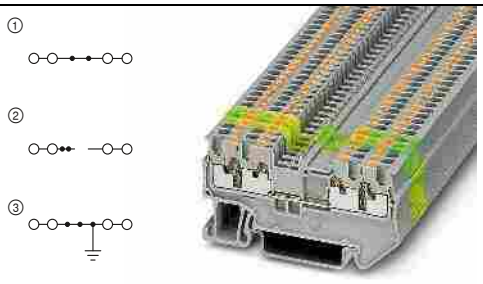
Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 38.

For 1 mm² conductors with ferrule and plastic sleeve, using the AI-S 1-8 TQ ferrule is recommended, Order No. 1200293.

For information on installation and using accessories for Ex applications, see page 678.



17.5 A, feed-through terminal block, 4 connections

Ex: EAC Ex
SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

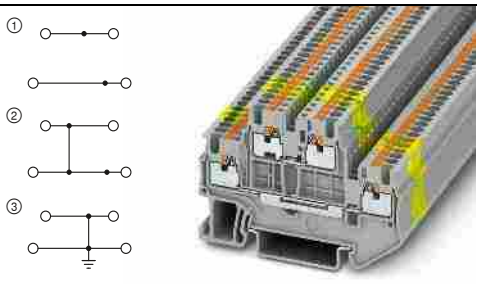
Dimensions		Width	Length	Height	
	[mm]	**3.5**	**63.2**	**32 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**500**	**0.14 - 1.5**	**26-14**
Maximum bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	352
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	15 / 1.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 1,5/S-QUATTRO**	①	3208197	50
	blue	**PT 1,5/S-QUATTRO BU**	①	3208208	50
with interrupted current bar	gray	**PT 1,5/S-QUATTRO-U**	②	3208359	50
with potential distribution	gray				
Ground terminal	green-yellow	**PT 1,5/S-QUATTRO-PE**	③	3208333	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PT 1,5/S-QUATTRO**	3208375	50
Cover, 0.8 mm width	orange	**D-PT 1,5/S-TWIN-0,8 OG**	1029571	50



16 A, double-level terminal block, 4 connections

Ex: EAC Ex
SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**3.5**	**65.4**	**42.6 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**500**	**0.14 - 1.5**	**26-14**
Maximum bridge current	[A]	16			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	352
Nominal current / cross section	[A] / [mm²]	16 / 1.5	15 / -	15 / -	14.5 / 1.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
		PTTB 1,5/S	①	3208511	50
		PTTB 1,5/S BU	①	3208524	50
		PTTB 1,5/S-PV	②	3208540	50
		PTTB 1,5/S-PE	③	3208537	50

Accessories[1])

D-PTTB 1,5/S	3208579	50
D-PTTB 1,5/S-0,8 OG	1029589	50

1.5 mm² PT Push-in connection terminal blocks

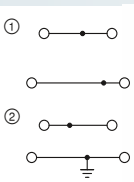
Multi-level terminal blocks

Notes:

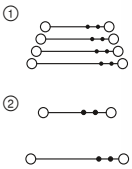
[1]) For additional accessories and technical data, see page 38.

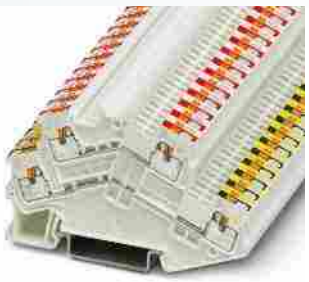
For 1 mm² conductors with ferrule and plastic sleeve, using the AI-S 1-8 TQ ferrule is recommended, Order No. 1200293.

For information on installation and using accessories for Ex applications, see page 678.



16 A, double-level terminal block, 4 connections





16 A, double-level terminal block, 4 connections, for KNX bus wiring

Ex:
SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	3.5	65.4	42.6 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**500**	**0.14 - 1.5**	**26-14**
Maximum bridge current	[A]	16			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	16 / 1.5	15 / -	15 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTTB 1,5/S-L/N**	①	3208544	50
	gray	**PTTB 1,5/S-PE/L**	②	3208553	50
upper level blue	gray	**PTTB 1,5/S-PE/N**	②	3208566	50
Terminal block	white				
	white				
	white				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTTB 1,5/S**	3208579	50
Cover, 0.8 mm width	orange	**D-PTTB 1,5/S-0,8 OG**	1029589	50

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	7	78.8	48.2 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**500**	**0.14 - 1.5**	**-**
Maximum bridge current	[A]	16			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	-	-	352
Nominal current / cross section	[A] / [mm²]	16 / 1.5	- / -	- / -	13.5 / 1.5

Ordering data

Type		Order No.	Pcs./Pkt.
PTTBS 1,5/S-KNX	①	3214663	50
PTTBS 1,5/S WH/U-BK/O-RD	②	3214662	50
PTTBS 1,5/S WH/U-YE/O-WH	②	3214661	50

Accessories[1])

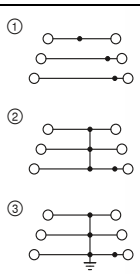
D-PTTBS 1,5/S-KNX	3214664	10
D-PTTBS 1,5/S-0,8 OG	1029588	50

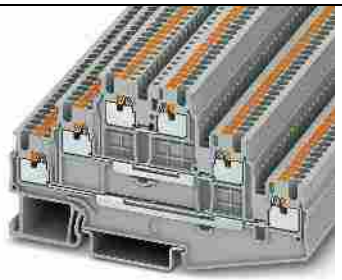
Multi-level terminal blocks

Notes:

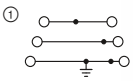
[1]) For additional accessories and technical data, see page 38.

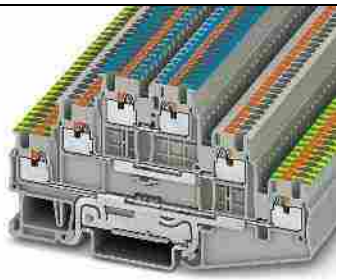
For 1 mm² conductors with ferrule and plastic sleeve, using the AI-S 1-8 TQ ferrule is recommended, Order No. 1200293.





15 A, multi-level terminal block, 6 connections





15 A, multi-level terminal block with PE foot

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	3.5	97.2	53.2 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		15	**500**	**0.14 - 1.5**	**26-14**
Maximum bridge current	[A]	15			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	15 / 1.5	15 / -	15 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 1,5/S-3L**	①	3213713	50
	blue	**PT 1,5/S-3L BU**	①	3213726	50
upper level blue	gray				
	gray				
with potential distribution	gray	**PT 1,5/S-3PV**	②	3213742	50
Ground terminal	green-yellow	**PT 1,5/S-3PE**	③	3213739	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PT 1,5/S-3L**	3113771	50
Cover, 0.8 mm width	orange	**D-PT 1,5/S-3L-0,8 OG**	1029590	50

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	3.5	97.2	53.2 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		15	**500**	**0.14 - 1.5**	**26-14**
Maximum bridge current	[A]	15			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	15 / 1.5	15 / -	15 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PT 1,5/S-PE/L/N	①	3213755	50
PT 1,5/S-PE/L/L	①	3213768	50

Accessories[1])

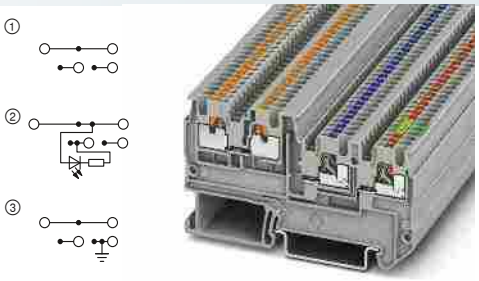
D-PT 1,5/S-3L	3113771	50
D-PT 1,5/S-3L-0,8 OG	1029590	50

Initiator/actuator terminal blocks

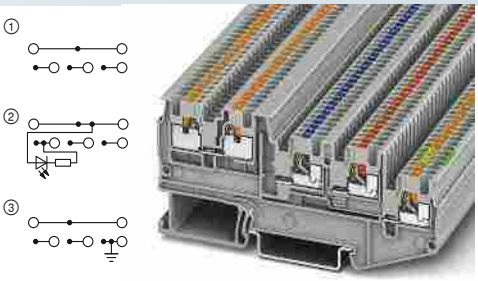
Notes:

[1]) For additional accessories and technical data, see page 38.

For 1 mm² conductors with ferrule and plastic sleeve, using the AI-S 1-8 TQ ferrule is recommended, Order No. 1200293.



13.5 A, three-conductor initiator terminal block



13.5 A, four-conductor actuator terminal block

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	3.5	74.4	41.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		13.5	250	0.14 - 1.5	26-14
Maximum bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm²]	13.5 / 1.5	15 / -	15 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTIO 1,5/S/3**	①	3244410	50
Red LED, 15 - 30 V DC, 0.31 - 0.95 mA, LED between upper and middle level	gray	**PTIO 1,5/S/3-LED 24 RD**	②	3244423	50
Green LED, 15 - 30 V DC, 0.31 - 0.95 mA, LED between upper and middle level	gray	**PTIO 1,5/S/3-LED 24 GN**	②	3244436	50
Terminal block, with PE connection	gray	**PTIO 1,5/S/3-PE**	③	3244449	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTIO 1,5/S/3**	3244575	50

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	3.5	90.8	41.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		13.5	250	0.14 - 1.5	26-14
Maximum bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm²]	13.5 / 1.5	15 / -	15 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PTIO 1,5/S/4	①	3244452	50
PTIO 1,5/S/4-LED 24 RD	②	3244517	50
PTIO 1,5/S/4-LED 24 GN	②	3244520	50
PTIO 1,5/S/4-PE	③	3244465	50

Accessories[1])

D-PTIO 1,5/S/4	3244588	50

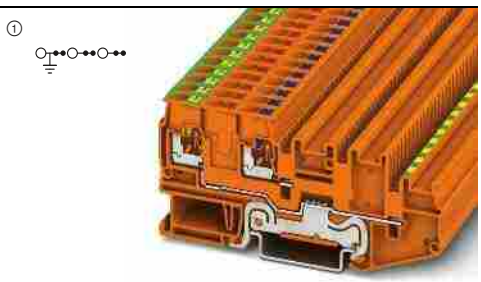
Power terminals

Notes:

[1]) For additional accessories and technical data, see page 38.

[2]) In the case of central power feed.

2.5 (4) mm², 20 A, power terminal block



2.5 (4) mm², 20 A, feed-in terminal with PE connection

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	7	74.4	41.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20[2])	250	0.2 - 4	24-12
Maximum bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	16 / -	16 / -	- / -
Rated cross section	[mm²]	2.5			
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.2 - 2.5	0.2 - 2.5
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5
Connection cross sections directly plug-in	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Power terminal block	orange	**PTIO-IN 2,5/3 OG**	①	3244559	50
Power terminal block, with PE connection	orange				
Cover, width: 2.2 mm	gray	**D-PTIO 1,5/S/3**		3244575	50

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	7	90.8	41.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20[2])	250	0.2 - 4	24-12
Maximum bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	-	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	- / -	16 / -	- / -
Rated cross section	[mm²]	2.5			
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.2 - 2.5	0.2 - 2.5
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5
Connection cross sections directly plug-in	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5

Ordering data

Type		Order No.	Pcs./Pkt.
PTIO-IN 2,5/4-PE OG	①	3244481	50
D-PTIO 1,5/S/4		3244588	50

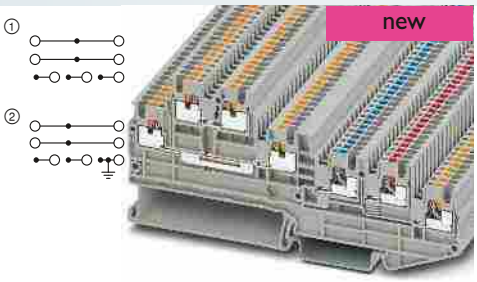
1.5 mm² PT Push-in connection terminal blocks

Initiator/actuator terminal blocks

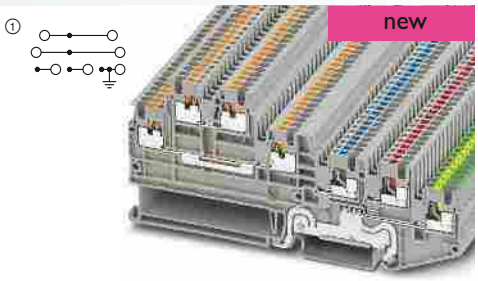
Notes:

[1]) For additional accessories and technical data, see page 38.

For 1 mm² conductors with ferrule and plastic sleeve, using the AI-S 1-8 TQ ferrule is recommended, Order No. 1200293.



13.5 A, five-conductor actuator terminal block



13.5 A, five-conductor actuator terminal block, with PE foot

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	3.5	121.65	52.1 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		13.5	250	0.14 - 1.5	26-14
Maximum bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	500	600	-
Nominal current / cross section	[A] / [mm²]	13.5 / 1.5	15 / -	15 / -	- / -

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	3.5	121.65	52.1 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		13.5	250	0.14 - 1.5	26-14
Maximum bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	500	600	-
Nominal current / cross section	[A] / [mm²]	13.5 / 1.5	15 / -	15 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTIO 1,5/S/5**	①	3244470	50
	gray	**PTIO 1,5/S/5/U-BK/O-WH**	②	3244472	50
Terminal block, with PE connection	gray				
	gray				

Ordering data

Type		Order No.	Pcs./Pkt.
PTIO 1,5/S/5-PE	①	3244473	50
PTIO 1,5/S/5-PE/U-BK/O-WH	①	3244471	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTIO 1,5/S/5**	3244589	50
End cover segment	gray	**DS-PTIO 1,5/S**	1045987	50

Accessories[1])

D-PTIO 1,5/S/5	3244589	50
DS-PTIO 1,5/S	1045987	50

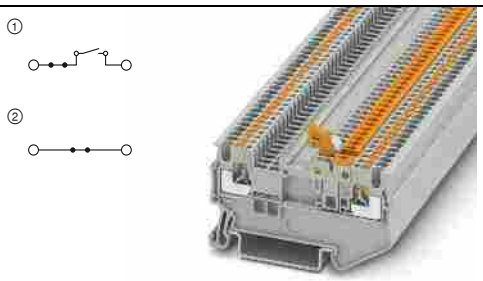
Knife disconnect terminal blocks

Notes:

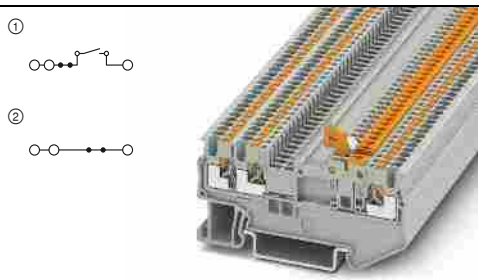
[1]) For additional accessories and technical data, see page 38.

The nominal current for PT ...MTD.. terminal blocks is 17.5 A.

For 1 mm² conductors with ferrule and plastic sleeve, using the AI-S 1-8 TQ ferrule is recommended, Order No. 1200293.



10 A, knife disconnect terminal block



10 A, knife disconnect terminal block, 3 connections

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	3.5	58.9	32 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		10	400	0.14 - 1.5	26-16
Maximum bridge current	[A]	10			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	10 / 1.5	10 / -	10 / -	- / -

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	3.5	67.8	32 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		10	400	0.14 - 1.5	26-16
Maximum bridge current	[A]	10			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	10 / 1.5	10 / -	10 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Knife disconnect terminal block	gray	**PT 1,5/S-MT**	①	3210301	50
	blue	**PT 1,5/S-MT BU**	①	3210302	50
Feed-through terminal block, same shape	gray	**PT 1,5/S-MTD**	②	3210308	50
	blue	**PT 1,5/S-MTD BU**	②	3210309	50

Ordering data

Type		Order No.	Pcs./Pkt.
PT 1,5/S-TWIN-MT	①	3210311	50
PT 1,5/S-TWIN-MT BU	①	3210312	50
PT 1,5/S-TWIN-MTD	②	3210317	50
PT 1,5/S-TWIN-MTD BU	②	3210319	50

Accessories[1])

Cover, 0.8 mm width	gray	**D-PT 1,5/S-MT-0,8**	3210303	50
	orange	**D-PT 1,5/S-MT-0,8 OG**	3210304	50

Accessories[1])

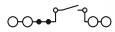
D-PT 1,5/S-TWIN-MT-0,8	3210313	50
D-PT 1,5/S-TWIN-MT-0,8 OG	3210314	50

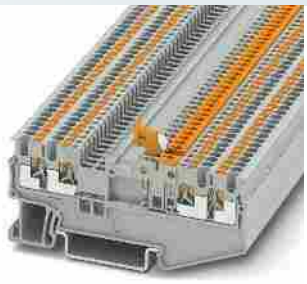
Knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 38.

For 1 mm² conductors with ferrule and plastic sleeve, using the AI-S 1-8 TQ ferrule is recommended, Order No. 1200293.

① 



10 A, knife disconnect terminal block, 4 connections

EAC

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**3.5**	**76.9**	**32 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		10	**400**	**0.14 - 1.5**	**26-16**
Maximum bridge current	[A]	10			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	10 / 1.5	10 / -	10 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Knife disconnect terminal block	gray	**PT 1,5/S-QUATTRO-MT**	①	3210321	50
	blue	**PT 1,5/S-QUATTRO-MT BU**	①	3210322	50
Feed-through terminal block, same shape	gray				
	blue				

Accessories[1])

Cover, 0.8 mm width	gray	**D-PT 1,5/S-QUATTRO-MT-0,8**	3210333	50
	orange	**D-PT 1,5/S-QUATTRO-MT-0,8 OG**	3210334	50

①

17.5 A, feed-through terminal block, 4 connections, same shape

EAC

Technical data[1])

Width	Length	Height	
3.5	**76.9**	**32 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5	**400**	**0.14 - 1.5**	**26-16**
17.5			
IEC	UL / CUL	CSA	Ex
400	300	300	-
17.5 / 1.5	10 / -	10 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PT 1,5/S-QUATTRO-MTD	①	3210328	50
PT 1,5/S-QUATTRO-MTD BU	①	3210329	50

Accessories[1])

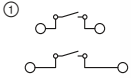
D-PT 1,5/S-QUATTRO-MT-0,8	3210333	50
D-PT 1,5/S-QUATTRO-MT-0,8 OG	3210334	50

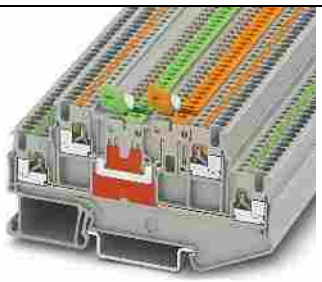
Knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 38.

For 1 mm² conductors with ferrule and plastic sleeve, using the AI-S 1-8 TQ ferrule is recommended, Order No. 1200293.

① 



9 A, double-level terminal block with one disconnect knife per level

EAC

Technical data[1])

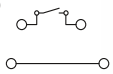
Dimensions		Width	Length	Height	
	[mm]	**3.5**	**86**	**42.6 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		9	**400**	**0.14 - 1.5**	**26-16**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	9 / 1.5	10 / -	10 / -	- / -

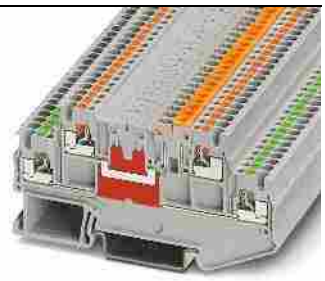
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Knife disconnect terminal block	gray	**PTT 1,5/S-2MT**	①	3210351	50
	blue	**PTT 1,5/S-2MT BU**	①	3210352	50

Accessories[1])

Cover, 0.8 mm width	gray	**D-PTT 1,5/S-2MT-0,8**	3210353	50
	orange	**D-PTT 1,5/S-2MT-0,8 OG**	3210354	50

① 



9 A, double-level terminal block with disconnect knife, upper level can be disconnected

EAC

Technical data[1])

Width	Length	Height	
3.5	**86**	**42.6 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
9	**400**	**0.14 - 1.5**	**26-16**
IEC	UL / CUL	CSA	Ex
400	300	300	-
9 / 1.5	10 / -	10 / -	- / -

Ordering data

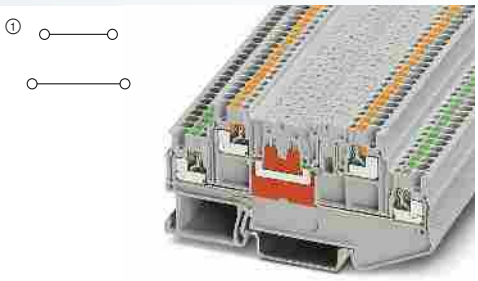
Type		Order No.	Pcs./Pkt.
PTT 1,5/S-L/MT	①	3210341	50
PTT 1,5/S-L/MT BU	①	3210342	50

Accessories[1])

D-PTT 1,5/S-2MT-0,8	3210353	50
D-PTT 1,5/S-2MT-0,8 OG	3210354	50

Double-level terminal blocks, same shape

Notes:
[1]) For additional accessories and technical data, see page 38.
For 1 mm² conductors with ferrule and plastic sleeve, using the AI-S 1-8 TQ ferrule is recommended, Order No. 1200293.



9 A, double-level terminal block, same shape

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		3.5	86	42.6 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		9	400	0.14 - 1.5 / 26-16
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400	300	300 / -
Nominal current / cross section	[A] / [mm²]	9 / 1.5	10 / -	10 / - / - / -

Ordering data

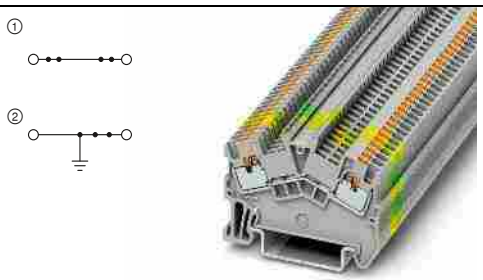
Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTT 1,5/S-2L**	①	3210356	50
	blue	**PTT 1,5/S-2L BU**	①	3210357	50

Accessories[1])

Cover, 0.8 mm width	gray	**D-PTT 1,5/S-2MT-0,8**		3210353	50
	orange	**D-PTT 1,5/S-2MT-0,8 OG**		3210354	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks in desk design

Notes:
[1]) For additional accessories and technical data, see page 38.
For 1 mm² conductors with ferrule and plastic sleeve, using the AI-S 1-8 TQ ferrule is recommended, Order No. 1200293.
For information on installation and using accessories for Ex applications, see page 678.



17.5 A, feed-through terminal block

Ex:
SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

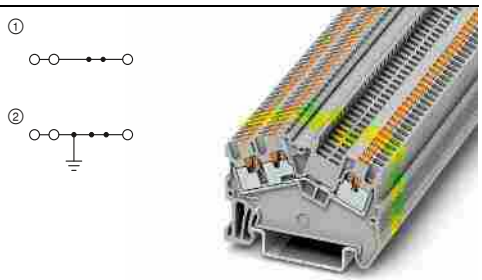
Dimensions					
	[mm]	Width	Length	Height	
		3.5	50.7	38.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	500	0.14 - 1.5	26-14
Maximum bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	352
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	15 / 1.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTS 1,5/S**	①	3214547	50
	blue	**PTS 1,5/S BU**	①	3214550	50
Ground terminal	green-yellow	**PTS 1,5/S-PE**	②	3214563	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTS 1,5/S**	3214576	50



17.5 A, feed-through terminal block, 3 connections

Ex:
SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

Width	Length	Height			
3.5	50.7	38.5 (NS 35/7,5)			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)		
17.5	500	0.14 - 1.5	26-14		
17.5					
IEC	UL / CUL	CSA	Ex		
500	600	600	352		
17.5 / 1.5	15 / -	15 / -	15 / 1.5		

Ordering data

Type		Order No.	Pcs./Pkt.
PTS 1,5/S-TWIN	①	3214589	50
PTS 1,5/S-TWIN BU	①	3214592	50
PTS 1,5/S-TWIN-PE	②	3214602	50

Accessories[1])

D-PTS 1,5/S		3214576	50

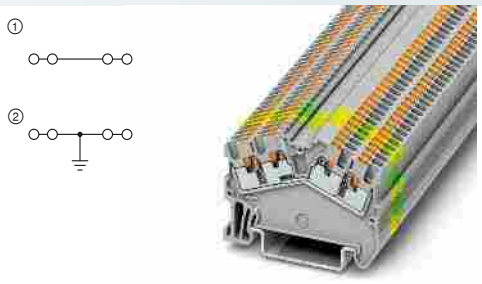
Feed-through, multi-conductor, multi-level, and ground terminal blocks in desk design

Notes:

[1]) For additional accessories and technical data, see page 38.

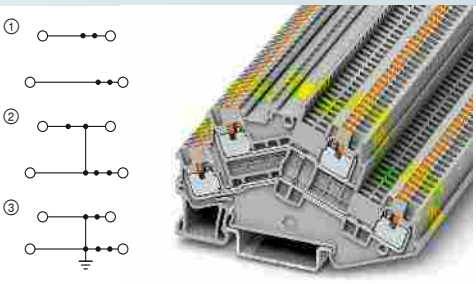
For 1 mm² conductors with ferrule and plastic sleeve, using the AI-S 1-8 TQ ferrule is recommended, Order No. 1200293.

For information on installation and using accessories for Ex applications, see page 678.



17.5 A, feed-through terminal block, 4 connections

Ex:
SEV13ATEX0159U / IECEx SEV13.0005U



16 A, double-level terminal block

Ex:
SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**3.5**	**50.7**	**38.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**500**	**0.14 - 1.5**	**26-14**
Maximum bridge current	[A]	-			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	352
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	15 / 1.5

Technical data[1])

		Width	Length	Height	
		3.5	**78.8**	**48.2 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**500**	**0.14 - 1.5**	**26-14**
		16			
		IEC	UL / CUL	CSA	Ex
		500	600	600	352
		16 / 1.5	15 / -	15 / -	13.5 / 1.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTS 1,5/S-QUATTRO**	①	3214615	50
	blue	**PTS 1,5/S-QUATTRO BU**	①	3214631	50
With potential distribution	gray				
Ground terminal	green-yellow	**PTS 1,5/S-QUATTRO-PE**	②	3214644	50

Ordering data

Type		Order No.	Pcs./Pkt.
PTTBS 1,5/S	①	3214657	50
PTTBS 1,5/S BU	①	3214660	50
PTTBS 1,5/S-PV	②	3214686	50
PTTBS 1,5/S-PE	③	3214673	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTS 1,5/S**	3214576	50

Accessories[1])

D-PTTBS 1,5/S	3214699	50

Mini feed-through and ground terminal blocks

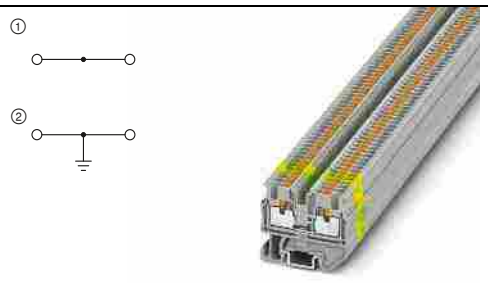
Notes:

[1]) For additional accessories and technical data, see page 38.

For 1 mm² conductors with ferrule and plastic sleeve, using the AI-S 1-8 TQ ferrule is recommended, Order No. 1200293.

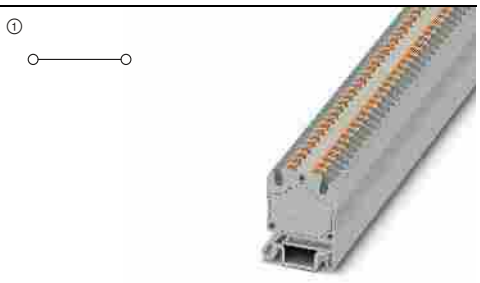
For more colors for MPT 1,5/S and MP 1,5, visit phoenixcontact.net/products

For information on installation and using accessories for Ex applications, see page 678.



17.5 A, mini feed-through terminal block

Ex:
SEV14ATEX0140U / IECEx SEV14.0010U



17.5 A, single terminal block

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**3.5**	**33.55**	**28.1 (NS 15)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**500**	**0.14 - 1.5**	**26-14**
Maximum bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	352
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	14.5 / 1.5
Cross section range	AWG	26 - 14	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
Connection cross sections directly plug-in	[mm²]	0.25 - 1.5	-	0.34 - 1.5	0.34 - 1

Technical data[1])

		Width	Length	Height	
		4.2	**21**	**27.2 (NS 15)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**500**	**0.14 - 1.5**	**26-14**
		-			
		IEC	UL / CUL	CSA	Ex
		500	300	300	-
		17.5	15 / -	15 / -	- / -
		26 - 16	-	-	-
		Rigid	Flexible	Ferrule without/with plastic sleeve	
		0.14 - 1.5	0.14 - 1.5	0.25 - 1.5	0.25 - 1.5
		0.34 - 1.5	-	0.5 - 1.5	0.5 - 1.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**MPT 1,5/S**	①	3248100	50
Ground terminal	green-yellow	**MPT 1,5/S-PE**	②	3248110	50

Ordering data

Type		Order No.	Pcs./Pkt.
MP 1,5	①	3248150	50

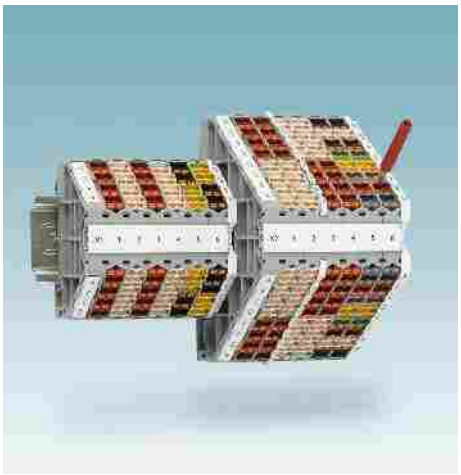
Accessories[1])

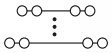
Cover, width: 2.2 mm	gray	**D-MPT 1,5/S**	3248120	50

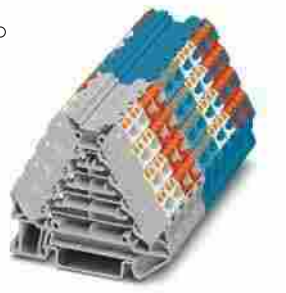
Accessories[1])

1.5 mm² PT Push-in connection terminal blocks

Marshalling terminals, four levels

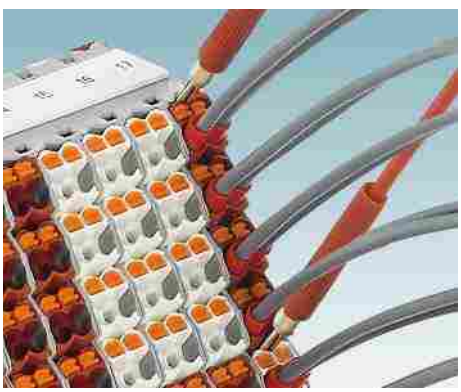






10 A, marshalling terminal, 16 connections

- Maximum signal density and up to 20% less space required, thanks to the compact design
- Easy and tool-free wiring thanks to Push-in connection
- Freely configurable color assignment for conductors and terminal points, enabling intuitive and safe installation
- Four conductors up to 2.5 mm² can be connected to one potential by means of the double connection
- Convenient testing by means of freely accessible 2.3 mm test connections centered between the connection points
- Large-surface, pitch-free marking for matrix identification
- Easy potential distribution with bridges and 6 mm² supply
- Blue marshalling terminals for use in Ex i safety circuits < 60 V
- Cabling duct combs can be snapped on as an option
- FTRV versions are available without actuation lever



Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		8.3	**64**	**55.5**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		10	**250**	**0.14 - 2.5** / **26-14**
Rated data		IEC 60947-7-1		
		IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	250	300	300 / -
Nominal current / cross section	[A] / [mm²]	10 / 1.5	10	10 / -
Cross section range	AWG	26 - 14	26-14	26-14 / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Connection cross sections directly plug-in	[mm²]	0.34 - 2.5	-	0.34 - 1.5 / 0.34 - 1.5

Ordering data

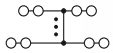
Description	Color	Type	Order No.	Pcs./Pkt.
Marshalling terminal, white chambers	gray	**PTRV 4 /WH**	3270115	10
Chambers: red	gray	**PTRV 4 /RD**	3270121	10
Chambers: gray	gray	**PTRV 4 /GY**	3270117	10
Chambers: green	gray	**PTRV 4 /GN**	3270122	10
Chambers: yellow	gray	**PTRV 4 /YE**	3270123	10
Chambers: blue	blue	**PTRV 4 BU/BU**	3270118	10
Chambers: white	blue	**PTRV 4 BU/WH**	3270119	10
Chambers: red	blue	**PTRV 4 BU/RD**	3270120	10
Marshalling terminal, without actuation lever, white chambers	gray	**FTRV 4 /WH**	3270169	10
Chambers: red	gray	**FTRV 4 /RD**	3270175	10
Chambers: blue	blue	**FTRV 4 BU/BU**	3270172	10
Chambers: white	blue	**FTRV 4 BU/WH**	3270173	10
Chambers: red	blue	**FTRV 4 BU/RD**	3270174	10

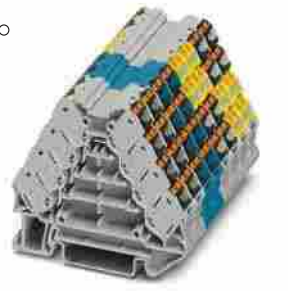
Accessories

Spacer plate, width: 8.3 mm	gray	**DP-PTRV 4**	3270163	10
Cable duct comb, can be snapped on	gray	**CDC-PTRV**	3270167	10
Zack marker strip, flat, for marking the DP-PTRV ... spacer plate, **unprinted**	white	**ZBF 6/9,2 S8:UNBEDRUCKT**	0803447	10
printed horizontally, numbers 1-8	white	**ZBF 6/9,2 S8,LGS:1-8**	0803450	10
printed horizontally, letters A-H	white	**ZBF 6/9,2 S8,LGS:A-H**	0803451	10
printed vertically, numbers 1-8	white	**ZBF 6/9,2 S8,QR:1-8**	0803448	10
printed vertically, letters A-H	white	**ZBF 6/9,2 S8,QR:A-H**	0803449	10
labeled in accordance with customer specifications	white	**ZBF 6/9,2 S8 CUS**	8191575	1
Zack marker strip, for marking the PTRV terminal, **unprinted**	white	**ZB 8,3:UNBEDRUCKT**	0803444	10
printed horizontally, with consecutive numbers, e.g., 1-10, 11-20	white	**ZB 8,3,LGS:FORTL.ZAHLEN**	0803480	10
printed vertically, with consecutive numbers, e.g., 1-10, 11-20	white	**ZB 8,3,QR:FORTL.ZAHLEN**	0803479	10

Potential distributors, four levels

- Potential distribution systems with up to 16 connections can be implemented with the PTRV ...-PV terminal block
- Blue marshalling terminals for use in Ex i safety circuits < 60 V
- Easy potential distribution with bridges and 6 mm² supply





20 A, potential distributor, 16 connections

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**8.3**	**64**	**55.5**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**250**	**0.14 - 2.5**	**26-14**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10	10 / -	-
Cross section range	AWG	26 - 14	26-14	26-14	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Connection cross sections directly plug-in	[mm²]	0.34 - 2.5	-	0.34 - 1.5	0.34 - 1.5

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Potential distributor, black chambers	gray	**PTRV 4-PV /BK**	3270125	10
Chambers: red	gray	**PTRV 4-PV /RD**	3270246	10
Chambers: blue	gray	**PTRV 4-PV /BU**	3270247	10
Chambers: black	blue	**PTRV 4-PV BU/BK**	3270126	10
Potential distributor, top two chambers yellow, bottom two chambers black	gray	**PTRV 4-FE /YEBK**	3270130	10
top two chambers black, bottom two chambers yellow	gray	**PTRV 4-FE /BKYE**	3270131	10
Potential distributor, without actuation lever, black chambers	gray	**FTRV 4-PV /BK**	3270178	10
Chambers: black	blue	**FTRV 4-PV BU/BK**	3270181	10
Potential distributor, without actuation lever, top two chambers yellow, bottom two chambers black	gray	**FTRV 4-FE /YEBK**	3270184	10
top two chambers black, bottom two chambers yellow	gray	**FTRV 4-FE /BKYE**	3270185	10

Accessories

Spacer plate, width: 8.3 mm	gray	**DP-PTRV 4**	3270163	10
Zack marker strip, flat, for marking the DP-PTRV ... spacer plate, **unprinted**	white	**ZBF 6/9,2 S8:UNBEDRUCKT**	0803447	10
printed horizontally, numbers 1-8	white	**ZBF 6/9,2 S8,LGS:1-8**	0803450	10
printed horizontally, letters A-H	white	**ZBF 6/9,2 S8,LGS:A-H**	0803451	10
printed vertically, numbers 1-8	white	**ZBF 6/9,2 S8,QR:1-8**	0803448	10
printed vertically, letters A-H	white	**ZBF 6/9,2 S8,QR:A-H**	0803449	10
labeled in accordance with customer specifications	white	**ZBF 6/9,2 S8 CUS**	8191575	1

1.5 mm² PT Push-in connection terminal blocks

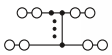
Potential distributors, four levels

- Space-saving potential distribution with up to 32 connections
- Potential distribution blocks can be individually adapted with plug-in bridges for assembly
- Versions with 6 mm² supply option and 32 A
- PTRVB 4-PE ground terminal for the connection of shielding or protective conductors
- Versions are available in blue and red for clear assignment
- Large-surface marking options

Notes:

[1]) Nominal current of 17.5 A. 16 connections

[2]) The maximum current of a double connection is 24 A.



37 A, potential distributor, 13 connections, with supply, can be bridged

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		8.3	**64**	**55.5**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	**250**	**0.14 - 2.5 / 12-10**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	250	-	- / -
Nominal current / cross section	[A] / [mm²]	17.5[2]) / 1.5	-	- / -
Cross section range	AWG	26 - 14	12-10	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Connection cross sections directly plug-in	[mm²]	0.34 - 2.5	-	0.34 - 1.5 / 0.34 - 1.5
Rated data, feed		IEC	UL / CUL	CSA / IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	32 / 4	-	- / -
Maximum current	[A]	37	-	- / -
Cross section range	AWG	24 - 10	12-10	- / -
Supply connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 6	0.2 - 6	0.2 - 6 / 0.2 - 6
Connection cross sections directly plug-in	[mm²]	0.34 - 6	-	0.34 - 6 / 0.34 - 6

Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Potential distributor, with supply	gray	**PTRVB 4-FI /BK**		3270158	10
Chambers: blue	gray	**PTRVB 4-FI /BU**		3270221	10
Chambers: red	gray	**PTRVB 4-FI /RD**		3270220	10
Chambers: gray	gray	**PTRVB 4-FI /GY**		3270138	10
Potential distributor[1])	gray	**PTRVB 4-PV /BK**		3270157	10
Chambers: blue	gray	**PTRVB 4-PV /BU**		3270223	10
Chambers: red	gray	**PTRVB 4-PV /RD**		3270222	10
Ground terminal		**PTRVB 4-PE**		1070018	10
Potential distributor, with supply, without actuation lever	gray	**FTRVB 4-FI /BK**		3270208	10
Potential distributor, without actuation lever[1])	gray	**FTRVB 4-PV /BK**		3270207	10

Accessories

Spacer plate, width: 8.3 mm	gray	**DP-PTRV 4**		3270163	10
Continuous plug-in bridge, 500 mm long, isolated, can be cut to length, for potential distribution					
Nominal current: 32 A	red	**FBST 500-PLC RD**	32 A	2966786	20
	gray	**FBST 500-PLC GY**	32 A	2966838	20
Zack marker strip, flat, for marking the DP-PTRV ... spacer plate, **unprinted**	white	**ZBF 6/9,2 S8:UNBEDRUCKT**		0803447	10
printed horizontally, numbers 1-8	white	**ZBF 6/9,2 S8,LGS:1-8**		0803450	10
printed horizontally, letters A-H	white	**ZBF 6/9,2 S8,LGS:A-H**		0803451	10
printed vertically, numbers 1-8	white	**ZBF 6/9,2 S8,QR:1-8**		0803448	10
printed vertically, letters A-H	white	**ZBF 6/9,2 S8,QR:A-H**		0803449	10
labeled in accordance with customer specifications	white	**ZBF 6/9,2 S8 CUS**		8191575	1

Accessories

– Space-saving partition and end cover with isolating function
– Same shape as the PTRV ... marshalling panel

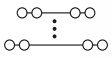
	Technical data	Technical data
General data		
Material	PA	PA

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Cover, can be grouped, unprinted	white	**D-PTRV 4 WH**	3270151	10			
Vertically printed: numbers 1-4	white	**D-PTRV 4 WH 1-4**	3270152	10			
Horizontally printed: numbers 1-4	white	**D-PTRV 4 WH 1-4 LGS**	3270234	10			
Vertically printed: numbers 4-1	white	**D-PTRV 4 WH 4-1**	3270236	10			
Horizontally printed: numbers 4-1	white	**D-PTRV 4 WH 4-1 LGS**	3270238	10			
Vertically printed: letters A-D	white	**D-PTRV 4 WH A-D**	3270153	10			
Horizontally printed: letters A-D	white	**D-PTRV 4 WH A-D LGS**	3270235	10			
Vertically printed: letters D-A	white	**D-PTRV 4 WH D-A**	3270237	10			
Horizontally printed: letters D-A	white	**D-PTRV 4 WH D-A LGS**	3270239	10			
Marking strips, no loss of pitch, **vertically printed,** numbers 1-4	white				**TM-PTRV 4,QR:1-4**	0803464	10
Vertically printed, numbers 4-1	white				**TM-PTRV 4,QR:4-1**	0803465	10
Vertically printed, letters A-D	white				**TM-PTRV 4,QR:A-D**	0803466	10
Vertically printed, letters D-A	white				**TM-PTRV 4,QR:D-A**	0803467	10

1.5 mm² PT Push-in connection terminal blocks

Marshalling terminals, eight levels

- Maximum signal density and up to 20% less space required, thanks to the compact design
- Easy and tool-free wiring, thanks to Push-in connection
- Freely configurable color assignment for conductors and terminal points, enabling intuitive and safe installation
- Four conductors up to 2.5 mm² can be connected to one potential by means of the double connection
- Convenient testing by means of freely accessible 2.3 mm test connections centered between the connection points
- Large-surface, pitch-free marking for matrix identification
- Easy potential distribution with bridges and 6 mm² supply
- Blue marshalling terminals for use in Ex i safety circuits < 60 V
- Cabling duct combs can be snapped on as an option
- FTRV versions are available without actuation lever



8 A, marshalling terminal, 32 connections

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**8.3**	**100**	**87.5**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		8	**250**	**0.14 - 2.5**	**26-14**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm²]	8 / 1.5	10	10 / -	-
Cross section range	AWG	26 - 14	26-14	26-14	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Connection cross sections directly plug-in	[mm²]	0.34 - 2.5	-	0.34 - 1.5	0.34 - 1.5

Technical data

Ordering data

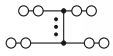
Description	Color	Type	Order No.	Pcs./Pkt.
Marshalling terminal, top four chambers white, bottom four chambers red	gray	**PTRV 8 /WHRD**	3270133	10
top four chambers red, bottom four chambers white	gray	**PTRV 8 /RDWH**	3270137	10
Chambers: blue	gray	**PTRV 8 /BU**	3270233	10
Chambers: green	gray	**PTRV 8 /GN**	3270232	10
Chambers: red	gray	**PTRV 8 /RD**	3270231	10
Chambers: colors in accordance with VDE 0815 color code	gray	**PTRV 8 /VDE 0815**	3270230	10
Chambers: blue	blue	**PTRV 8 BU/BU**	3270136	10
top four chambers white, bottom four chambers red	blue	**PTRV 8 BU/WHRD**	3270134	10
top four chambers red, bottom four chambers white	blue	**PTRV 8 BU/RDWH**	3270135	10
Marshalling terminal, without actuation lever, top four chambers white, bottom four chambers red	gray	**FTRV 8 /WHRD**	3270187	10
top four chambers red, bottom four chambers white	gray	**FTRV 8 /RDWH**	3270193	10
Chambers: blue	blue	**FTRV 8 BU/BU**	3270190	10
top four chambers white, bottom four chambers red	blue	**FTRV 8 BU/WHRD**	3270191	10
top four chambers red, bottom four chambers white	blue	**FTRV 8 BU/RDWH**	3270192	10

Accessories

Spacer plate, width: 8.3 mm	gray	**DP-PTRV 8**	3270166	10
Cable duct comb, can be snapped on	gray	**CDC-PTRV**	3270167	10
Zack marker strip, flat, for marking the DP-PTRV ... spacer plate, **unprinted**	white	**ZBF 6/9,2 S8:UNBEDRUCKT**	0803447	10
printed horizontally, numbers 1-8	white	**ZBF 6/9,2 S8,LGS:1-8**	0803450	10
printed horizontally, letters A-H	white	**ZBF 6/9,2 S8,LGS:A-H**	0803451	10
printed vertically, numbers 1-8	white	**ZBF 6/9,2 S8,QR:1-8**	0803448	10
printed vertically, letters A-H	white	**ZBF 6/9,2 S8,QR:A-H**	0803449	10
labeled in accordance with customer specifications	white	**ZBF 6/9,2 S8 CUS**	8191575	1
Zack marker strip, for marking the PTRV terminal, **unprinted**	white	**ZB 8,3:UNBEDRUCKT**	0803444	10
printed horizontally, with consecutive numbers, e.g., 1-10, 11-20	white	**ZB 8,3,LGS:FORTL.ZAHLEN**	0803480	10
printed vertically, with consecutive numbers, e.g., 1-10, 11-20	white	**ZB 8,3,QR:FORTL.ZAHLEN**	0803479	10

Potential distributors, eight levels

- Potential distribution systems with up to 32 connections can be implemented with the PTRV ...-PV terminal block
- Blue marshalling terminals for use in Ex i safety circuits < 60 V
- Easy potential distribution with bridges and 6 mm² supply



20 A, potential distributor, 32 connections

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		8.3	**100**	**87.5**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20	**250**	**0.14 - 2.5** / **26-14**
Rated data		IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	250	300	300 / -
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10	10 / -
Cross section range	AWG	26 - 14	26-14	26-14 / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Connection cross sections directly plug-in	[mm²]	0.34 - 2.5	-	0.34 - 1.5 / 0.34 - 1.5

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Potential distributor, black chambers	gray	**PTRV 8-PV /BK**	3270142	10
Chambers: blue	gray	**PTRV 8-PV /BU**	3270249	10
Chambers: red	gray	**PTRV 8-PV /RD**	3270248	10
Chambers: black	blue	**PTRV 8-PV BU/BK**	3270145	10
Potential distributor, top four chambers yellow, bottom four chambers black	gray	**PTRV 8-FE /YEBK**	3270148	10
top four chambers black, bottom four chambers yellow	gray	**PTRV 8-FE /BKYE**	3270149	10
Potential distributor, without actuation lever, black chambers	gray	**FTRV 8-PV /BK**	3270194	10
Chambers: black	blue	**FTRV 8-PV BU/BK**	3270196	10
Potential distributor, without actuation lever, top four chambers yellow, bottom four chambers black	gray	**FTRV 8-FE /YEBK**	3270202	10
top four chambers black, bottom four chambers yellow	gray	**FTRV 8-FE /BKYE**	3270204	10

Accessories

Spacer plate, width: 8.3 mm	gray	**DP-PTRV 8**	3270166	10
Cable duct comb, can be snapped on	gray	**CDC-PTRV**	3270167	10
Zack marker strip, flat, for marking the DP-PTRV ... spacer plate, **unprinted**	white	**ZBF 6/9,2 S8:UNBEDRUCKT**	0803447	10
printed horizontally, numbers 1-8	white	**ZBF 6/9,2 S8,LGS:1-8**	0803450	10
printed horizontally, letters A-H	white	**ZBF 6/9,2 S8,LGS:A-H**	0803451	10
printed vertically, numbers 1-8	white	**ZBF 6/9,2 S8,QR:1-8**	0803448	10
printed vertically, letters A-H	white	**ZBF 6/9,2 S8,QR:A-H**	0803449	10
labeled in accordance with customer specifications	white	**ZBF 6/9,2 S8 CUS**	8191575	1

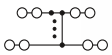
Potential distributors, eight levels

- Space-saving potential distribution with up to 32 connections
- Potential distribution blocks can be individually adapted with plug-in bridges for assembly
- Versions with 6 mm² supply option and 32 A
- Versions are available in blue and red for clear assignment
- Large-surface marking options

Notes:

[1]) Nominal current of 17.5 A. 32 connections

[2]) The maximum current of a double connection is 24 A.



37 A, potential distributor, 29 connections, with supply, can be bridged

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		8.3	**100**	**87.5**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	**250**	**0.14 - 2.5** / **12-10**
		IEC 60947-7-1		
Rated data		IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	250	-	- / -
Nominal current / cross section	[A] / [mm²]	17.5[2]) / 1.5	-	- / -
Cross section range	AWG	26 - 14	12-10	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Connection cross sections directly plug-in	[mm²]	0.34 - 2.5	-	0.34 - 1.5 / 0.34 - 1.5
Rated data, feed		IEC	UL / CUL	CSA / IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	32 / 4	-	- / -
Maximum current	[A]	37	-	- / -
Cross section range	AWG	24 - 10	12-10	- / -
Supply connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 6	0.2 - 6	0.2 - 6 / 0.2 - 6
Connection cross sections directly plug-in	[mm²]	0.34 - 6	-	0.34 - 6 / 0.34 - 6

Ordering data

Description	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Potential distributor, with supply	gray	**PTRVB 8-FI /BK**		3270160	10
Chambers: blue	gray	**PTRVB 8-FI /BU**		3270225	10
Chambers: red	gray	**PTRVB 8-FI /RD**		3270224	10
Potential distributor[1])	gray	**PTRVB 8-PV /BK**		3270159	10
Chambers: blue	gray	**PTRVB 8-PV /BU**		3270227	10
Chambers: red	gray	**PTRVB 8-PV /RD**		3270226	10
Potential distributor, with supply, without actuation lever	gray	**FTRVB 8-FI /BK**		3270210	10
Potential distributor, without actuation lever[1])	gray	**FTRVB 8-PV /BK**		3270209	10

Accessories

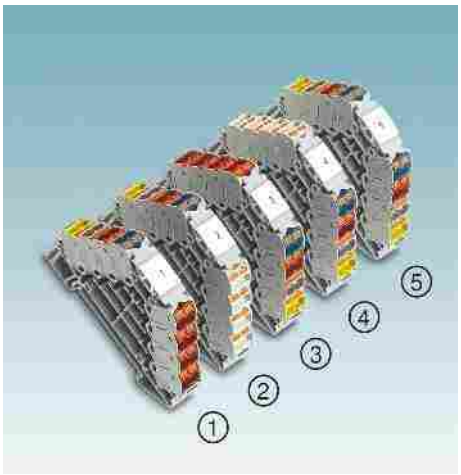
Spacer plate, width: 8.3 mm	gray	**DP-PTRV 8**		3270166	10
Continuous plug-in bridge, 500 mm long, isolated, can be cut to length, for potential distribution					
Nominal current: 32 A	red	**FBST 500-PLC RD**	32 A	2966786	20
	gray	**FBST 500-PLC GY**	32 A	2966838	20
Zack marker strip, flat, for marking the DP-PTRV ... spacer plate, **unprinted**	white	**ZBF 6/9,2 S8:UNBEDRUCKT**		0803447	10
printed horizontally, numbers 1-8	white	**ZBF 6/9,2 S8,LGS:1-8**		0803450	10
printed horizontally, letters A-H	white	**ZBF 6/9,2 S8,LGS:A-H**		0803451	10
printed vertically, numbers 1-8	white	**ZBF 6/9,2 S8,QR:1-8**		0803448	10
printed vertically, letters A-H	white	**ZBF 6/9,2 S8,QR:A-H**		0803449	10
labeled in accordance with customer specifications	white	**ZBF 6/9,2 S8 CUS**		8191575	1

Accessories

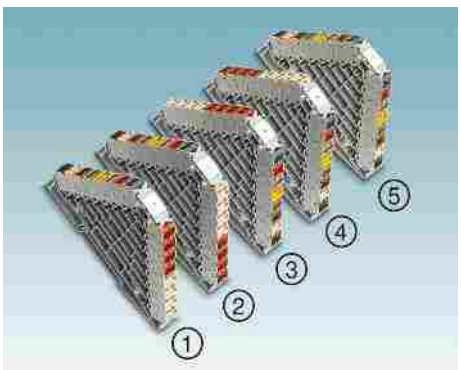
– Space-saving partition and end cover with isolating function
– Same shape as the PTRV ... marshalling panel

	Technical data			Technical data		
General data						
Material	PA			PA		
	Ordering data			**Ordering data**		
Description / Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
Cover, can be grouped, unprinted						
white	**D-PTRV 8 WH**	3270154	10			
printed vertically, numbers 1-8 white	**D-PTRV 8 WH 1-8**	3270155	10			
printed horizontally, numbers 1-8 white	**D-PTRV 8 WH 1-8 LGS**	3270240	10			
printed vertically, numbers 8-1 white	**D-PTRV 8 WH 8-1**	3270242	10			
printed horizontally, numbers 8-1 white	**D-PTRV 8 WH 8-1 LGS**	3270244	10			
printed vertically, numbers 1-16 white	**D-PTRV 8 WH 1-16**	3270228	10			
printed horizontally, numbers 1-16 white	**D-PTRV 8 WH 1-16 LGS**	3270229	10			
printed vertically, numbers 9-16 white	**D-PTRV 8 WH 9-16**	3270211	10			
printed horizontally, numbers 9-16 white	**D-PTRV 8 WH 9-16 LGS**	3270212	10			
printed vertically, numbers 17-24 white	**D-PTRV 8 WH 17-24**	3270213	10			
printed horizontally, numbers 17-24 white	**D-PTRV 8 WH 17-24 LGS**	3270214	10			
printed vertically, numbers 25-32 white	**D-PTRV 8 WH 25-32**	3270215	10			
printed horizontally, numbers 25-32 white	**D-PTRV 8 WH 25-32 LGS**	3270216	10			
printed vertically, letters A-H white	**D-PTRV 8 WH A-H**	3270156	10			
printed horizontally, letters A-H white	**D-PTRV 8 WH A-H LGS**	3270241	10			
printed vertically, letters H-A white	**D-PTRV 8 WH H-A**	3270243	10			
printed horizontally, letters H-A white	**D-PTRV 8 WH H-A LGS**	3270245	10			
printed vertically, letters A-P white	**D-PTRV 8 WH A-P**	3270217	10			
printed horizontally, letters A-P white	**D-PTRV 8 WH A-P LGS**	3270218	10			
Marking strips, no loss of pitch,						
printed vertically, numbers 1-8 white				**TM-PTRV 8,QR:1-8**	0803468	10
printed vertically, numbers 8-1 white				**TM-PTRV 8,QR:8-1**	0803470	10
printed vertically, letters A-H white				**TM-PTRV 8,QR:A-H**	0803471	10
printed vertically, letters H-A white				**TM-PTRV 8,QR:H-A**	0803473	10

Marshalling terminals for free assembly

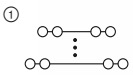


- **The marshalling terminals can be easily configured and ordered with just a click of the mouse in the product area on our website at phoenixcontact.net/products**
- **To order via fax or e-mail, please use the ordering data as shown in the ordering example on the following page**
- Freely configurable marshalling terminal with 11 colors to choose from
- Level-based color configuration
- Various combinations possible for creating a marshalling pitch



Notes:

For technical data and accessories, see page 46.

① 

Marshalling terminal, color configuration in accordance with customer specifications

EAC KEMA EUR

Description	Color	Ordering data			
		Type		Order No.	Pcs./Pkt.
① **Marshalling terminal,** 4-pos., left side color can be freely configured, right side color: red	gray	**PTRV 4 /COL-RD**	①	3001754	10
② Left side color can be freely configured, right side color: white	gray	**PTRV 4 /COL-WH**	①	3001871	10
③ Left side color: red, right side color can be freely configured	gray	**PTRV 4 /RD-COL**	①	3001872	10
Left side color: white, right side color can be freely configured	gray	**PTRV 4 /WH-COL**	①	3001874	10
Left and right side colors can be freely configured, same colors on each level	gray	**PTRV 4 /COL-COL**	①	3001875	10
① **Marshalling terminal,** 8-pos., left side color can be freely configured, right: upper 4 chambers: red, lower 4 chambers white	gray	**PTRV 8 /COL-RDWH**	①	3001851	10
② Left side color can be freely configured, right: upper 4 chambers: white, lower 4 chambers: red	gray	**PTRV 8 /COL-WHRD**	①	3001876	10
③ Left: upper 4 chambers: red, lower 4 chambers: white, right side color can be freely configured	gray	**PTRV 8 /RDWH-COL**	①	3001877	10
Left: upper 4 chambers: white, lower 4 chambers: red, right side color can be freely configured	gray	**PTRV 8 /WHRD-COL**	①	3001878	10
Left and right side colors can be freely configured, same colors on each level	gray	**PTRV 8 /COL-COL**	①	3001879	10
① **Marshalling terminal,** without actuation lever, 4-pos., left side color can be freely configured, right side color: red	gray	**FTRV 4 /COL-RD**	①	3001760	10
② Left side color can be freely configured, right side color: white	gray	**FTRV 4 /COL-WH**	①	3001880	10
③ Left side color: red, right side color can be freely configured	gray	**FTRV 4 /RD-COL**	①	3001881	10
Left side color: white, right side color can be freely configured	gray	**FTRV 4 /WH-COL**	①	3001882	10
Left and right side colors can be freely configured, same colors on each level	gray	**FTRV 4 /COL-COL**	①	3001883	10
① **Marshalling terminal,** without actuation lever, 8-pos., left side color can be freely configured, right: upper 4 chambers: red, lower 4 chambers: white	gray	**FTRV 8 /COL-RDWH**	①	3001852	10
② Left side color can be freely configured, right: upper 4 chambers: white, lower 4 chambers: red	gray	**FTRV 8 /COL-WHRD**	①	3001884	10
③ Left: upper 4 chambers: red, lower 4 chambers: white, right side color can be freely configured	gray	**FTRV 8 /RDWH-COL**	①	3001885	10
Left: upper 4 chambers: white, lower 4 chambers: red, right side color can be freely configured	gray	**FTRV 8 /WHRD-COL**	①	3001887	10
Left and right side colors can be freely configured, same colors on each level	gray	**FTRV 8 /COL-COL**	①	3001888	10

Ordering example: Configured marshaling terminal

Ordering example:
A marshaling terminal with eight levels should be configured as follows in accordance with DIN VDE 0815:

The right side is marked red in the upper levels 1 - 4, and the lower levels 5 - 8 are marked white.
Please select order number 3001851 from the configurable items.
The levels on the left side should be colored.

Level 1: blue
Level 2: red
Level 3: gray
Level 4: yellow
Level 5: green
Level 6: brown
Level 7: white
Level 8: black

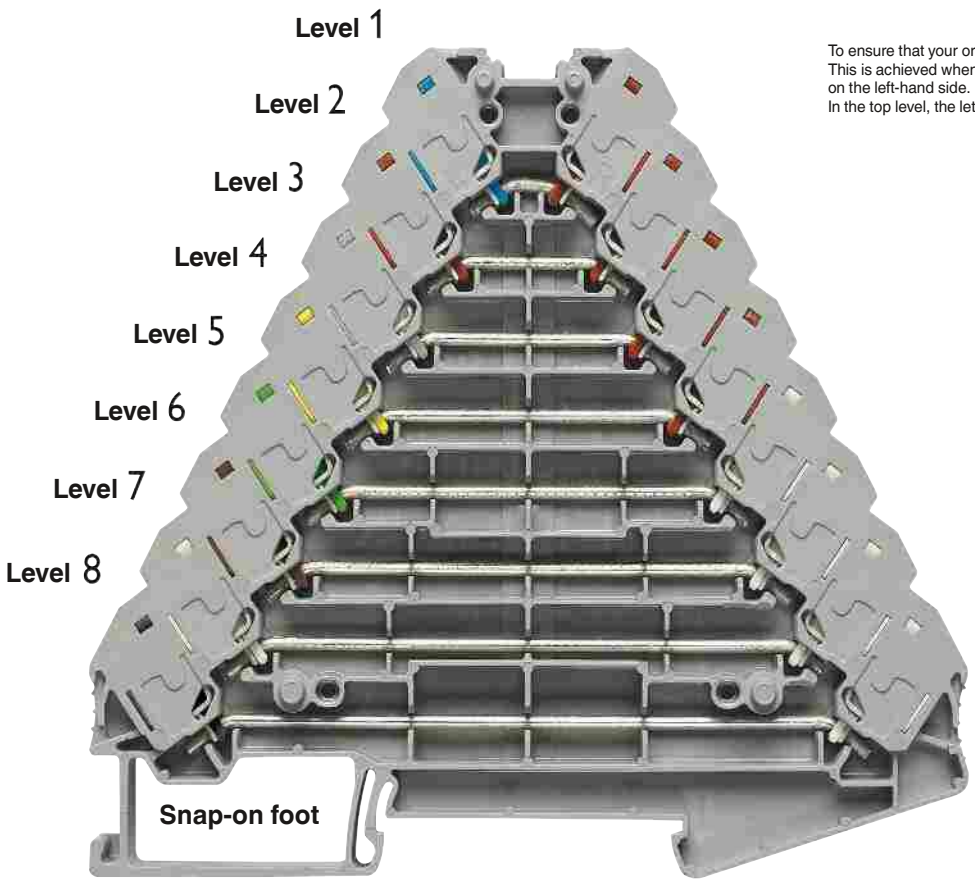
Specify the color sequence when ordering, as illustrated below in the ordering example.

Available colors:

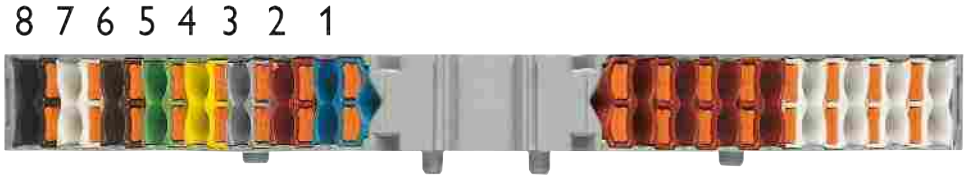
BU	Blue
RD	Red
GY	Gray
YE	Yellow
GN	Green
BN	Brown
WH	White
BK	Black
VT	Purple
OG	Orange
PK	Pink

The order data for this ordering example is therefore:

Order No.	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6	Level 7	Level 8
3001851	BU	RD	GY	YE	GN	BN	WH	BK

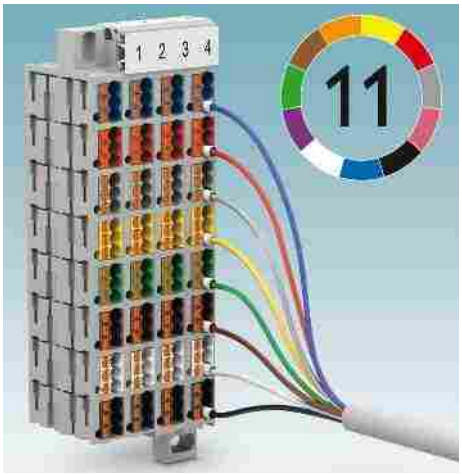


To ensure that your order is correct, you need a defined view. This is achieved when the snap-on foot in the top view is located on the left-hand side.
In the top level, the letter L is visible on the left-hand side.



Marshalling patchboards, for self-assembly

The modular design allows the exact number of positions to be configured for a specific application. Up to 20% increase in signal density due to the compact design.
– The elements snap in easily and securely
– The construction is made up of blocks, making it extremely stable and warp resistant



Freely configurable color assignment for conductors and terminal points, enabling intuitive and safe installation. Terminal point coding with 11 colors to choose from.

Optional snap-on adapters enable easy mounting on standard DIN rails. Adapters can be directly mounted on panel cutouts or 19" racks.

DF-PTMC-3 -ZB snap-on marker adapters for side mounting are available for matrix marking.

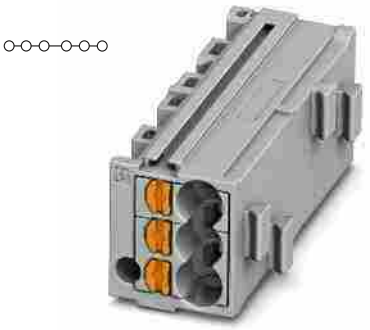
Notes:

[1]) Derating curve available on request.

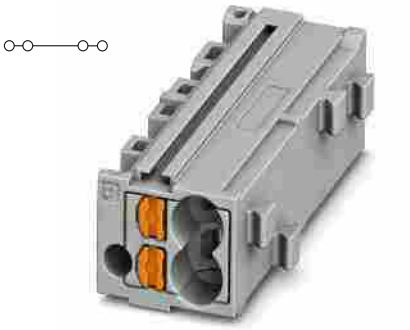
Dimensions	
	[mm]
Maximum electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
Connection cross sections directly plug-in	[mm²]

Description	Color
Marshalling patchboard, single element, gray chamber	gray
Chambers: white	gray
Chambers: blue	gray
Chambers: red	gray
Chambers: green	gray
Chambers: brown	gray
Chambers: black	gray
Chambers: violet	gray
Chambers: orange	gray
Chambers: yellow	gray
Chambers: pink	gray
Marshalling patchboard, without actuation lever, single element, gray chamber	gray
Chambers: white	gray
Chambers: blue	gray
Chambers: red	gray
Chambers: green	gray
Chambers: brown	gray
Chambers: black	gray
Chambers: violet	gray
Chambers: orange	gray
Chambers: yellow	gray
Chambers: pink	gray

Cover flange, for direct mounting above	gray
Cover flange, for direct mounting below	gray
Adapter, for mounting on a DIN rail	gray
Marker adapter, for direct mounting above and to hold marking	gray
Marker adapter, for holding the marking, width 12.2 mm	gray
width 8.5 mm	gray
Test plug metal part, 2.3 mm Ø	gray
Insulating sleeve, for MPS metal part	red
Marking	



24 A, single element, 6 connections



24 A, single element, 4 connections

EAC

Technical data

Width	Length	Height	
11	**12.2**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[1])	**500**	**0.14 - 2.5**	**24-16**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
17.5[1]) / -	10	10 / -	-
26 - 14	24-16	24-16	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	-	0.34 - 1.5	0.34 - 1.5

Ordering data

Type	Order No.	Pcs./Pkt.
PTMC 1,5-3 /GY	3270300	10
PTMC 1,5-3 /WH	3270301	10
PTMC 1,5-3 /BU	3270420	10
PTMC 1,5-3 /RD	3270421	10
PTMC 1,5-3 /GN	3270422	10
PTMC 1,5-3 /BN	3270423	10
PTMC 1,5-3 /BK	3270424	10
PTMC 1,5-3 /VT	3270425	10
PTMC 1,5-3 /OG	3270426	10
PTMC 1,5-3 /YE	3270427	10
PTMC 1,5-3 /PK	3270428	10
FTMC 1,5-3 /GY	3270340	10
FTMC 1,5-3 /WH	3270341	10
FTMC 1,5-3 /BU	3270440	10
FTMC 1,5-3 /RD	3270441	10
FTMC 1,5-3 /GN	3270442	10
FTMC 1,5-3 /BN	3270443	10
FTMC 1,5-3 /BK	3270444	10
FTMC 1,5-3 /VT	3270445	10
FTMC 1,5-3 /OG	3270446	10
FTMC 1,5-3 /YE	3270447	10
FTMC 1,5-3 /PK	3270448	10

Accessories

DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10
DF-PTMC-3-ZB	3270405	10
MPS-MT	0201744	10
MPS-IH RD	0201676	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)

EAC

Technical data

Width	Length	Height	
11	**8.6**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[1])	**500**	**0.14 - 2.5**	**24-16**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
17.5[1]) / -	10	10 / -	-
26 - 14	24-16	24-16	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	-	0.34 - 1.5	0.34 - 1.5

Ordering data

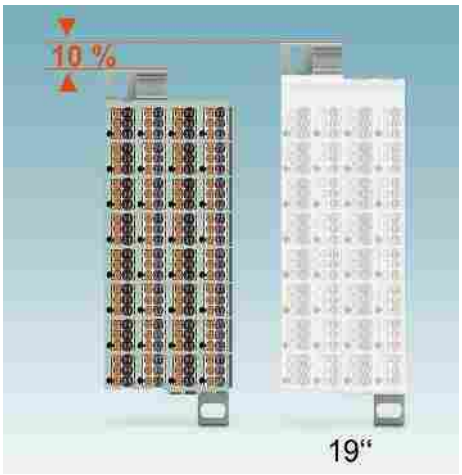
Type	Order No.	Pcs./Pkt.
PTMC 1,5-2 /GY	3270302	10
PTMC 1,5-2 /WH	3270303	10
PTMC 1,5-2 /BU	3270430	10
PTMC 1,5-2 /RD	3270431	10
PTMC 1,5-2 /GN	3270432	10
PTMC 1,5-2 /BN	3270433	10
PTMC 1,5-2 /BK	3270434	10
PTMC 1,5-2 /VT	3270435	10
PTMC 1,5-2 /OG	3270436	10
PTMC 1,5-2 /YE	3270437	10
PTMC 1,5-2 /PK	3270438	10
FTMC 1,5-2 /GY	3270342	10
FTMC 1,5-2 /WH	3270343	10
FTMC 1,5-2 /BU	3270450	10
FTMC 1,5-2 /RD	3270451	10
FTMC 1,5-2 /GN	3270452	10
FTMC 1,5-2 /BN	3270453	10
FTMC 1,5-2 /BK	3270454	10
FTMC 1,5-2 /VT	3270455	10
FTMC 1,5-2 /OG	3270456	10
FTMC 1,5-2 /YE	3270457	10
FTMC 1,5-2 /PK	3270458	10

Accessories

DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10
DF-PTMC-2-ZB	3270406	10
MPS-MT	0201744	10
MPS-IH RD	0201676	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)

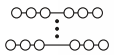
Marshalling patchboards, pre-assembled with six connections per element



- Compact design that requires less space than 19" standard versions
- Easy and tool-free wiring, thanks to Push-in connection
- Six conductors up to 2.5 mm² can be connected to one potential by means of the three conductor connections
- Large-surface marking options
- Convenient testing by means of freely accessible 2.3 mm test connections
- Optimum overview thanks to numbered marshalling patchboard elements
- Blue marshalling patchboards for use in Ex i safety circuits
- FTMC versions are available without actuation lever

Notes:

[1]) Derating curve available on request.



24 A, 32-pos., 192 connections

EAC

Technical data

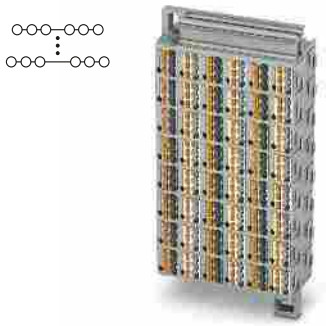
Dimensions				
	[mm]	Width	Length	Height
		44	**102**	**30**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24[1])	**500**	**0.14 - 2.5 / 24-16**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	300	300 / -
Nominal current / cross section	[A] / [mm²]	17.5[1]) / -	10	10 / -
Cross section range	AWG	26 - 14	24-16	24-16 / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Connection cross sections directly plug-in	[mm²]	0.34 - 2.5	-	0.34 - 1.5 / 0.34 - 1.5

Ordering data

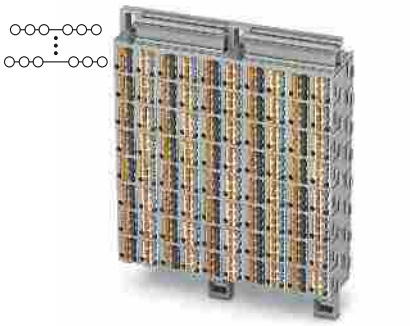
Description	Color	Type	Order No.	Pcs./Pkt.
Marshalling patchboard, 32-pos., chambers: gray/white	gray	**PTMC 1,5/32-3**	3270310	18
Chambers: blue	gray	**PTMC 1,5/32-3 /BU**	3270312	18
Marshalling patchboard, 48-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, 80-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, without actuation lever, 32-pos., chambers: gray/white	gray	**FTMC 1,5/32-3**	3270350	18
Chambers: blue	gray	**FTMC 1,5/32-3 /BU**	3270352	18
Marshalling patchboard, without actuation lever, 48-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, without actuation lever, 80-pos., chambers: gray/white	gray			
Chambers: blue	gray			

Accessories

Cover flange, for direct mounting above	gray	**DF-PTMC-O**	3270400	10
Cover flange, for direct mounting below	gray	**DF-PTMC-U**	3270401	10
Adapter, for mounting on a DIN rail	gray	**DF-PTMC-NS**	3270403	10
Marker adapter, for direct mounting above and to hold marking	gray	**DF-PTMC-ZB**	3270410	10
Marker adapter, for holding the marking, width 12.2 mm	gray	**DF-PTMC-3-ZB**	3270405	10
Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Marking		**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)**		



24 A, 48-pos., 288 connections



24 A, 80-pos., 480 connections

EAC

Technical data

Width	Length	Height	
66	**102**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[1])	**500**	**0.14 - 2.5**	**24-16**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
17.5[1]) / -	10	10 / -	-
26 - 14	24-16	24-16	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	-	0.34 - 1.5	0.34 - 1.5

Ordering data

Type	Order No.	Pcs./Pkt.
PTMC 1,5/48-3	3270318	10
PTMC 1,5/48-3 /BU	3270320	10
FTMC 1,5/48-3	3270358	10
FTMC 1,5/48-3 /BU	3270360	10

Accessories

DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10
DF-PTMC-3-ZB	3270405	10
MPS-MT	0201744	10
MPS-IH RD	0201676	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)

EAC

Technical data

Width	Length	Height	
110	**102**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[1])	**500**	**0.14 - 2.5**	**24-16**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
17.5[1]) / -	10	10 / -	-
26 - 14	24-16	24-16	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	-	0.34 - 1.5	0.34 - 1.5

Ordering data

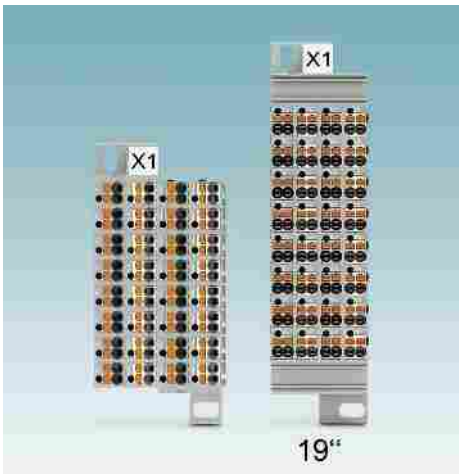
Type	Order No.	Pcs./Pkt.
PTMC 1,5/80-3	3270324	6
PTMC 1,5/80-3 /BU	3270326	6
FTMC 1,5/80-3	3270364	6
FTMC 1,5/80-3 /BU	3270366	6

Accessories

DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10
DF-PTMC-3-ZB	3270405	10
MPS-MT	0201744	10
MPS-IH RD	0201676	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)

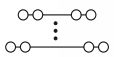
Marshalling patchboards, pre-assembled with four connections per element



- Maximum signal density with 20% less space required than 19" standard versions
- Easy and tool-free wiring thanks to Push-in connection
- Six conductors up to 2.5 mm² can be connected to one potential by means of the three conductor connections
- Large-surface marking options
- Convenient testing by means of freely accessible 2.3 mm test connections
- Optimum overview thanks to numbered marshalling patchboard elements
- Blue marshalling patchboards for use in Ex i safety circuits
- FTMC versions are available without actuation lever

Notes:

[1]) Derating curve available on request.



24 A, 32-pos., 128 connections

EAC

Technical data

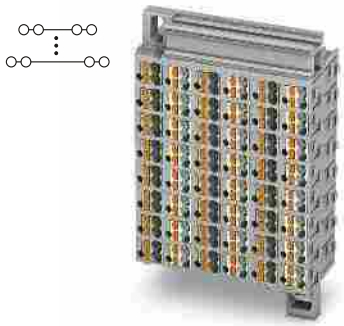
Dimensions					
	[mm]	Width	Length	Height	
		44	**73.2**	**30**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[1])	**500**	**0.14 - 2.5**	**24-16**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-
Nominal current / cross section	[A] / [mm²]	17.5[1]) / -	10	10 / -	-
Cross section range	AWG	26 - 14	24-16	24-16	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Connection cross sections directly plug-in	[mm²]	0.34 - 2.5	-	0.34 - 1.5	0.34 - 1.5

Ordering data

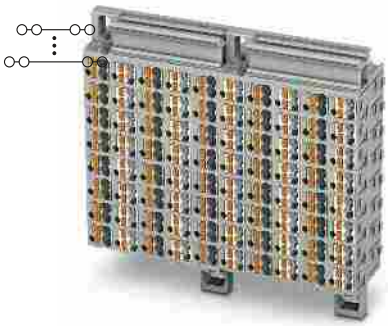
Description	Color	Type	Order No.	Pcs./Pkt.
Marshalling patchboard, 32-pos., chambers: gray/white	gray	**PTMC 1,5/32-2**	3270314	18
Chambers: blue	gray	**PTMC 1,5/32-2 /BU**	3270315	18
Marshalling patchboard, 48-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, 80-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, without actuation lever, 32-pos., chambers: gray/white	gray	**FTMC 1,5/32-2**	3270354	18
Chambers: blue	gray	**FTMC 1,5/32-2 /BU**	3270355	18
Marshalling patchboard, without actuation lever, 48-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, without actuation lever, 80-pos., chambers: gray/white	gray			
Chambers: blue	gray			

Accessories

Cover flange, for direct mounting above	gray	**DF-PTMC-O**	3270400	10
Cover flange, for direct mounting below	gray	**DF-PTMC-U**	3270401	10
Adapter, for mounting on a DIN rail	gray	**DF-PTMC-NS**	3270403	10
Marker adapter, for direct mounting above and to hold marking	gray	**DF-PTMC-ZB**	3270410	10
Marker adapter, for holding the marking, width 8.5 mm	gray	**DF-PTMC-2-ZB**	3270406	10
Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Marking		**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)**		



24 A, 48-pos., 192 connections



24 A, 80-pos., 320 connections

EAC

Technical data

Width	Length	Height	
66	**73.2**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[1])	**500**	**0.14 - 2.5**	**24-16**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
17.5[1]) / -	10	10 / -	-
26 - 14	24-16	24-16	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	-	0.34 - 1.5	0.34 - 1.5

Ordering data

Type	Order No.	Pcs./Pkt.
PTMC 1,5/48-2	3270322	10
PTMC 1,5/48-2 /BU	3270323	10
FTMC 1,5/48-2	3270362	10
FTMC 1,5/48-2 /BU	3270363	10

Accessories

DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10
DF-PTMC-2-ZB	3270406	10
MPS-MT	0201744	10
MPS-IH RD	0201676	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)

EAC

Technical data

Width	Length	Height	
110	**73.2**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[1])	**500**	**0.14 - 2.5**	**24-16**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
17.5[1]) / -	10	10 / -	-
26 - 14	24-16	24-16	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	-	0.34 - 1.5	0.34 - 1.5

Ordering data

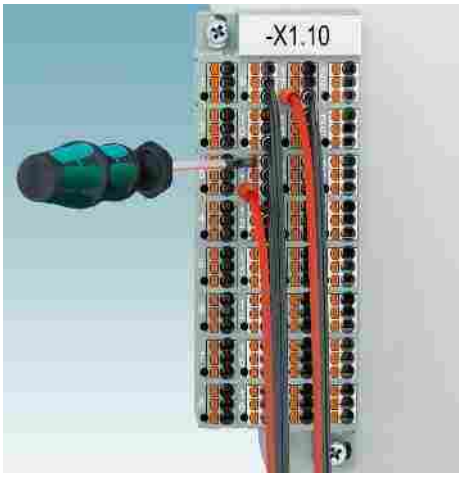
Type	Order No.	Pcs./Pkt.
PTMC 1,5/80-2	3270329	6
PTMC 1,5/80-2 /BU	3270330	6
FTMC 1,5/80-2	3270368	6
FTMC 1,5/80-2 /BU	3270369	6

Accessories

DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10
DF-PTMC-2-ZB	3270406	10
MPS-MT	0201744	10
MPS-IH RD	0201676	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)

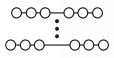
Marshalling patchboards for 19", six connections per element



- Size in accordance with standard DIN EN 60297-3-101 for 19" housing
- Easy and tool-free wiring thanks to Push-in connection
- Six conductors up to 2.5 mm² can be connected to one potential by means of the three conductor connections
- Large-surface marking options
- Convenient testing by means of freely accessible 2.3 mm test connections
- Optimum overview thanks to numbered marshalling patchboard elements
- Blue marshalling patchboards for use in Ex i safety circuits
- FTMC versions are available without actuation lever

Notes:

[1]) Derating curve available on request.



24 A, 32-pos., 192 connections, 6 connections per element

Technical data

Dimensions				
	[mm]	Width	Length	Height
		44	**111**	**30**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24[1])	**500**	**0.14 - 2.5 / 24-16**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	300	300 / -
Nominal current / cross section	[A] / [mm²]	17.5[1]) / -	10	10 / -
Cross section range	AWG	26 - 14	24-16	24-16 / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Connection cross sections directly plug-in	[mm²]	0.34 - 2.5	-	0.34 - 1.5 / 0.34 - 1.5

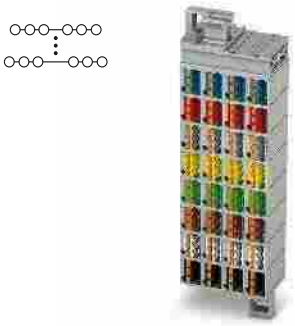
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marshalling patchboard, 32-pos., chambers: gray/white	gray	**PTMC 1,5/32-3 19Z**	3270311	18
Chambers: blue	gray	**PTMC 1,5/32-3 /BU 19Z**	3270313	18
Marshalling patchboard, 32-pos., colors of individual elements comply with color code VDE 0815	gray			
Marshalling patchboard, 48-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, 80-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, without actuation lever, 32-pos., chambers: gray/white	gray	**FTMC 1,5/32-3 19Z**	3270351	18
Chambers: blue	gray	**FTMC 1,5/32-3 /BU 19Z**	3270353	18
Marshalling patchboard, without actuation lever, 48-pos., chambers: gray/white	gray			
Chambers: blue	gray			
Marshalling patchboard, without actuation lever, 80-pos., chambers: gray/white	gray			
	gray			

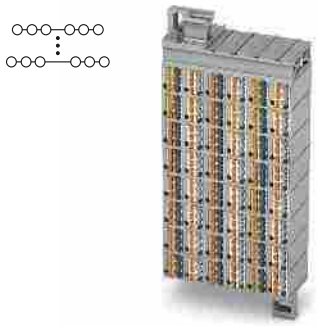
Accessories

Cover flange, for direct mounting above	gray	**DF-PTMC-O**	3270400	10
Cover flange, for direct mounting below	gray	**DF-PTMC-U**	3270401	10
Adapter, for mounting on a DIN rail	gray	**DF-PTMC-NS**	3270403	10
Marker adapter, for direct mounting above and to hold marking	gray	**DF-PTMC-ZB**	3270410	10

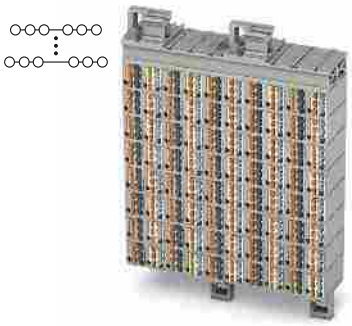
Marking	**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)**



24 A, 32-pos., 192 connections, 6 connections per element



24 A, 48-pos., 288 connections, 6 connections per element



24 A, 80-pos., 480 connections, 6 connections per element

EAC

Technical data

Width	Length	Height	
44	**111**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**500**	**0.14 - 2.5**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
17.5 / -	-	-	-
26 - 14	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	-	0.34 - 1.5	0.34 - 1.5

Ordering data

Type	Order No.	Pcs./Pkt.
PTMC 1,5/32-3 VDE0815 19Z	3270394	18
FTMC 1,5/48-3 19Z	3270359	10
FTMC 1,5/48-3 /BU 19Z	3270361	10

Accessories

DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)

EAC

Technical data

Width	Length	Height	
66	**111**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[1])	**500**	**0.14 - 2.5**	**24-16**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
17.5[1]) / -	10	10 / -	-
26 - 14	24-16	24-16	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	-	0.34 - 1.5	0.34 - 1.5

Ordering data

Type	Order No.	Pcs./Pkt.
PTMC 1,5/48-3 19Z	3270319	10
PTMC 1,5/48-3 /BU 19Z	3270321	10
FTMC 1,5/48-3 19Z	3270359	10
FTMC 1,5/48-3 /BU 19Z	3270361	10

Accessories

DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)

EAC

Technical data

Width	Length	Height	
110	**111**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[1])	**500**	**0.14 - 2.5**	**24-16**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
17.5[1]) / -	10	10 / -	-
26 - 14	24-16	24-16	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	-	0.34 - 1.5	0.34 - 1.5

Ordering data

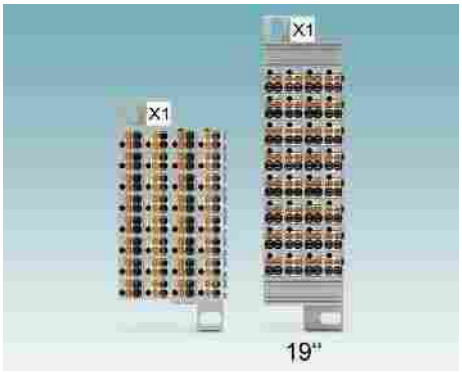
Type	Order No.	Pcs./Pkt.
PTMC 1,5/80-3 19Z	3270325	6
PTMC 1,5/80-3 /BU 19Z	3270327	6
FTMC 1,5/80-3 19Z	3270365	6
FTMC 1,5/80-3 /BU 19Z	3270367	6

Accessories

DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)

Marshalling patchboards for 19", six connections per element

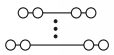


PTMC 1,5/32-2H 19Z version with compact overall width of 34.4 mm and four connections per element

– Easy and tool-free wiring thanks to Push-in connection
– Convenient testing by means of freely accessible 2.3 mm test connections
– Optimum overview thanks to numbered marshalling patchboard elements
– Blue marshalling patchboards for use in Ex i safety circuits
– FTMC versions are available without actuation lever

Notes:

[1]) Derating curve available on request.



24 A, 32-pos., 128 connections

EAC

Technical data

Dimensions		Width	Length	Height	
	[mm]	**34.4**	**111**	**30**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[1])	**500**	**0.14 - 2.5**	**24-16**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-
Nominal current / cross section	[A] / [mm²]	17.5[1]) / -	10	10 / -	-
Cross section range	AWG	26 - 14	24-16	24-16	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Connection cross sections directly plug-in	[mm²]	0.34 - 2.5	-	0.34 - 1.5	0.34 - 1.5

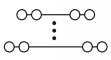
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marshalling patchboard, 32-pos., four connections per chamber, chambers: gray/white	gray	**PTMC 1,5/32-2H 19Z**	3270316	24
Chambers: blue	gray	**PTMC 1,5/32-2H /BU 19Z**	3270317	24
marked A - H	gray	**PTMC 1,5/32-2H 19Z A-H**	3270392	24
Marshalling patchboard, 32-pos, four connections per chamber, marking 1 - 32, chambers: colors of individual elements comply with color code VDE 0815	gray			
Marshalling patchboard, 32-pos, four connections per chamber, marking A - H, chambers: colors of individual elements comply with color code VDE 0815	gray			
Marshalling patchboard, 32-pos., four connections per chamber, without actuation lever, chambers: gray/white	gray	**FTMC 1,5/32-2H 19Z**	3270356	24
Chambers: blue	gray	**FTMC 1,5/32-2H /BU 19Z**	3270357	24

Accessories

Cover flange, for direct mounting above	gray	**DF-PTMC-O**	3270400	10
Cover flange, for direct mounting below	gray	**DF-PTMC-U**	3270401	10
Adapter, for mounting on a DIN rail	gray	**DF-PTMC-NS**	3270403	10
Marker adapter, for direct mounting above and to hold marking	gray	**DF-PTMC-ZB**	3270410	10

Marking	UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)



24 A, 32-pos., 128 connections

EAC

Technical data

Width	Length	Height	
34.4	**111**	**30**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[1])	**500**	**0.14 - 2.5**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
17.5[1]) / -	-	-	-
26 - 14	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
0.34 - 2.5	-	0.34 - 1.5	0.34 - 1.5

Ordering data

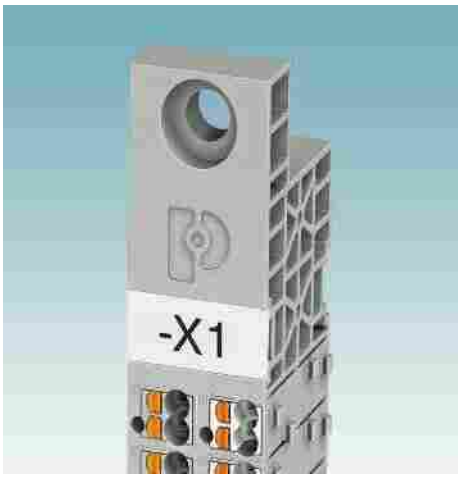
Type	Order No.	Pcs./Pkt.
PTMC 1,5/32-2H VDE0815 19Z	3270395	24
PTMC 1,5/32-2H VDE0815 19Z A-H	3270393	24

Accessories

DF-PTMC-O	3270400	10
DF-PTMC-U	3270401	10
DF-PTMC-NS	3270403	10
DF-PTMC-ZB	3270410	10

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)

Marshalling patchboards



Special 18-bit marshalling patchboard for transportation technology

- Compact overall width of just 22 mm and four connections per element
- Special fastening adapter for easy wall mounting
- Easy and tool-free wiring thanks to Push-in connection
- Convenient testing by means of freely accessible 2.3 mm test connections
- Optimum overview thanks to numbered marshalling patchboard elements

24 A, 18-pos., 72 connections, 2 connections per element

Technical data

Dimensions				
	[mm]	Width	Length	Height
		22	**131**	**30**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**500**	**0.14 - 2.5**	**24-16**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-
Nominal current / cross section	[A] / [mm²]	17.5 / -	10	10 / -	-
Cross section range	AWG	26 - 14	24-16	24-16	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Connection cross sections directly plug-in	[mm²]	0.34 - 2.5	-	-	-

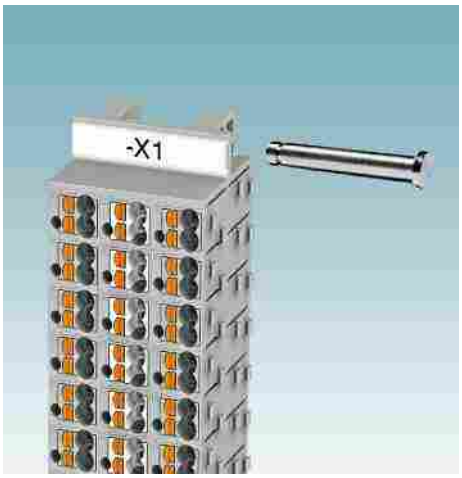
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marshalling patchboard, 18-pos., chambers: gray/white	gray	**PTMC 1,5/18**	3270390	8

Accessories

Cover flange, for direct mounting above	gray	**DF-PTMC-O**	3270400	10
Cover flange, for direct mounting below	gray	**DF-PTMC-U**	3270401	10
Adapter, for mounting on a DIN rail	gray	**DF-PTMC-NS**	3270403	10
Marker adapter, for direct mounting above and to hold marking	gray	**DF-PTMC-ZB**	3270410	10
Marking		**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)**		

Marshalling patchboards



Special 54-bit marshalling patchboard for transportation technology

- Compact overall width of just 33 mm and four connections per element
- Special fastening adapter for bolt mounting
- Easy and tool-free wiring thanks to Push-in connection
- Convenient testing by means of freely accessible 2.3 mm test connections
- Optimum overview thanks to numbered marshalling patchboard elements

24 A, 54-pos., 204 connections, 2 connections per element

Technical data

Dimensions				
	[mm]	Width	Length	Height
		33	**157.4**	**30**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	**500**	**0.14 - 2.5** / **24-16**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	300	300 / -
Nominal current / cross section	[A] / [mm²]	17.5 / -	10	10 / -
Cross section range	AWG	26 - 14	24-16	24-16 / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5 / 0.14 - 1.5
Connection cross sections directly plug-in	[mm²]	0.34 - 2.5	-	- / -

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Marshalling patchboard, 54-pos., chambers: gray/white	gray	**PTMC 1,5/54**	3270391	15

Accessories

Cover flange, for direct mounting above	gray	**DF-PTMC-O**	3270400	10
Cover flange, for direct mounting below	gray	**DF-PTMC-U**	3270401	10
Adapter, for mounting on a DIN rail	gray	**DF-PTMC-NS**	3270403	10
Marker adapter, for direct mounting above and to hold marking	gray	**DF-PTMC-ZB**	3270410	10
Marking		**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)**		

1.5 mm² PT Push-in connection terminal blocks

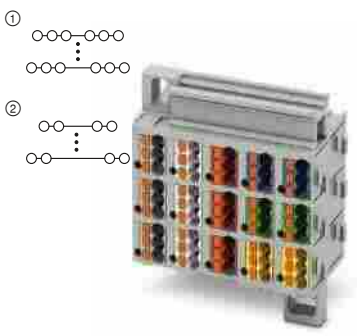
Marshalling patchboards for free assembly

- The marshalling patchboards can be easily configured and ordered with just a click of the mouse in the product area on our website at phoenixcontact.net/products
- To order via fax or e-mail, please use the ordering example on the following page

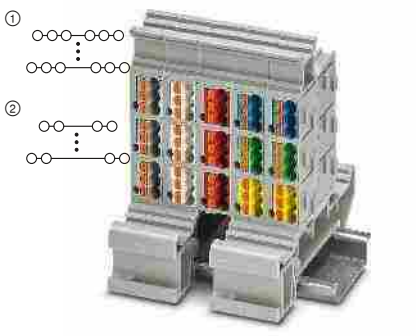
Notes:

1) For additional accessories and technical data, see page 38.

2) Derating curve available on request.



22 A, direct mounting



22 A, DIN rail mounting

EAC

EAC

Technical data[1]				
Dimensions	Width	Length	Height	
[mm]	-	30	16.6	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	22[2]	500	0.14 - 2.5	24-16
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	300	300	-
Nominal current / cross section [A] / [mm²]	10[2]) / 1.5	10 / -	10 / -	- / -
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Connection cross sections directly plug-in [mm²]	0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5

Technical data[1]				
Width	Length	Height		
-	63	26.2 (NS 35/7,5)		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
22[2]	500	0.14 - 2.5	24-16	
IEC	UL / CUL	CSA	Ex	
500	300	300	-	
10[2]) / 1.5	10 / -	10 / -	- / -	
Rigid	Flexible	Ferrule without/with plastic sleeve		
0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	
0.34 - 2.5	0.34 - 1.5	0.34 - 1.5	0.34 - 1.5	

Description	Color	Ordering data Type		Order No.	Pcs./Pkt.
Marshalling patchboard, 3 connections, 1-row	gray	PTMC 1,5 /1-3 -DF	①	3001929	1
2-row	gray	PTMC 1,5 /2-3 -DF	①	3001930	1
3-row	gray	PTMC 1,5 /3-3 -DF	①	3001931	1
4-row	gray	PTMC 1,5 /4-3 -DF	①	3001932	1
5-row	gray	PTMC 1,5 /5-3 -DF	①	3001933	1
6-row	gray	PTMC 1,5 /6-3 -DF	①	3001934	1
7-row	gray	PTMC 1,5 /7-3 -DF	①	3001935	1
8-row	gray	PTMC 1,5 /8-3 -DF	①	3001936	1
Marshalling patchboard, 2 connections, 1-row	gray	PTMC 1,5 /1-2 -DF	②	3001937	1
2-row	gray	PTMC 1,5 /2-2 -DF	②	3001940	1
3-row	gray	PTMC 1,5 /3-2 -DF	②	3001942	1
4-row	gray	PTMC 1,5 /4-2 -DF	②	3001943	1
5-row	gray	PTMC 1,5 /5-2 -DF	②	3001944	1
6-row	gray	PTMC 1,5 /6-2 -DF	②	3001945	1
7-row	gray	PTMC 1,5 /7-2 -DF	②	3001946	1
8-row	gray	PTMC 1,5 /8-2 -DF	②	3001947	1
Marshalling patchboard, without actuation lever, 3 connections, 1-row	gray	FTMC 1,5 /1-3 -DF	①	3001975	1
2-row	gray	FTMC 1,5 /2-3 -DF	①	3001976	1
3-row	gray	FTMC 1,5 /3-3 -DF	①	3001977	1
4-row	gray	FTMC 1,5 /4-3 -DF	①	3001978	1
5-row	gray	FTMC 1,5 /5-3 -DF	①	3001979	1
6-row	gray	FTMC 1,5 /6-3 -DF	①	3001980	1
7-row	gray	FTMC 1,5 /7-3 -DF	①	3001981	1
8-row	gray	FTMC 1,5 /8-3 -DF	①	3001982	1
Marshalling patchboard, without actuation lever, 2 connections, 1-row	gray	FTMC 1,5 /1-2 -DF	②	3001984	1
2-row	gray	FTMC 1,5 /2-2 -DF	②	3001985	1
3-row	gray	FTMC 1,5 /3-2 -DF	②	3001986	1
4-row	gray	FTMC 1,5 /4-2 -DF	②	3001987	1
5-row	gray	FTMC 1,5 /5-2 -DF	②	3001988	1
6-row	gray	FTMC 1,5 /6-2 -DF	②	3001989	1
7-row	gray	FTMC 1,5 /7-2 -DF	②	3001990	1
8-row	gray	FTMC 1,5 /8-2 -DF	②	3001991	1

Ordering data Type		Order No.	Pcs./Pkt.
PTMC 1,5 /1-3 -NS	①	3001905	1
PTMC 1,5 /2-3 -NS	①	3001906	1
PTMC 1,5 /3-3 -NS	①	3001907	1
PTMC 1,5 /4-3 -NS	①	3001908	1
PTMC 1,5 /5-3 -NS	①	3001910	1
PTMC 1,5 /6-3 -NS	①	3001911	1
PTMC 1,5 /7-3 -NS	①	3001913	1
PTMC 1,5 /8-3 -NS	①	3001914	1
PTMC 1,5 /1-2 -NS	②	3001915	1
PTMC 1,5 /2-2 -NS	②	3001916	1
PTMC 1,5 /3-2 -NS	②	3001917	1
PTMC 1,5 /4-2 -NS	②	3001918	1
PTMC 1,5 /5-2 -NS	②	3001919	1
PTMC 1,5 /6-2 -NS	②	3001920	1
PTMC 1,5 /7-2 -NS	②	3001921	1
PTMC 1,5 /8-2 -NS	②	3001922	1
FTMC 1,5 /1-3-NS	①	3001957	1
FTMC 1,5 /2-3-NS	①	3001958	1
FTMC 1,5 /3-3-NS	①	3001959	1
FTMC 1,5 /4-3-NS	①	3001960	1
FTMC 1,5 /5-3-NS	①	3001961	1
FTMC 1,5 /6-3-NS	①	3001962	1
FTMC 1,5 /7-3-NS	①	3001963	1
FTMC 1,5 /8-3-NS	①	3001964	1
FTMC 1,5 /1-2-NS	②	3001965	1
FTMC 1,5 /2-2-NS	②	3001966	1
FTMC 1,5 /3-2-NS	②	3001968	1
FTMC 1,5 /4-2-NS	②	3001969	1
FTMC 1,5 /5-2-NS	②	3001971	1
FTMC 1,5 /6-2-NS	②	3001972	1
FTMC 1,5 /7-2-NS	②	3001973	1
FTMC 1,5 /8-2-NS	②	3001974	1

Accessories[1]				
Cover flange, for direct mounting above	gray	DF-PTMC-O	3270400	10
Cover flange, for direct mounting below	gray	DF-PTMC-U	3270401	10
Adapter, for mounting on a DIN rail	gray	DF-PTMC-NS	3270403	10
Marker adapter, for direct mounting above and to hold marking	gray	DF-PTMC-ZB	3270410	10
Marker adapter, for holding the marking, width 12.2 mm	gray	DF-PTMC-3-ZB	3270405	10
width 8.5 mm	gray	DF-PTMC-2-ZB	3270406	10
Marking		UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)		

Accessories[1]			
DF-PTMC-O	3270400	10	
DF-PTMC-U	3270401	10	
DF-PTMC-NS	3270403	10	
DF-PTMC-ZB	3270410	10	
DF-PTMC-3-ZB	3270405	10	
DF-PTMC-2-ZB	3270406	10	
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)			

Ordering example: Configurable marshaling patchboard

Ordering example:

A marshaling patchboard should be configured as follows:

Push button, screw fixing of marshaling patchboard, three connections per individual element.
Four rows in the X direction and ten columns in the Y direction.

Please select order number 3001932 from the configurable items.
In the order designation, the 4 means -> four rows in the X direction
In the order designation, the 3 means -> three connections

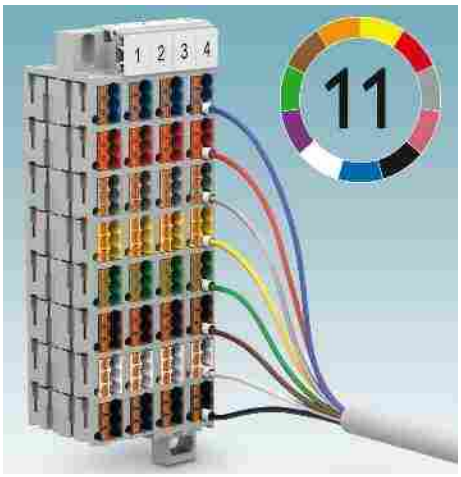
Row 1: blue
Row 2: red
Row 3: gray
Row 4: yellow

Only rows of the same color are viable in the X direction.
Please state the number of columns when ordering. A minimum of 2 columns and a maximum of 20 columns can be ordered.

Please order marker adapter, DF-PTMC-ZB Order No. 3270410, as an accessory.

Available colors:

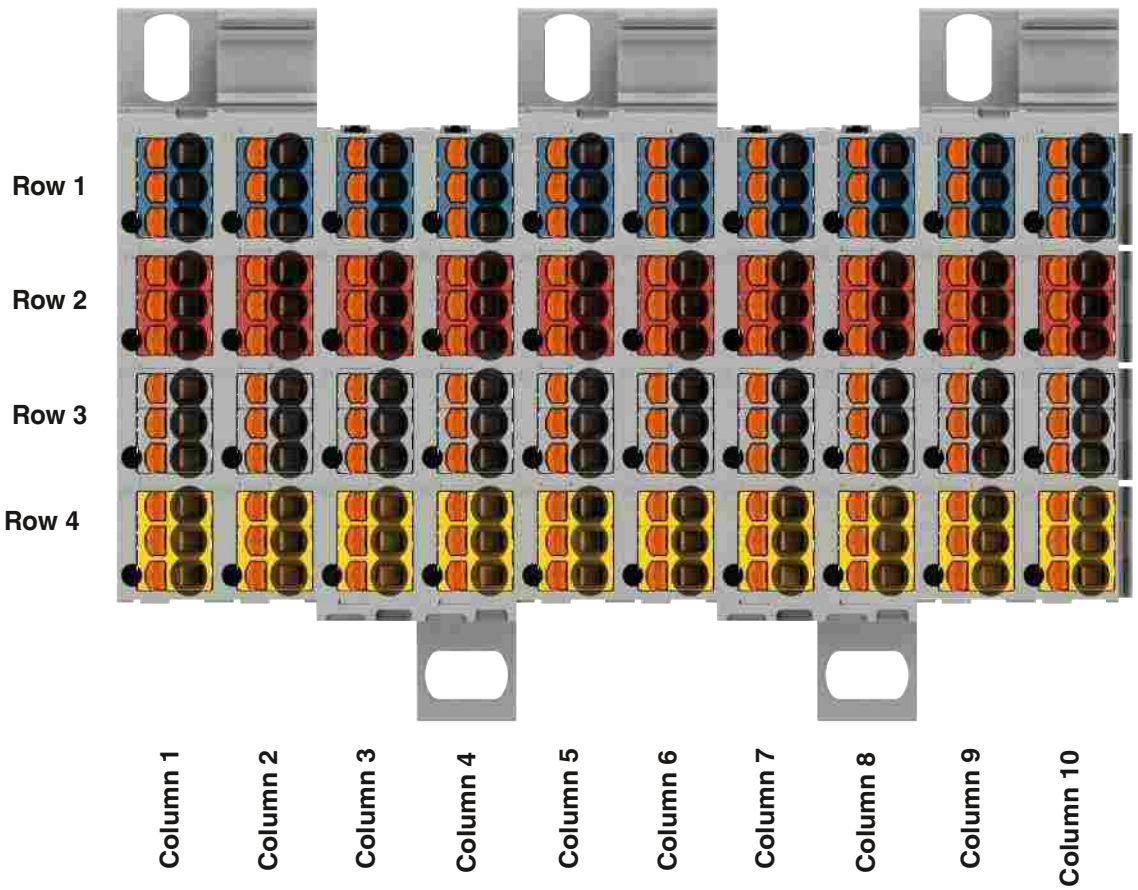
BU	Blue
RD	Red
GY	Gray
YE	Yellow
GN	Green
BN	Brown
WH	White
BK	Black
VT	Purple
OG	Orange
PK	Pink



The order data for this ordering example is therefore:

Order No.	Columns	Row 1	Row 2	Row 3	Row 4
3001932	10	BU	RD	GY	YE

Fixing material for panel or DIN rail mounting will be supplied in sufficient quantities.



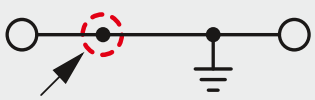
2.5 mm² PT Push-in connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	2.5			
Cross section range	AWG	26 - 12			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5
Connection cross sections directly plug-in	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



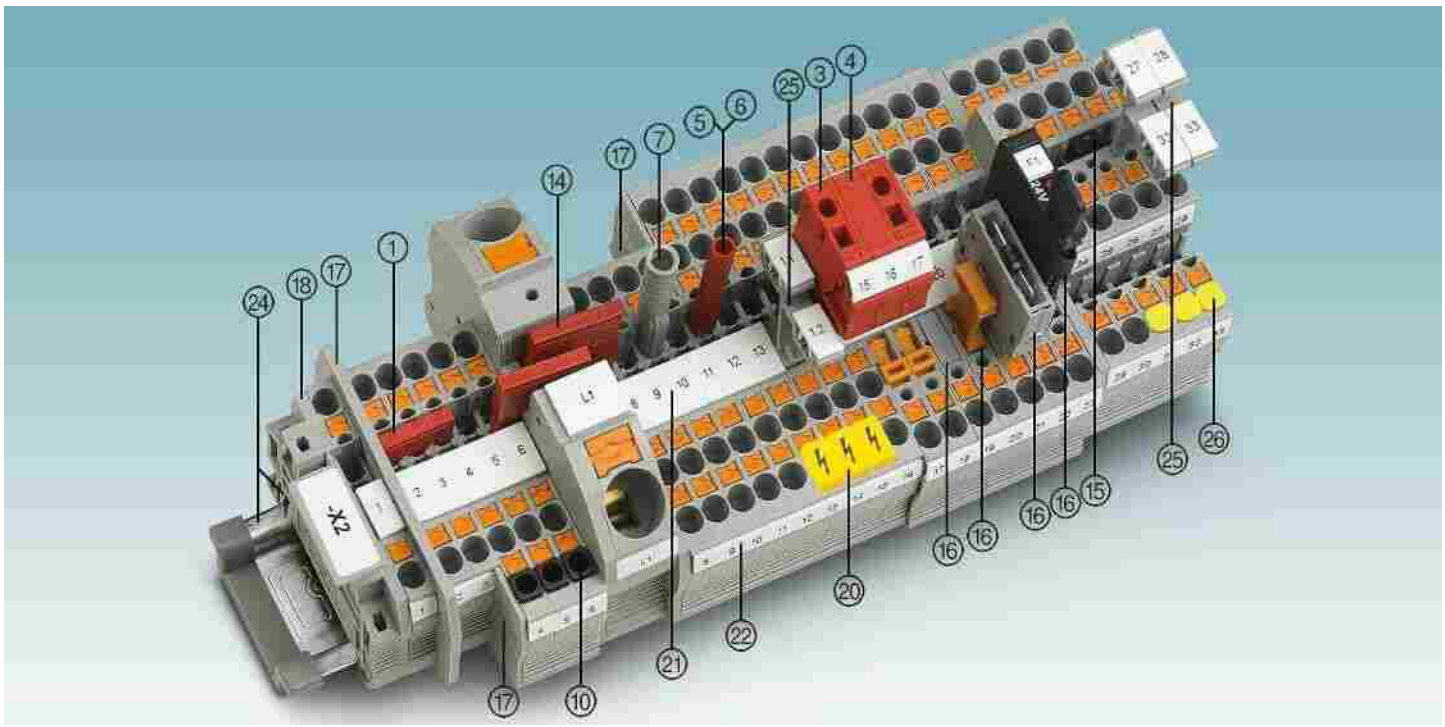
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-5**	3030161	50	**FBSR 2-5**	3033702	50
	3	red	**FBS 3-5**	3030174	50	**FBSR 3-5**	3001591	50
	4	red	**FBS 4-5**	3030187	50	**FBSR 4-5**	3001592	50
	5	red	**FBS 5-5**	3030190	50	**FBSR 5-5**	3001593	50
	10	red	**FBS 10-5**	3030213	10	**FBSR 10-5**	3033710	10
	20	red	**FBS 20-5**	3030226	10			
③ **Modular test plug**		red	**PS-5**	3030983	10			
Spacer plate		red	**DP PS-5**	3036725	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Insulating sleeve		white	**ISH 2,5/0,2**	3002843	50			
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**	3002856	50			
0.75 - 1 mm²		black	**ISH 2,5/1,0**	3002869	50			
Screwdriver			**SZF 1-0,6X3,5**	1204517	10			

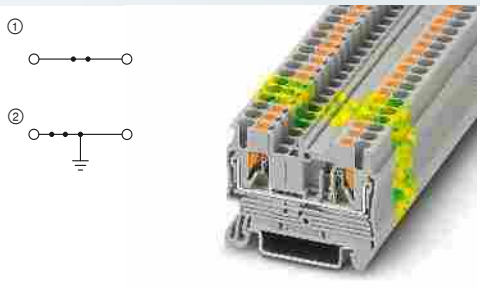
Reducing bridge	**For RB ..., see page 408.**
Vertical potential bridge	**For FBS-PV ..., see page 404.**
Fuse and function plugs for disconnect terminal blocks	**For P-FU ... / P-DI / P-FIX / P-CO ..., see from page 414.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
Marker carrier	**For STP ..., see page 418.**
Cover for conductor shaft	**For CEC ..., see page 421.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.

For information on installation and using accessories for Ex applications, see page 678.



28 A, feed-through terminal block

Ex: EAC Ex
PTB 09ATEX1111U / IECEx PTB 10.0021U

Technical data[1])

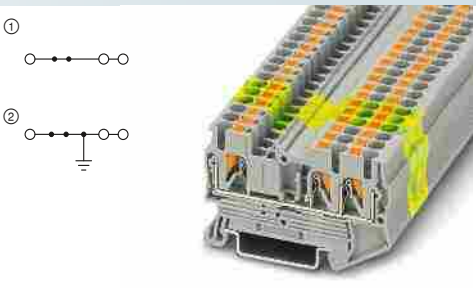
Dimensions				
	[mm]	Width	Length	Height
		5.2	48.5	36.5 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		28	800	0.14 - 4 / 26-12
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / 19 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 2,5**	①	3209510	50
	blue	**PT 2,5 BU**	①	3209523	50
Ground terminal	green-yellow	**PT 2,5-PE**	②	3209536	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-ST 2,5**	3030417	50
Cover, 0.8 mm width	orange	**D-ST 2,5-0,8 OG**	3030511	50



28 A, feed-through terminal block, 3 connections

Ex: EAC Ex
PTB 09ATEX1111U / IECEx PTB 10.0021U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	60.5	36.5 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		28	800	0.14 - 4 / 26-12
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / 19 / 2.5

Ordering data

Type		Order No.	Pcs./Pkt.
PT 2,5-TWIN	①	3209549	50
PT 2,5-TWIN BU	①	3209552	50
PT 2,5-TWIN-PE	②	3209565	50

Accessories[1])

D-ST 2,5-TWIN	3030488	50
D-ST 2,5-TWIN-0,8 OG	3030512	50

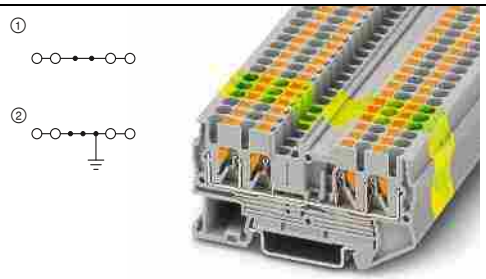
Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.

[2]) The max. load current must not be exceeded by the total current of all connected conductors.

For information on installation and using accessories for Ex applications, see page 678.



28 A, feed-through terminal block, 4 connections

Ex: EAC Ex
PTB 09ATEX1111U / IECEx PTB 10.0021U

Technical data[1])

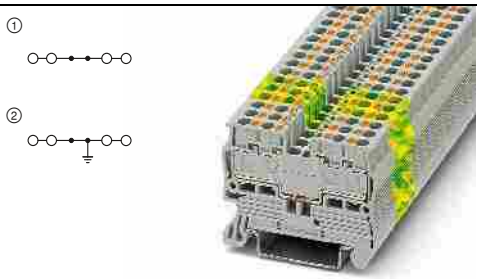
Dimensions					
	[mm]	Width	Length	Height	
		5.2	72.2	36.8 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28[2])	800	0.14 - 4	26-12
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	19 / 2.5
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
Connection cross sections directly plug-in	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 2,5-QUATTRO**	①	3209578	50
	blue	**PT 2,5-QUATTRO BU**	①	3209581	50
Ground terminal	green-yellow	**PT 2,5-QUATTRO-PE**	②	3209594	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-ST 2,5-QUATTRO**	3030514	50
Cover, 0.8 mm width	orange	**D-ST 2,5-QUATTRO-0,8 OG**	3030513	50



24 A, feed-through terminal block, 4 connections

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		5.2	48.6	36.7 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	500	0.14 - 2.5	28-12
Maximum bridge current	[A]	22 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5 / 2.5	20 / -	20 / -	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
Connection cross sections directly plug-in	[mm²]	0.34 - 2.5	-	0.34 - 1.5	0.34 - 1.5

Ordering data

Type		Order No.	Pcs./Pkt.
PT 2,5/S-QUATTRO	①	3211019	50
PT 2,5/S-QUATTRO BU	①	3211022	50
PT 2,5/S-QUATTRO-PE	②	3211025	50

Accessories[1])

D-ST 2,5	3030417	50

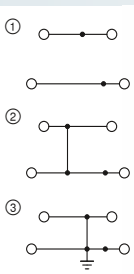
2.5 mm² PT Push-in connection terminal blocks

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.

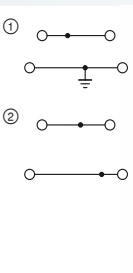
For information on installation and using accessories for Ex applications, see page 678.

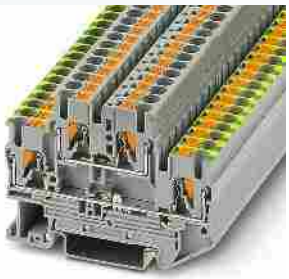


26 A, double-level terminal block, 4 connections

EAC

Ex: EAC Ex
PTB 09ATEX1111U / IECEx PTB 10.0021U





30 A, double-level terminal block with PE foot

EAC

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	5.2	68	47.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		26	500	0.14 - 4	26-12
Maximum bridge current	[A]	22 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	440
Nominal current / cross section	[A] / [mm²]	22 / 2.5	20 / -	20 / -	18 / 2.5

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	5.2	68	47.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30	500	0.14 - 4	26-12
Maximum bridge current	[A]	20 (FBS) / 16 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTTB 2,5**	①	3210567	50
	blue	**PTTB 2,5 BU**	①	3210570	50
With potential distribution	gray	**PTTB 2,5-PV**	②	3210583	50
	gray				
upper level blue	gray				
upper level blue	gray				
Ground terminal	green-yellow	**PTTB 2,5-PE**	③	3210596	50

Ordering data

Type		Order No.	Pcs./Pkt.
PTTB 2,5-PE/L	①	3210978	50
PTTB 2,5-PE/N	①	3210981	50
PTTB 2,5-L/N	②	3210994	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTTB 2,5**	3211634	50

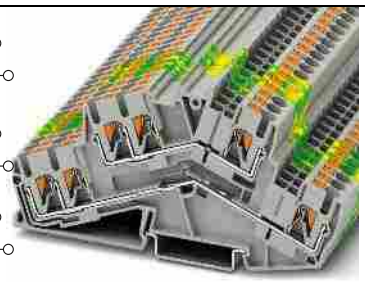
Accessories[1])

D-PTTB 2,5	3211634	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

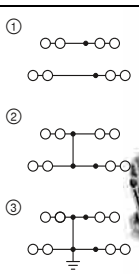
Notes:

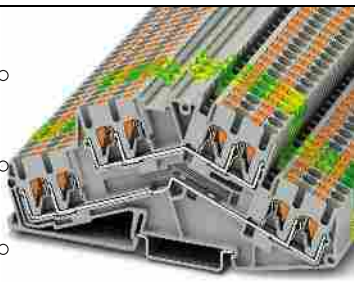
[1]) For additional accessories and technical data, see page 70.



24 A, double-level terminal block, 3 connections per level

EAC





24 A, double-level terminal block, 4 connections per level

EAC

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	5.2	111.8	55 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	800	0.14 - 4	26-12
Maximum bridge current	[A]	20 (FBS) / 16 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / -	- / -

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	5.2	115.2	55 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	800	0.14 - 4	26-12
Maximum bridge current	[A]	20 (FBS) / 16 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTTBS 2,5-TWIN**	①	3210600	50
	blue	**PTTBS 2,5-TWIN BU**	①	3210601	50
With potential distribution	gray	**PTTBS 2,5-TWIN-PV**	②	3210603	50
Ground terminal	green-yellow	**PTTBS 2,5-TWIN-PE**	③	3210602	50

Ordering data

Type		Order No.	Pcs./Pkt.
PTTBS 2,5-QUATTRO	①	3210609	50
PTTBS 2,5-QUATTRO BU	①	3210610	50
PTTBS 2,5-QUATTRO-PV	②	3210612	50
PTTBS 2,5-QUATTRO-PE	③	3210611	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTTBS 2,5-TWIN**	3210608	50

Accessories[1])

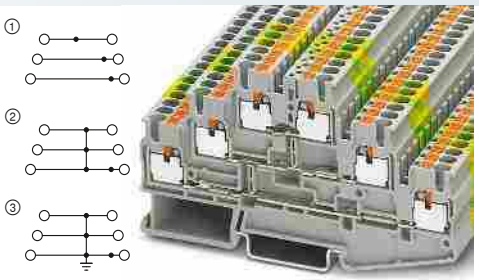
D-PTTBS 2,5-QUATTRO	3210613	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.

For information on installation and using accessories for Ex applications, see page 678.



24 A, multi-level terminal block

Ex: EAC Ex
SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

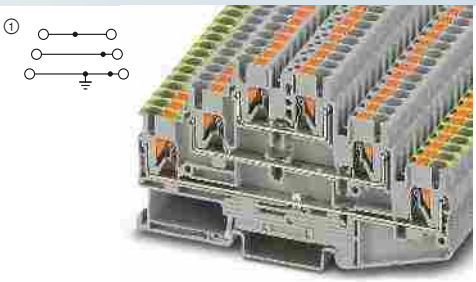
Dimensions				
	[mm]	Width	Length	Height
		5.2	**102**	**58 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	**500**	**0.14 - 4 / 26-12**
Maximum bridge current	[A]	20 (FBS) / 16 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	600 / 440
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / - / 17 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 2,5-3L**	①	3210499	50
	blue	**PT 2,5-3L BU**	①	3210509	50
With potential distribution	gray	**PT 2,5-3PV**	②	3210512	50
	gray				
	gray				
Ground terminal	green-yellow	**PT 2,5-3PE**	③	3210525	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PT 2,5-3L**	3211647	50



24 A, three-level terminal block with PE foot

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**102**	**58 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	**500**	**0.14 - 4 / 26-12**
Maximum bridge current	[A]	20 (FBS) / 16 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	600 / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / - / - / -

Ordering data

Type		Order No.	Pcs./Pkt.
PT 2,5-PE/L/L	①	3210541	50
PT 2,5-PE/L/N	①	3210538	50

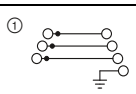
Accessories[1])

D-PT 2,5-3L	3211647	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.



25 A, four-level terminal block with PE foot

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**99.5**	**92.6 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		25	**800**	**0.14 - 4 / 26-12**
Maximum bridge current	[A]	19 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	- / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	- / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 2,5-PE/3L**	①	3210542	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PT 2,5-PE/3L**	3210543	50

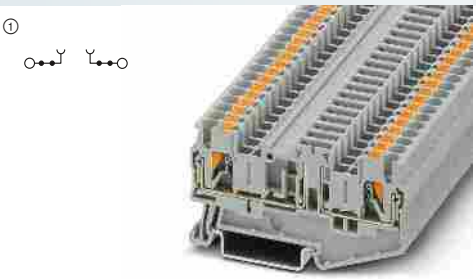
2.5 mm² PT Push-in connection terminal blocks

Disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.

[2]) Current and voltage are determined by the plug used.



16 A, disconnect terminal block, with 4 function shafts

20 A, disconnect terminal block, with 2 function shafts

Dimensions		Technical data[1])			
		Width	Length	Height	
	[mm]	**5.2**	**70.1**	**36.8 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**400[2])**	**0.14 - 4**	**26-12**
Maximum bridge current	[A]	16 (FBS) / 16 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400[2])	600	600	-
Nominal current / cross section	[A] / [mm²]	16 / 2.5	16 / -	20 / -	- / -

Ordering data			
Description	Color		
Disconnect terminal block	gray	**Type**	**Order No.** / Pcs./Pkt.
		PT 2,5-TGB ①	3210192 / 50
Accessories[1])			
Cover, width: 2.2 mm	gray	**D-PT 2,5-MTB**	3210196 / 50

Dimensions		Technical data[1])			
		Width	Length	Height	
	[mm]	**5.2**	**62**	**36.5 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400[2])**	**0.14 - 4**	**26-12**
		20 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		400[2])	300	300	-
		20 / 2.5	20 / -	20 / -	- / -

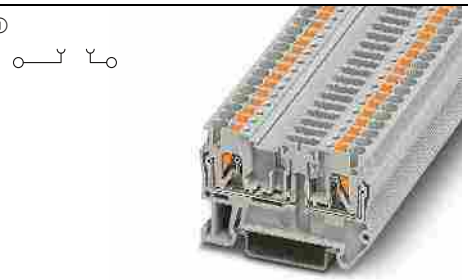
Ordering data		
Type	**Order No.**	Pcs./Pkt.
PT 2,5-TG ①	3210185	50
Accessories[1])		
D-PT 2,5-MT	3211003	50

Disconnect terminal blocks

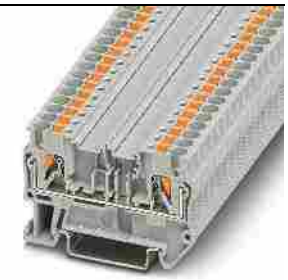
Notes:

[1]) For additional accessories and technical data, see page 70.

[2]) Current and voltage are determined by the plug used.



20 A, disconnect terminal block



28 A, feed-through terminal block, same shape

Dimensions		Technical data[1])			
		Width	Length	Height	
	[mm]	**5.2**	**56**	**36.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400[2])**	**0.14 - 4**	**24-12**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400[2])	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	10 / -	10 / -	- / -

Ordering data			
Description	Color		
Disconnect terminal block	gray	**Type**	**Order No.** / Pcs./Pkt.
		PTC 2,5-TG ①	3270088 / 50
Feed-through terminal block, same shape	gray		
	blue		
Accessories[1])			
Cover, width: 2.2 mm	gray	**D-PTC 2,5-MT**	3270097 / 50

Dimensions		Technical data[1])			
		Width	Length	Height	
	[mm]	**5.2**	**56**	**36.5 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28	**400**	**0.14 - 4**	**24-12**
		IEC	UL / CUL	CSA	Ex
		400	300	300	-
		24 / 2.5	10 / -	10 / -	- / -

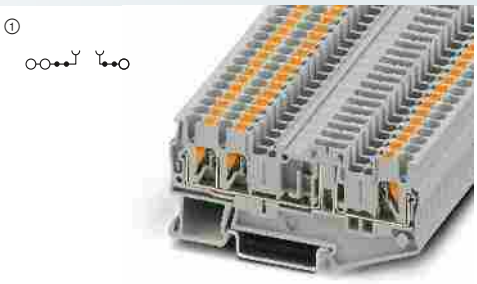
Ordering data		
Type	**Order No.**	Pcs./Pkt.
PTC 2,5-MTD ①	3270106	50
PTC 2,5-MTD BU ①	3270109	50
Accessories[1])		
D-PTC 2,5-MT	3270097	50

Disconnect terminal blocks

Notes:

1) For additional accessories and technical data, see page 70.

2) Current and voltage are determined by the plug used.



16 A, disconnect terminal block, 3 connections, 4 function shafts

20 A, disconnect terminal block, 3 connections, 2 function shafts

		Technical data[1]			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**81.9**	**36.7 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**400[2]**	**0.14 - 4**	**26-12**
Maximum bridge current	[A]	16 (FBS) / 16 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400[2]	600	-	-
Nominal current / cross section	[A] / [mm²]	16 / 2.5	16 / -	- / -	- / -

		Technical data[1]			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**74**	**36.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400[2]**	**0.14 - 4**	**26-12**
Maximum bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400[2]	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / -	- / -

Description	Color	Ordering data			
		Type		**Order No.**	Pcs./Pkt.
Disconnect terminal block	gray	**PT 2,5-TWIN-TGB**	①	3210193	50
		Accessories[1]			
Cover, width: 2.2 mm	gray	**D-PT 2,5-TWIN-MTB**		3210202	50

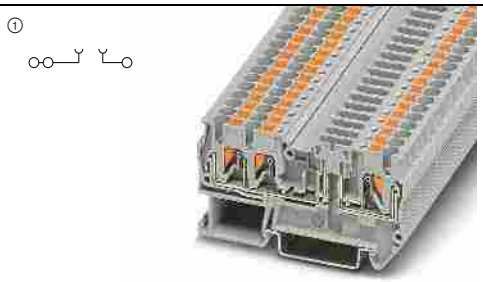
Description	Color	Ordering data			
		Type		**Order No.**	Pcs./Pkt.
Disconnect terminal block	gray	**PT 2,5-TWIN-TG**	①	3210198	50
		Accessories[1]			
		D-PT 2,5-TWIN-MT		3211317	50

Disconnect terminal blocks

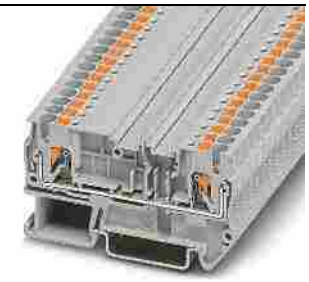
Notes:

1) For additional accessories and technical data, see page 70.

2) Current and voltage are determined by the plug used.



20 A, disconnect terminal block, 3 connections



28 A, feed-through terminal block, same shape

		Technical data[1]			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**67.8**	**36.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400[2]**	**0.14 - 4**	**24-12**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400[2]	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	10 / -	10 / -	- / -

		Technical data[1]			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**67.8**	**36.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28	**400**	**0.14 - 4**	**24-12**
Rated data		IEC	UL / CUL	CSA	Ex
		400	300	300	-
		24 / 2.5	10 / -	10 / -	- / -

Description	Color	Ordering data			
		Type		**Order No.**	Pcs./Pkt.
Disconnect terminal block	gray	**PTC 2,5-TWIN-TG**	①	3270091	50
Feed-through terminal block, same shape	gray				
	blue				
		Accessories[1]			
Cover, width: 2.2 mm	gray	**D-PTC 2,5-TWIN-MT**		3270100	50

Ordering data			
Type		**Order No.**	Pcs./Pkt.
PTC 2,5-TWIN-MTD	①	3270110	50
PTC 2,5-TWIN-MTD BU	①	3270111	50
Accessories[1]			
D-PTC 2,5-TWIN-MT		3270100	50

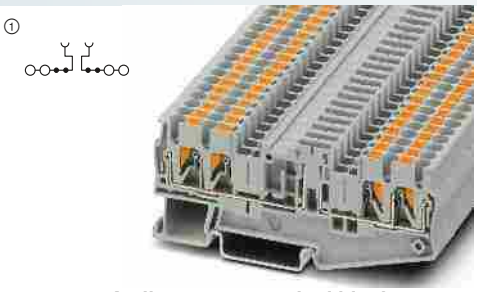
2.5 mm² PT Push-in connection terminal blocks

Disconnect terminal blocks

Notes:

1) For additional accessories and technical data, see page 70.

2) Current and voltage are determined by the plug used.



16 A, disconnect terminal block, 4 connections, 4 function shafts

Technical data[1]			
Width	Length	Height	
5.2	**92.2**	**36.7 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
16	**400[2]**	**0.14 - 4**	**26-12**
16 (FBS) / 16 (FBSR)			
IEC	UL / CUL	CSA	Ex
400[2]	600	-	-
16 / 2.5	16 / -	- / -	- / -

Ordering data			
Type	**Order No.**	Pcs./Pkt.	
PT 2,5-QUATTRO-TGB ①	3210194	50	

Accessories[1]		
D-PT 2,5-QUATTRO-MTB	3210209	50

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Description	Color
Disconnect terminal block	gray
Cover, width: 2.2 mm	gray

20 A, disconnect terminal block, 4 connections, 2 function shafts

Technical data[1]			
Width	Length	Height	
5.2	**84**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400[2]**	**0.14 - 4**	**26-12**
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400[2]	300	300	-
20 / 2.5	20 / -	20 / -	- / -

Ordering data			
Type	**Order No.**	Pcs./Pkt.	
PT 2,5-QUATTRO-TG ①	3210208	50	

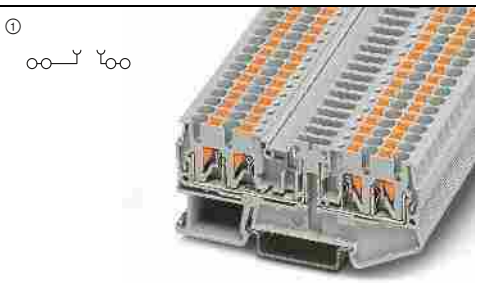
Accessories[1]		
D-ST 2,5-QUATTRO-MT	3038590	50

Disconnect terminal blocks

Notes:

1) For additional accessories and technical data, see page 70.

2) Current and voltage are determined by the plug used.



20 A, disconnect terminal block, 4 connections

Technical data[1]			
Width	Length	Height	
5.2	**79.6**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400[2]**	**0.14 - 4**	**24-12**
IEC	UL / CUL	CSA	Ex
400[2]	300	300	-
20 / 2.5	10 / -	10 / -	- / -

Ordering data			
Type	**Order No.**	Pcs./Pkt.	
PTC 2,5-QUATTRO-TG ①	3270094	50	

Accessories[1]		
D-PTC 2,5-QUATTRO-MT	3270103	50

Dimensions	
	[mm]
Maximum electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

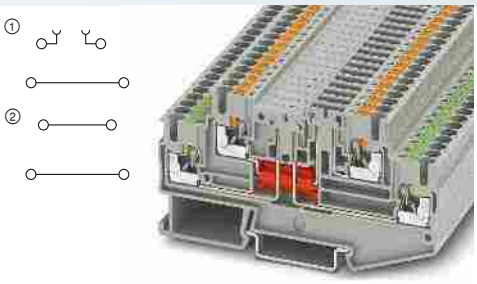
Description	Color
Disconnect terminal block	gray
Cover, width: 2.2 mm	gray

Disconnect terminal blocks

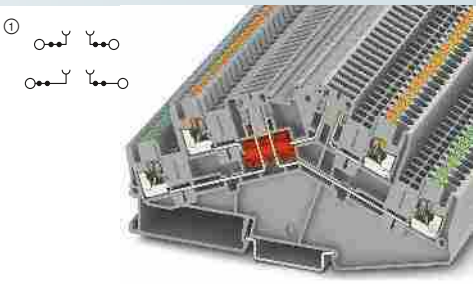
Notes:

1) For additional accessories and technical data, see page 70.

2) Current and voltage are determined by the plug used.



16 A, double-level terminal block, one disconnect zone



16 A, double-level terminal block, two disconnect zones

		Technical data1)				Technical data1)			
Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	**5.2**	**92.4**	**47.4 (NS 35/7,5)**		**5.2**	**127.5**	**64.3 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16²)	**400**	**0.14 - 4**	**26-12**	**16²)**	**400²)**	**0.14 - 4**	**26-12**
Maximum bridge current	[A]	-				16 (FBS) / 16 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-	400²)	300	300	-
Nominal current / cross section	[A] / [mm²]	16²) / 2.5	16 / -	16 / -	- / -	16²) / 2.5	16 / -	10 / -	- / -

		Ordering data				Ordering data			
Description	Color	**Type**		**Order No.**	Pcs./Pkt.	**Type**		**Order No.**	Pcs./Pkt.
Disconnect terminal block	gray	**PTT 2,5-L/TG**	①	3210230	50	**PTTBS 2,5-2TGB**	①	3210402	50
	blue	**PTT 2,5-L/TG BU**	①	3210270	50				
Feed-through terminal block, same shape	gray	**PTT 2,5-2L**	②	3210267	50				
	blue	**PTT 2,5-2L BU**	②	3210268	50				
		Accessories1)				Accessories1)			
Cover, 0.8 mm width	gray	**D-PTT 2,5-2MT-0,8**		3210300	50	**D-PTTBS 2,5-2MTB**		3210404	50
	orange	**D-PTT 2,5-2MT-0,8 OG**		3210299	50				

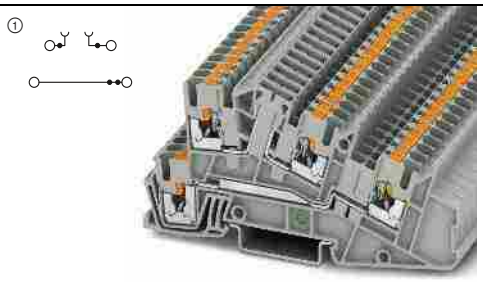
Disconnect terminal blocks

Notes:

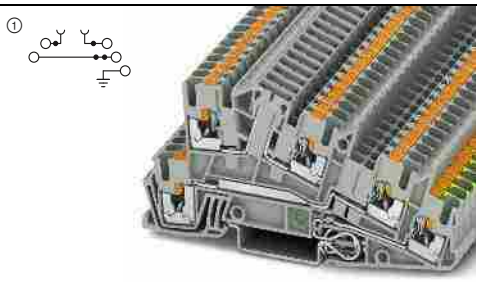
1) For additional accessories and technical data, see page 70.

2) Current and voltage are determined by the plug used.

3) 3-pos. termination block.



30 A, three-level terminal block, 1 x L outer conductor, 1 x disconnect zone



30 A, three-level terminal block, 1 x L outer conductor, 1 x PE, 1 x disconnect zone

		Technical data1)				Technical data1)			
Dimensions		Width	Length	Height		Width	Length	Height	
	[mm]	**5.2**	**101**	**50.5 (NS 35/7,5)**		**5.2**	**101**	**50.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30³)	**400²)**	**0.14 - 4**	**26-12**	**30³)**	**400²)**	**0.14 - 4**	**26-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)				24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400²)	300	300	-	400²)	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	20 / -	- / -	24 / 4	20 / -	20 / -	- / -
Rated cross section	[mm²]	4				4			
Nominal current / cross section	[A] / [mm²]	16 / 1.5 (disconnect level)				16 / 1.5 (disconnect level)			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5

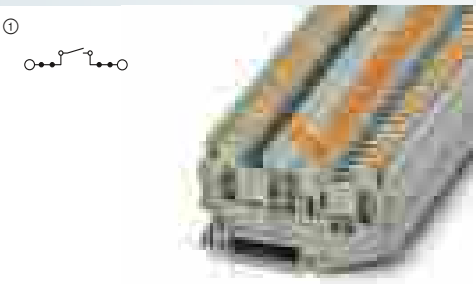
		Ordering data				Ordering data			
Description	Color	**Type**		**Order No.**	Pcs./Pkt.	**Type**		**Order No.**	Pcs./Pkt.
Terminal block	gray	**PTI 2,5-L/TG**	①	3213961	50	**PTI 2,5-PE/L/TG**	①	3213960	50
		Accessories1)				Accessories1)			
Cover, width: 2.2 mm	gray	**D-PTI/3B**		3213976	50	**D-PTI/3B**		3213976	50

2.5 mm² PT Push-in connection terminal blocks

Knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.



16 A, knife disconnect terminal block, 4 function shafts

20 A, knife disconnect terminal block, 2 function shafts

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**70.1**	**36.7 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	16	**400**	**0.14 - 4**	**26-12**
Maximum bridge current [A]	16 (FBS) / 16 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	600	600	-
Nominal current / cross section [A] / [mm²]	16 / 2.5	20 / -	20 / -	- / -

Ordering data			
Description / Color	Type	Order No.	Pcs./Pkt.
Knife disconnect terminal block gray	① **PT 2,5-MTB**	3210157	50
blue	① **PT 2,5-MTB BU**	3210163	50

Accessories[1])			
Cover, width: 2.2 mm gray	**D-PT 2,5-MTB**	3210196	50

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**62**	**36.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	20	**400**	**0.14 - 4**	**26-12**
Maximum bridge current [A]	20 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	300	300	-
Nominal current / cross section [A] / [mm²]	20 / 2.5	20 / -	20 / -	- / -

Ordering data			
Description / Color	Type	Order No.	Pcs./Pkt.
Knife disconnect terminal block gray	① **PT 2,5-MT**	3210156	50
blue	① **PT 2,5-MT BU**	3211650	50

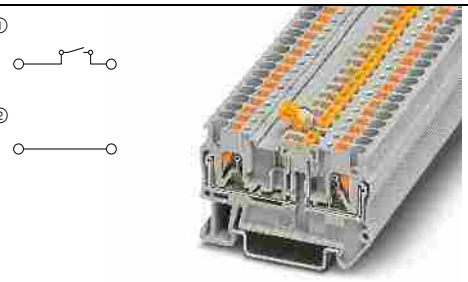
Accessories[1])			
Cover, width: 2.2 mm gray	**D-PT 2,5-MT**	3211003	50

Knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.

[2]) The max. load current must not be exceeded by the total current of all connected conductors.



20 A, knife disconnect terminal block

20 A, knife disconnect terminal block, 3 connections

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**56**	**36.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	20	**400**	**0.14 - 4**	**24-12**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	300	300	-
Nominal current / cross section [A] / [mm²]	20 / 2.5	10 / -	10 / -	- / -

Ordering data			
Description / Color	Type	Order No.	Pcs./Pkt.
Knife disconnect terminal block gray	① **PTC 2,5-MT**	3270079	50
Feed-through terminal block, same shape gray	② **PTC 2,5-MTD**	3270106	50
blue	② **PTC 2,5-MTD BU**	3270109	50

Accessories[1])			
Cover, width: 2.2 mm gray	**D-PTC 2,5-MT**	3270097	50

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**67.8**	**36.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	20[2])	**400**	**0.14 - 4**	**24-12**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	300	300	-
Nominal current / cross section [A] / [mm²]	20[2]) / 2.5	10 / -	10 / -	- / -

Ordering data			
Description / Color	Type	Order No.	Pcs./Pkt.
Knife disconnect terminal block gray	① **PTC 2,5-TWIN-MT**	3270082	50
Feed-through terminal block, same shape gray	② **PTC 2,5-TWIN-MTD**	3270110	50
blue	② **PTC 2,5-TWIN-MTD BU**	3270111	50

Accessories[1])			
Cover, width: 2.2 mm gray	**D-PT 2,5-TWIN-MT**	3211317	50

Knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.

①

16 A, knife disconnect terminal block, 3 connections, 4 function shafts

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**81.9**	**36.7 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	16	**400**	**0.14 - 4**	**26-12**
Maximum bridge current [A]	16 (FBS) / 16 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	600	-	-
Nominal current / cross section [A] / [mm²]	16 / 2.5	16 / -	- / -	- / -

Ordering data			
Type		**Order No.**	Pcs./Pkt.
PT 2,5-TWIN-MTB	①	3210170	50
PT 2,5-TWIN-MTB BU	①	3210177	50

Accessories[1])			
D-PT 2,5-TWIN-MTB		3210202	50

Description	Color
Knife disconnect terminal block	gray
	blue
Cover, width: 2.2 mm	gray

①

20 A, knife disconnect terminal block, 3 connections, 2 function shafts

Technical data[1])				
Width	Length	Height		
5.2	**74**	**36.5 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
20	**400**	**0.14 - 4**	**26-12**	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	300	300	-	
20 / 2.5	20 / -	20 / -	- / -	

Ordering data			
Type		**Order No.**	Pcs./Pkt.
PT 2,5-TWIN-MT	①	3210169	50
PT 2,5-TWIN-MT BU	①	3211663	50

Accessories[1])			
D-PT 2,5-TWIN-MT		3211317	50

Knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.

①

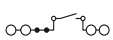
16 A, knife disconnect terminal block, 4 connections, 4 function shafts

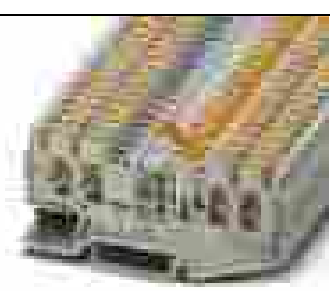
Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**92.2**	**36.7 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	16	**400**	**0.14 - 4**	**26-12**
Maximum bridge current [A]	20 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	600	-	-
Nominal current / cross section [A] / [mm²]	16 / 2.5	16 / -	- / -	- / -

Ordering data			
Type		**Order No.**	Pcs./Pkt.
PT 2,5-QUATTRO-MTB	①	3210184	50
PT 2,5-QUATTRO-MTB BU	①	3210191	50

Accessories[1])			
D-PT 2,5-QUATTRO-MTB		3210209	50

Description	Color
Knife disconnect terminal block	gray
	blue
Cover, width: 2.2 mm	gray

① 



20 A, knife disconnect terminal block, 4 connections, 2 function shafts

Technical data[1])				
Width	Length	Height		
5.2	**84**	**36.5 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
20	**400**	**0.14 - 4**	**26-12**	
20 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	300	300	-	
20 / 2.5	20 / -	20 / -	- / -	

Ordering data			
Type		**Order No.**	Pcs./Pkt.
PT 2,5-QUATTRO-MT	①	3210172	50
PT 2,5-QUATTRO-MT BU	①	3211676	50

Accessories[1])			
D-ST 2,5-QUATTRO-MT		3038590	50

Knife disconnect terminal blocks

Notes:

1) For additional accessories and technical data, see page 70.

20 A, knife disconnect terminal block, 4 connections

Dimensions	
	[mm]
Maximum electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data1)

Width	Length	Height	
5.2	**79.6**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400**	**0.14 - 4**	**24-12**
IEC	UL / CUL	CSA	Ex
400	300	300	-
20 / 2.5	10 / -	10 / -	- / -

Ordering data

Description	Color
Knife disconnect terminal block	gray

Type		Order No.	Pcs./Pkt.
PTC 2,5-QUATTRO-MT	1	3270085	50

Accessories1)

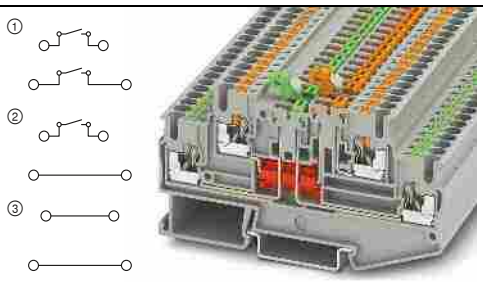
Cover, width: 2.2 mm	gray

	Order No.	Pcs./Pkt.
D-PTC 2,5-QUATTRO-MT	3270103	50

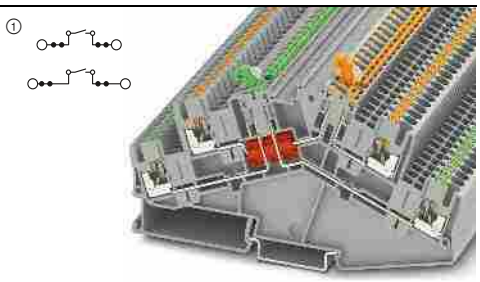
Knife disconnect terminal blocks

Notes:

1) For additional accessories and technical data, see page 70.



16 A, double-level terminal block with one disconnect knife per level



16 A, double-level terminal block with one disconnect knife per level, desk design

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data1)

Width	Length	Height	
5.2	**92.4**	**47.4 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
16	**400**	**0.14 - 4**	**26-12**
-			
IEC	UL / CUL	CSA	Ex
400	300	300	-
16 / 2.5	16 / -	16 / -	- / -

Technical data1)

Width	Length	Height	
5.2	**127.5**	**64.3 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
16	**400**	**0.14 - 4**	**26-12**
16 (FBS) / 16 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	300	300	-
16 / 2.5	16 / -	10 / -	- / -

Description	Color
Knife disconnect terminal block	gray
	blue
Disconnection only in the upper level	gray
	blue
Feed-through terminal block, same shape	gray
	blue

Ordering data

Type		Order No.	Pcs./Pkt.
PTT 2,5-2MT	1	3210258	50
PTT 2,5-2MT BU	1	3210265	50
PTT 2,5-L/MT	2	3210251	50
PTT 2,5-L/MT BU	2	3210257	50
PTT 2,5-2L	3	3210267	50
PTT 2,5-2L BU	3	3210268	50

Ordering data

Type		Order No.	Pcs./Pkt.
PTTBS 2,5-2MTB	1	3210400	50
PTTBS 2,5-2MTB BU	1	3210401	50

Cover, 0.8 mm width	gray
	orange

Accessories1)

	Order No.	Pcs./Pkt.
D-PTT 2,5-2MT-0,8	3210300	50
D-PTT 2,5-2MT-0,8 OG	3210299	50

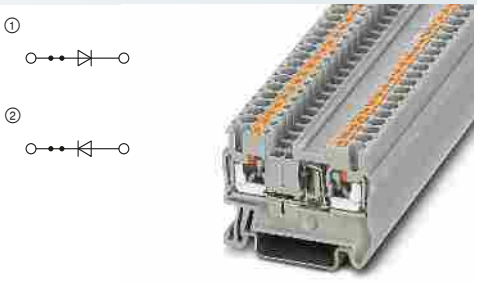
Accessories1)

	Order No.	Pcs./Pkt.
D-PTTBS 2,5-2MTB	3210404	50

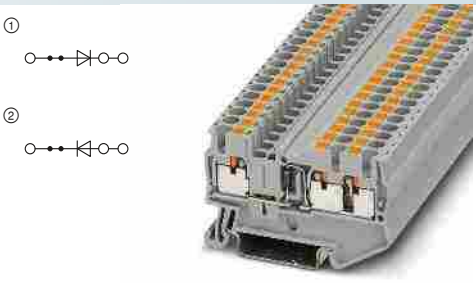
Diode terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.



0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A)



0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A), 3 connections

Description	Color
Terminal block, for conducting direction see circuit diagram	gray
	gray
Cover, width: 2.2 mm	gray

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	5.2	48.5	36.5 (NS 35/7,5)	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	0.5	800	0.14 - 4	26-12
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	300	300	-
Nominal current / cross section [A] / [mm²]	0.5 / 1	20 / -	0.5 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PT 2,5-DIO/L-R	①	3210224	50
PT 2,5-DIO/R-L	②	3210237	50

Accessories[1])

D-ST 2,5	3030417	50

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	5.2	60.5	36.5 (NS 35/7,5)	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	0.5	800	0.14 - 4	26-12
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	300	300	-
Nominal current / cross section [A] / [mm²]	0.5 / 1	20 / -	0.5 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PT 2,5-TWIN-DIO/L-R	①	3210240	50
PT 2,5-TWIN-DIO/R-L	②	3210253	50

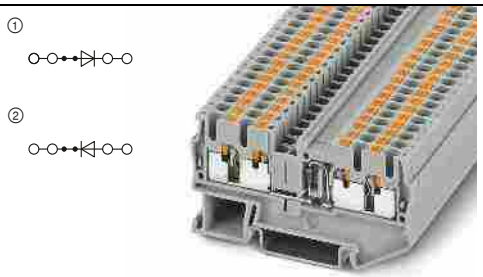
Accessories[1])

D-ST 2,5-TWIN	3030488	50

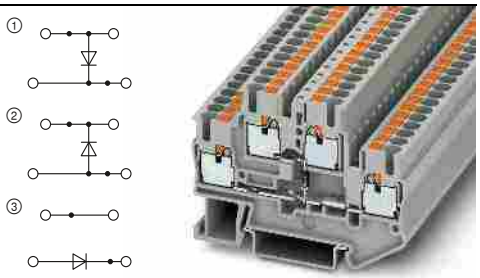
Diode terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.



0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A), 4 connections



0.5 A, diode double-level terminal block, 1N 4007 (1300 V/0.5 A)

Description	Color
Terminal block, for conducting direction see circuit diagram	gray
	gray
	gray
Cover, width: 2.2 mm	gray

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	5.2	72	36.5 (NS 35/7,5)	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	0.5	800	0.14 - 4	26-12
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	300	300	-
Nominal current / cross section [A] / [mm²]	0.5 / 1	20 / -	0.5 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PT 2,5-QUATTRO-DIO/L-R	①	3210266	50
PT 2,5-QUATTRO-DIO/R-L	②	3210279	50

Accessories[1])

D-ST 2,5-QUATTRO	3030514	50

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	5.2	68	47.5 (NS 35/7,5)	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	0.5	500	0.14 - 4	26-12
Maximum bridge current [A]	16 (FBS) / 16 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	300	300	-
Nominal current / cross section [A] / [mm²]	0.5 / 2.5	20 / -	0.5 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PTTB 2,5-DIO/O-U	①	3210923	50
PTTB 2,5-DIO/U-O	②	3210936	50
PTTB 2,5-DIO/UL-UR	③	3211427	50

Accessories[1])

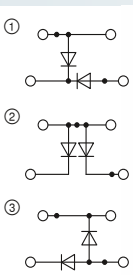
D-PTTB 2,5	3211634	50

2.5 mm² PT Push-in connection terminal blocks

Diode and component terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.



0.5 A, diode double-level terminal block, 1N 4007 (1300 V/0.5 A)

EAC

Technical data[1])

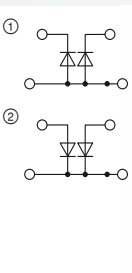
Dimensions		Width	Length	Height	
	[mm]	5.2	68	47.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5	500	0.14 - 4	26-12
Maximum bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	300	-
Nominal current / cross section	[A] / [mm²]	0.5 / 2.5	20 / -	0.5 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**PTTB 2,5-2DIO/O-UL/UR-UL**	①	3211430	50
	gray	**PTTB 2,5-2DIO/O-UL/O-UR**	②	3211443	50
	gray	**PTTB 2,5-2DIO/UR-O/UR-UL**	③	3211433	50
	gray				
	gray				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTTB 2,5**	3211634	50



0.5 A, diode double-level terminal block, 1N 4007 (1300 V/0.5 A)

EAC

Technical data[1])

Width	Length	Height	
5.2	68	47.5 (NS 35/7,5)	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
0.5	500	0.14 - 4	26-12
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	300	-	-
0.5 / 2.5	20 / -	- / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PTTB 2,5-2DIO/U-OL/U-OR	①	3211445	50
PTTB 2,5-2DIO/OL-U/OR-U	②	3211447	50

Accessories[1])

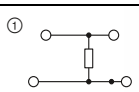
D-PTTB 2,5	3211634	50	

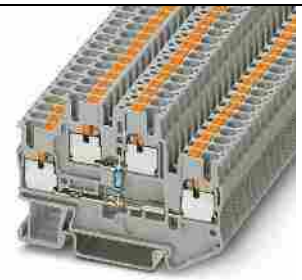
Double-level terminal blocks with resistor or LED display

Notes:

[1]) For additional accessories and technical data, see page 70.

[2]) The operating voltage is determined by the LED version.





20 A, double-level terminal block with resistor

EAC

Technical data[1])

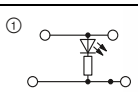
Dimensions		Width	Length	Height	
	[mm]	5.2	68	47.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	500	0.14 - 4	-
Maximum bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	-	-	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	- / -	- / -	- / -

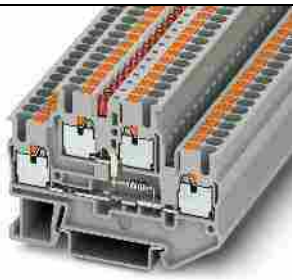
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, with built-in resistor, 499 ohms, 0.4 W power dissipation	gray	**PTTB 2,5-R499/O-U**	①	3210925	50
Terminal block, with LED for 12–30 V DC, 0.7 - 2.4 mA	gray				
for 30 - 60 V DC, 0.8 - 1.8 mA	gray				
for 110 - 250 V AC/DC, 0.1 - 0.5 mA	gray				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTTB 2,5**	3211634	50





24 A, double-level terminal block with LED display

EAC

Technical data[1])

Width	Length	Height	
5.2	68	47.5 (NS 35/7,5)	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	500[2])	0.14 - 4	24-12
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500[2])	300	30	-
20 / 2.5	20 / -	20 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PTTB 2,5-LA 24 RD	①	3211456	50
PTTB 2,5-LA 60 RD	①	3211469	50
PTTB 2,5-LA 230	①	3211472	50

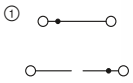
Accessories[1])

D-PTTB 2,5	3211634	50	

Component terminal blocks for self-soldering-in of components

Notes:

[1]) For additional accessories and technical data, see page 70.



Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**68**	**47.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		26	**500**	**0.14 - 4**	**-**
Maximum bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	-	-	-
Nominal current / cross section	[A] / [mm²]	22 / 2.5	- / -	- / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, component can be soldered in	gray	**PTTB 2,5-2BE**	1	3211480	50

Accessories[1])

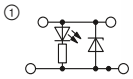
Cover, width: 2.2 mm	gray	**D-PTTB 2,5**	3211634	50

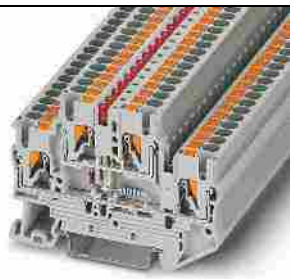
Double-level current indicator terminal blocks

- Clearly indicates the operating status of a circuit
- Faults and line interruptions are reliably displayed as the current is monitored
- The voltage drop via the Zener diode in the blocking direction (2.4 V) powers the LED
- Compatible with DC and AC current

Notes:

[1]) For additional accessories and technical data, see page 70.





Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**68**	**47.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.1	**500**	**0.14 - 4**	**-**
Maximum bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	-	-	-
Nominal current / cross section	[A] / [mm²]	0.1 / 2.5	- / -	- / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTTB 2,5-ILA 100**	1	3215042	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTTB 2,5**	3211634	50

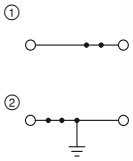
2.5 mm² PT Push-in connection terminal blocks

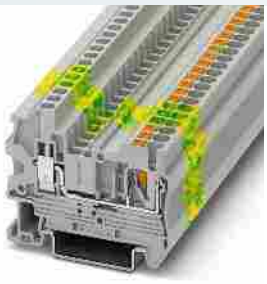
Hybrid terminal blocks with screw connection on one side, 2.5 (4) mm²

Notes:

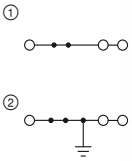
[1]) For additional accessories and technical data, see page 70.

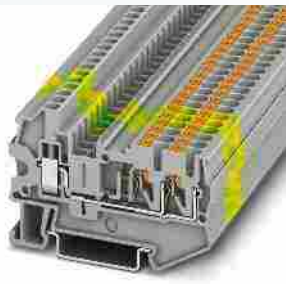
[2]) For screw connection rated data, see page 148.





24 A, feed-through terminal block





24 A, feed-through terminal block, 3 connections

Technical data[1])								
Dimensions	Width	Length	Height		Width	Length	Height	
[mm]	**5.2**	**53.5**	**42.8 (NS 35/7,5)**		**5.2**	**65.3**	**42.8 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24	**800**	**0.14 - 4**	**26-12**	**24**	**800**	**0.14 - 4**	**-**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)				24 (FBS) / 17.5 (FBSR)			
Rated data[2])	IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	-	800	-	600	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	- / -	24 / 2.5	- / -	20 / -	- / -

Ordering data					Ordering data			
Description	Color	**Type**		**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
Terminal block	gray	**PTU 2,5**	①	3209519	50	**PTU 2,5-TWIN** ①	3209515	50
	blue	**PTU 2,5 BU**	①	3209520	50	**PTU 2,5-TWIN BU** ①	3209516	50
Ground terminal	green-yellow	**PTU 2,5-PE**	②	3209521	50	**PTU 2,5-TWIN-PE** ②	3209517	50

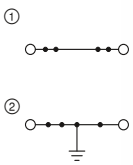
Accessories[1])			Accessories[1])		
Cover, width: 2.2 mm gray	**D-PTU 2,5**	3209522	50	**D-STU 2,5-TWIN**	3033045	50

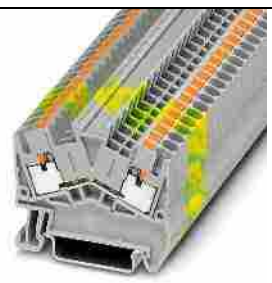
Feed-through, multi-conductor, multi-level, and ground terminal blocks in desk design

Notes:

[1]) For additional accessories and technical data, see page 70.

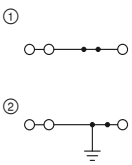
For information on installation and using accessories for Ex applications, see page 678.





30 A, feed-through terminal block

Ex:
SEV13ATEX0159U / IECEx SEV13.0005U



28 A, feed-through terminal block, 3 connections

Ex:
SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])								
Dimensions	Width	Length	Height		Width	Length	Height	
[mm]	**5.2**	**49**	**43 (NS 35/7,5)**		**5.2**	**49**	**43 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	**800**	**0.14 - 4**	**26-12**	**28**	**800**	**0.14 - 4**	**26-12**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)				24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	550	800	600	600	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	21 / 2.5	24 / 2.5	20 / -	20 / -	21 / 2.5

Ordering data					Ordering data			
Description	Color	**Type**		**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
Terminal block	gray	**PTS 2,5**	①	3211799	50	**PTS 2,5-TWIN** ①	3211896	50
	blue	**PTS 2,5 BU**	①	3211812	50	**PTS 2,5-TWIN BU** ①	3211906	50
Ground terminal	green-yellow	**PTS 2,5-PE**	②	3211867	50	**PTS 2,5-TWIN-PE** ②	3211935	50

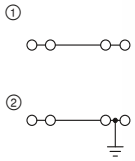
Accessories[1])			Accessories[1])		
Cover, width: 2.2 mm gray	**D-STS 2,5**	3031762	50	**D-STS 2,5**	3031762	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks in desk design

Notes:

1) For additional accessories and technical data, see page 70.

For information on installation and using accessories for Ex applications, see page 678.



28 A, feed-through terminal block, 4 connections

Ex:
SEV13ATEX0159U / IECEx SEV13.0005U

Technical data1)

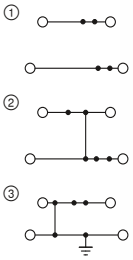
Dimensions		Width	Length	Height	
	[mm]	5.2	49	43 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28	800	0.14 - 4	26-12
Maximum bridge current	[A]	-			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	21 / 2.5

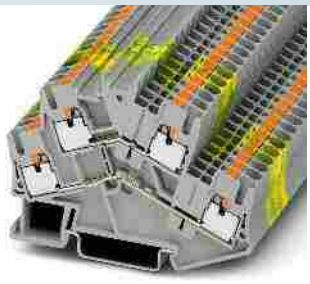
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTS 2,5-QUATTRO**	①	3211993	50
	blue	**PTS 2,5-QUATTRO BU**	①	3212002	50
With potential distribution	gray				
Ground terminal	green-yellow	**PTS 2,5-QUATTRO-PE**	②	3212011	50

Accessories1)

Cover, width: 2.2 mm	gray	**D-STS 2,5**	3031762	50





24 A, double-level terminal block

Ex:
SEV13ATEX0159U / IECEx SEV13.0005U

Technical data1)

		Width	Length	Height	
		5.2	78	55 (NS 35/7,5)	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	500	0.14 - 4	24-12
		20 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		500	300	600	440
		22 / 2.5	20 / -	20 / -	19 / 2.5

Ordering data

Type		Order No.	Pcs./Pkt.
PTTBS 2,5	①	3209604	50
PTTBS 2,5 BU	①	3209617	50
PTTBS 2,5-PV	②	3210211	50
PTTBS 2,5-PE	③	3209620	50

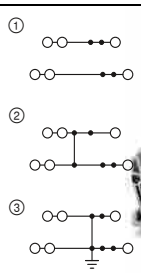
Accessories1)

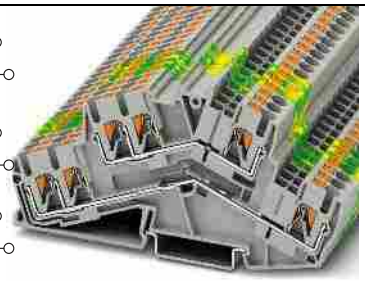
D-STTBS 2,5	3038503	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks in desk design

Notes:

1) For additional accessories and technical data, see page 70.





24 A, double-level terminal block, 3 connections per level

Technical data1)

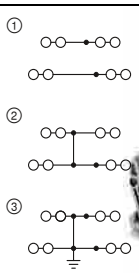
Dimensions		Width	Length	Height	
	[mm]	5.2	111.8	55 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	800	0.14 - 4	26-12
Maximum bridge current	[A]	20 (FBS) / 16 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / -	- / -

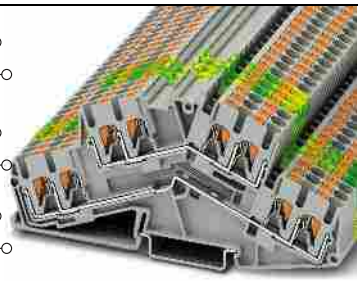
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTTBS 2,5-TWIN**	①	3210600	50
	blue	**PTTBS 2,5-TWIN BU**	①	3210601	50
With potential distribution	gray	**PTTBS 2,5-TWIN-PV**	②	3210603	50
Ground terminal	green-yellow	**PTTBS 2,5-TWIN-PE**	③	3210602	50

Accessories1)

Cover, width: 2.2 mm	gray	**D-PTTBS 2,5-TWIN**	3210608	50





24 A, double-level terminal block, 4 connections per level

Technical data1)

		Width	Length	Height	
		5.2	115.2	55 (NS 35/7,5)	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	800	0.14 - 4	26-12
		20 (FBS) / 16 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		800	600	300	-
		20 / 2.5	20 / -	20 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PTTBS 2,5-QUATTRO	①	3210609	50
PTTBS 2,5-QUATTRO BU	①	3210610	50
PTTBS 2,5-QUATTRO-PV	②	3210612	50
PTTBS 2,5-QUATTRO-PE	③	3210611	50

Accessories1)

D-PTTBS 2,5-QUATTRO	3210613	50

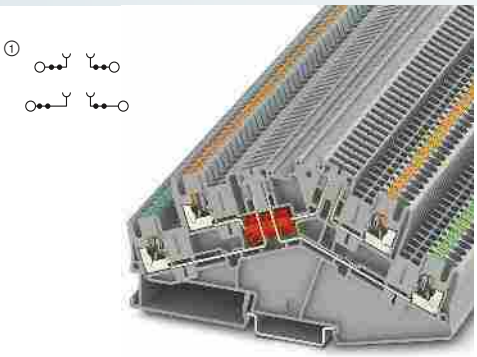
2.5 mm² PT Push-in connection terminal blocks

Desk-design disconnect and knife disconnect terminal blocks

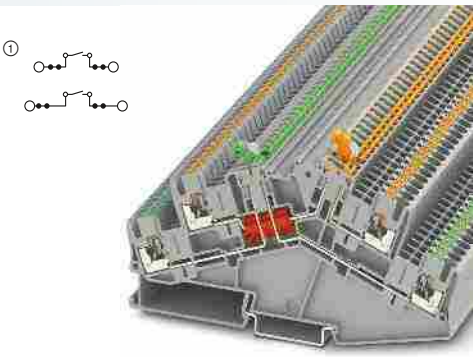
Notes:

[1]) For additional accessories and technical data, see page 70.

[2]) Current and voltage are determined by the plug used.



16 A, double-level terminal block, two disconnect zones



16 A, double-level terminal block with one disconnect knife per level, desk design

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
5.2	**127.5**	**64.3 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
16[2])	**400[2])**	**0.14 - 4**	**26-12**
16 (FBS) / 16 (FBSR)			
IEC	UL / CUL	CSA	Ex
400[2])	300	300	-
16[2]) / 2.5	16 / -	10 / -	- / -

Ordering data

Description	Color
Disconnect terminal block	gray blue

Type		Order No.	Pcs./Pkt.
PTTBS 2,5-2TGB	①	3210402	50

Accessories[1])

Cover, 0.8 mm width	gray	**D-PTTBS 2,5-2MTB**	3210404	50

Technical data[1])

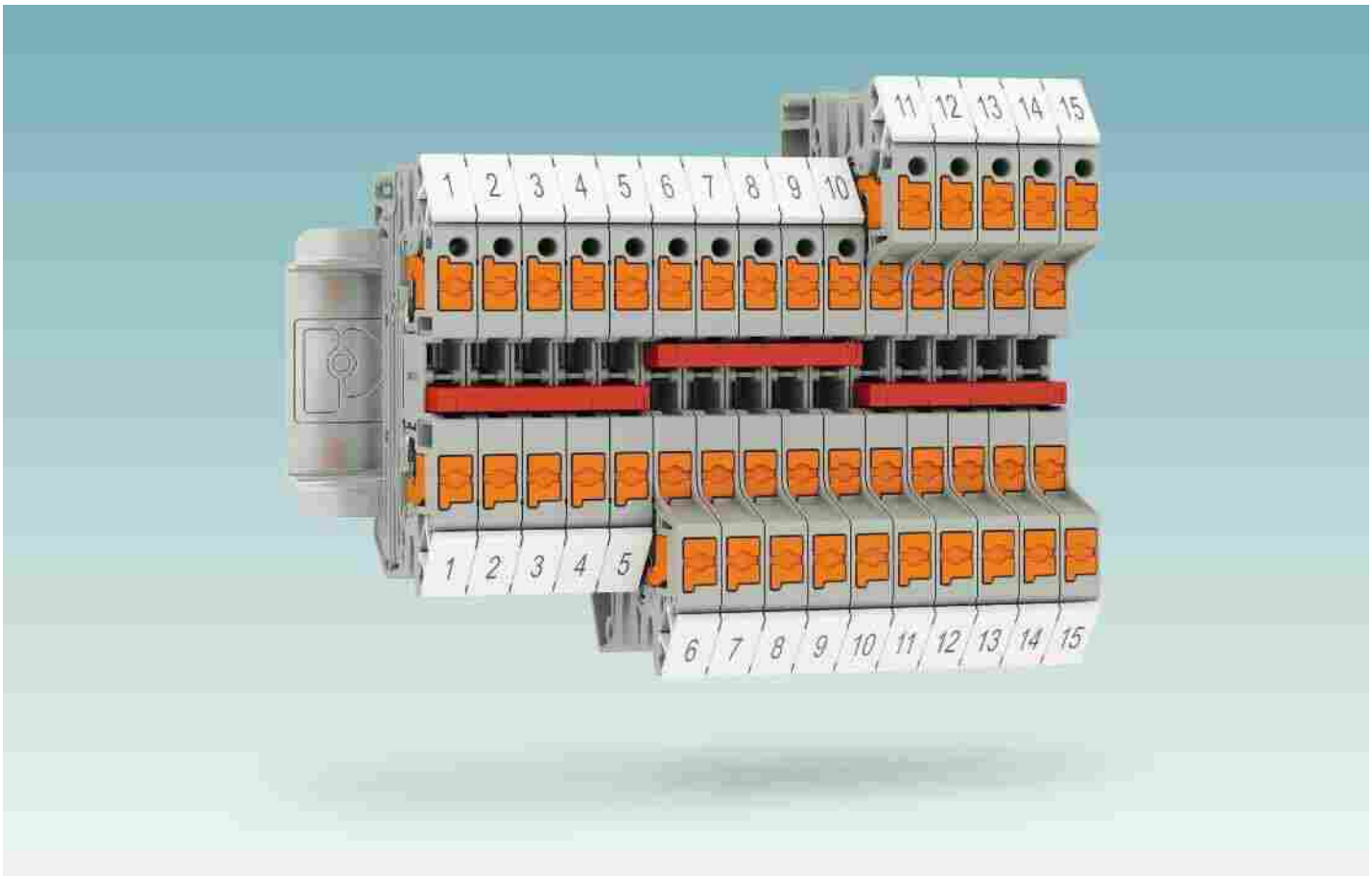
Width	Length	Height	
5.2	**127.5**	**64.3 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
16	**400**	**0.14 - 4**	**26-12**
16 (FBS) / 16 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	300	300	-
16 / 2.5	16 / -	10 / -	- / -

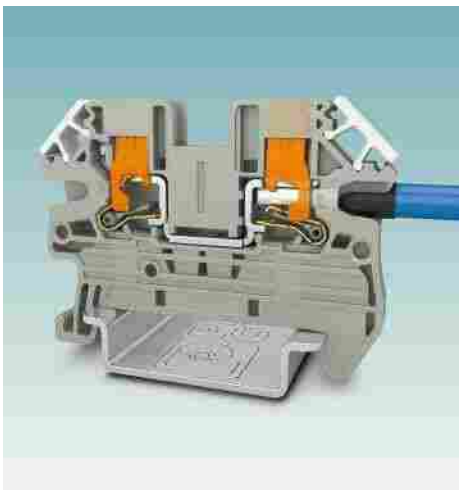
Ordering data

Type		Order No.	Pcs./Pkt.
PTTBS 2,5-2MTB	①	3210400	50
PTTBS 2,5-2MTB BU	①	3210401	50

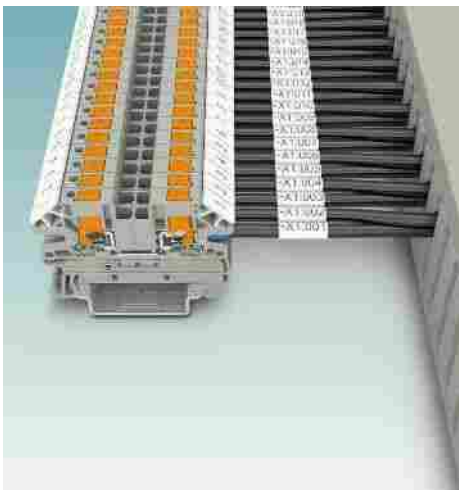
Accessories[1])

D-PTTBS 2,5-2MTB	3210404	50

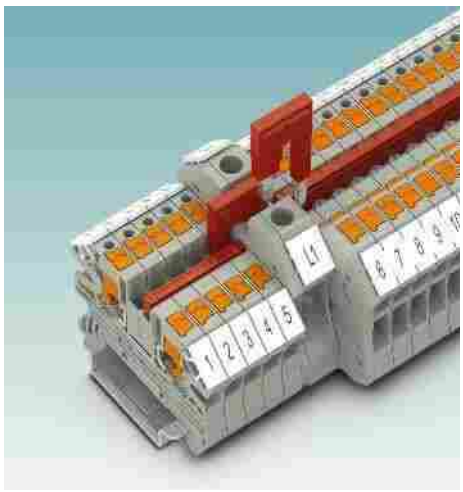




The PTV series features a combination of the Push-in connection with the vertical wiring direction of the screw terminal block. This combination ensures an easier, more direct, and self-explanatory connection.



The wiring direction of the PTV terminal blocks enables clear wiring without bend radii. This ensures that the connection markings are clear to see. Furthermore, no additional space is required above the terminal blocks which is an advantage in flat control boxes.



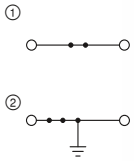
As with the PT 2,5, the PTV terminal blocks use accessories from the CLIPLINE complete system. Therefore, the standard bridges FBS ... and reducing bridge RB ... can be used for potential distribution.

2.5 mm² PT Push-in connection terminal blocks

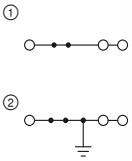
Feed-through, multi-conductor, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.



28 A, feed-through terminal block



28 A, feed-through terminal block, 3 connections

Dimensions		Technical data[1]) Width	Length	Height	
	[mm]	5.2	50.8	36.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28	800	0.14 - 4	-
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	- / -	- / -	- / -

Description	Color	Ordering data Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTV 2,5**	①	1078960	50
	blue	**PTV 2,5 BU**	①	1078962	50
Ground terminal	green-yellow	**PTV 2,5-PE**	②	1078963	50

Accessories[1])			
Cover, width: 2.2 mm	gray	**D-PTV 2,5**	1079914	50

Technical data[1]) Width	Length	Height	
5.2	60	46.9 (NS 35/7,5)	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
28	800	0.14 - 4	-
IEC	UL / CUL	CSA	Ex
800	-	-	-
24 / 2.5	- / -	- / -	- / -

Ordering data Type		Order No.	Pcs./Pkt.
PTV 2,5-TWIN	①	1078966	50
PTV 2,5-TWIN BU	①	1078971	50
PTV 2,5-TWIN-PE	②	1078991	50

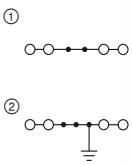
Accessories[1])		
D-PTV 2,5-TWIN	1079916	50

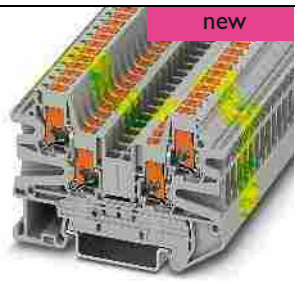
Feed-through, multi-conductor, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.

[2]) The max. load current must not be exceeded by the total current of all connected conductors.





28 A, feed-through terminal block, 4 connections

Dimensions		Technical data[1]) Width	Length	Height	
	[mm]	5.2	69.2	46.9 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28[2])	800	0.14 - 4	-
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	- / -	- / -	- / -

Description	Color	Ordering data Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTV 2,5-QUATTRO**	①	1078999	50
	blue	**PTV 2,5-QUATTRO BU**	①	1079006	50
Ground terminal	green-yellow	**PTV 2,5-QUATTRO-PE**	②	1079012	50

Accessories[1])		
Cover, width: 2.2 mm	gray	**D-PTV 2,5-QUATTRO**	1079917	50

Disconnect terminal blocks and knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.

[2]) Current and voltage are determined by the plug used.

new

20 A, disconnect terminal block

new

20 A, knife disconnect terminal block

Dimensions	
	[mm]
Maximum electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
5.2	**62**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400[2])**	**0.14 - 4**	**-**
IEC	UL / CUL	CSA	Ex
400[2])	-	-	-
20 / 2.5	- / -	- / -	- / -

Ordering data

Description	Color
Disconnect terminal block	gray
Knife disconnect terminal block	gray
	blue

Type		Order No.	Pcs./Pkt.
PTVC 2,5-TG	①	1079061	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTV 2,5**	1079914	50

Technical data[1])

Width	Length	Height	
5.2	**62**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400**	**0.14 - 4**	**-**
IEC	UL / CUL	CSA	Ex
400	-	-	-
20 / 2.5	- / -	- / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PTVC 2,5-MT	①	1079059	50
PTVC 2,5-MT BU	①	1079060	50

Accessories[1])

D-PTV 2,5	1079914	50

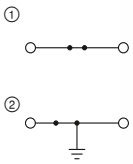
2.5 mm² PT Push-in connection terminal blocks

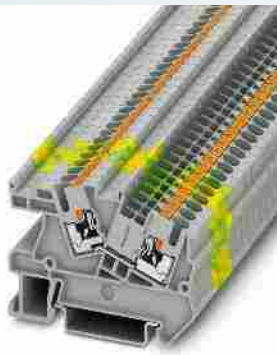
Installation terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products





24 A, feed-through terminal block

24 A, neutral disconnect terminal block

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**59.5**	**44 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**800**	**0.14 - 4**	**26-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	20 / -	- / -
Rated cross section	[mm²]	4			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
2 conductors (of the same type)	[mm²]	-	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTI 2,5**	①	3213968	50
	blue	**PTI 2,5 BU**	①	3213969	50
Ground terminal	green-yellow	**PTI 2,5-PE**	②	3213962	50
Neutral disconnect terminal block	blue				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTI 2,5**	1016672	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue	**AB-PTI**	3214006	50

Technical data[1])

Width	Length	Height		
5.2	**59**	**46.3 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
24	**250**	**0.14 - 4**	**26-12**	
24 (FBS) / 17.5 (FBSR)				
IEC	UL / CUL	CSA	Ex	
250	600	-	-	
24 / 2.5	20 / -	- / -	- / -	
4				
Rigid	Flexible	Ferrule without/with plastic sleeve		
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5	
0.2 - 1.5	-	-	-	

Ordering data

Type		Order No.	Pcs./Pkt.
PTN 2,5	①	3213963	50

Accessories[1])

D-PTN 2,5	3213977	50
AB-PTI	3214006	50

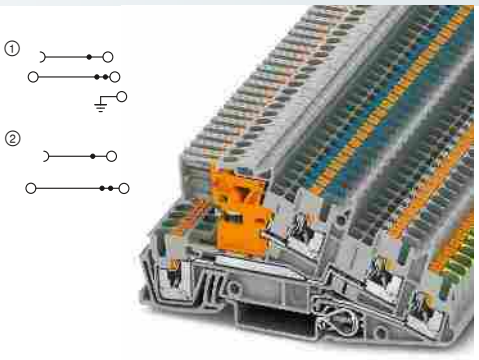
Installation terminal blocks

Notes:

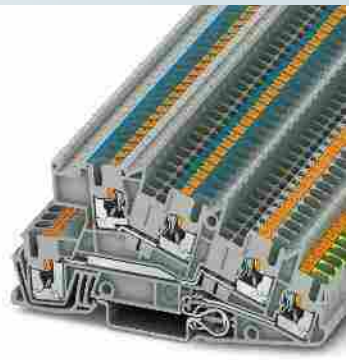
[1]) For additional accessories and technical data, see page 70.

[2]) 3-pos. termination block.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products



30 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor can be disconnected, 1 x PE



30 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor, 1 x PE

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Connection capacity	
1 conductor	[mm²]

Technical data[1])

Width	Length	Height	
5.2	**101**	**50.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30[2])	**400**	**0.14 - 4**	**26-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	300	300	-
24 / 4	20 / -	20 / -	- / -
4			
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5

Ordering data

Description	Color
Terminal block, upper level blue	gray
	gray
upper level gray	gray

Type		Order No.	Pcs./Pkt.
PTI 2,5-PE/L/NT	①	3213946	50
PTI 2,5-L/NT	②	3213947	50
PTI 2,5-L/LT	②	3213948	50

Accessories[1])

Cover, width: 2.2 mm	gray
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue

Type	Order No.	Pcs./Pkt.
D-PTI/3	3213975	50
AB-PTI/3	3213974	50

Technical data[1])

Width	Length	Height	
5.2	**101**	**50.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30[2])	**400**	**0.14 - 4**	**26-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	300	300	-
24 / 4	20 / -	20 / -	- / -
4			
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5

Ordering data

Type		Order No.	Pcs./Pkt.
PTI 2,5-PE/L/N	①	3213950	50
PTI 2,5-PE/L/L	①	3213949	50

Accessories[1])

Type	Order No.	Pcs./Pkt.
D-PTI/3	3213975	50
AB-PTI/3	3213974	50

2.5 mm² PT Push-in connection terminal blocks

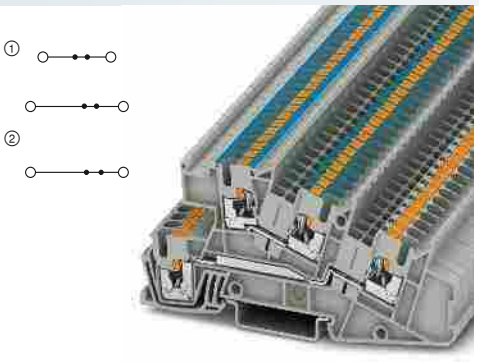
Installation terminal blocks

Notes:

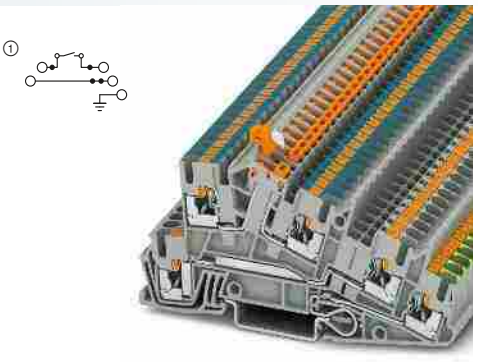
[1]) For additional accessories and technical data, see page 70.

[2]) 3-pos. termination block.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products



30 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor



30 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor can be disconnected, 1 x PE

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**5.2**	**101**	**50.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30[2])	**400**	**0.14 - 4**	**26-12**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	300	300	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	- / -
Nominal current / cross section [A] / [mm²]	-			
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**5.2**	**101**	**50.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30[2])	**400**	**0.14 - 4**	**26-12**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	300	300	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	- / -
Nominal current / cross section [A] / [mm²]	16 / 1.5 (disconnect level)			
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, upper level blue	gray	**PTI 2,5-L/N**	①	3213954	50
	gray	**PTI 2,5-L/L**	①	3213953	50
	gray/blue	**PTI 2,5-N**	②	3213952	50
	gray	**PTI 2,5-L**	②	3213951	50

Ordering data

Type		Order No.	Pcs./Pkt.
PTI 2,5-PE/L/NTB	①	3213955	50
PTI 2,5-PE/L/LTB	①	3213957	50

Accessories[1])

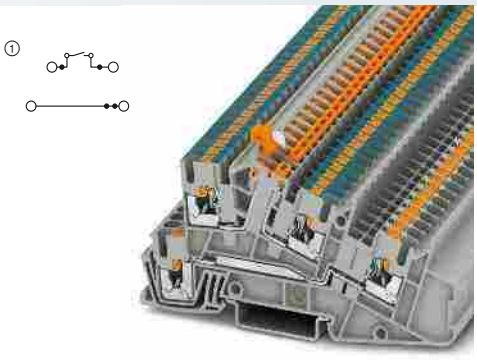
Cover, width: 2.2 mm	gray	**D-PTI/3**	3213975	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue	**AB-PTI/3**	3213974	50

Accessories[1])

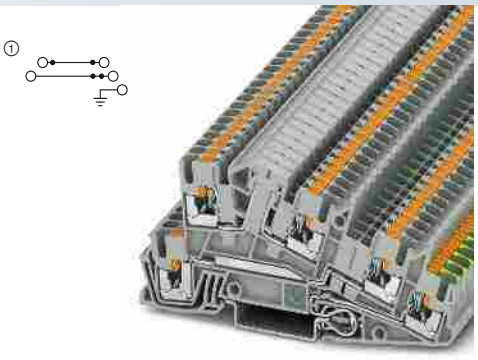
D-PTI/3B		3213976	50

Installation terminal blocks

Notes:
1) For additional accessories and technical data, see page 70.
2) 3-pos. termination block.



30 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor can be disconnected



30 A, three-level terminal block, 2 x L outer conductor, 1 x PE

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Nominal current / cross section	[A] / [mm²]
Connection capacity	
1 conductor	[mm²]

Technical data[1])

Width	Length	Height	
5.2	**101**	**50.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30[2])	**400**	**0.14 - 4**	**-**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	-	300	-
24 / 2.5	- / -	20 / -	- / -
16 / 1.5 (disconnect level)			
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5

Ordering data

Description	Color
Terminal block, upper level blue	gray
upper level gray	gray

Type		Order No.	Pcs./Pkt.
PTI 2,5-L/NTB	①	3213956	50
PTI 2,5-L/LTB	①	3213958	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTI/3B**	3213976	50

Technical data[1])

Width	Length	Height	
5.2	**101**	**50.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30[2])	**400**	**0.14 - 4**	**26-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	300	300	-
24 / 2.5	20 / -	20 / -	- / -
-			
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5

Ordering data

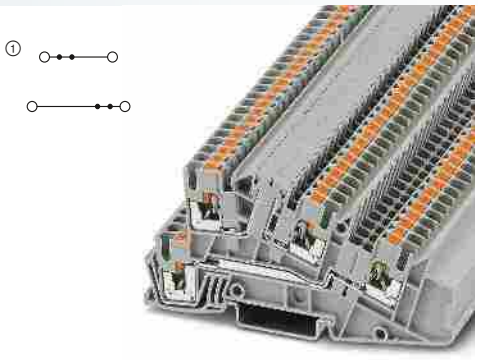
Type		Order No.	Pcs./Pkt.
PTI 2,5-PE/L/LB	①	3213959	50

Accessories[1])

D-PTI/3B	3213976	50

Installation terminal blocks

Notes:
[1]) For additional accessories and technical data, see page 70.
[2]) 3-pos. termination block.



30 A, three-level terminal block, 2 x L outer conductors

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**101**	**50.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[2])	**400**	**0.14 - 4**	**-**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 4	- / -	- / -	- / -
Rated cross section	[mm²]	4			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
General data					
Stripping length	[mm]	10			

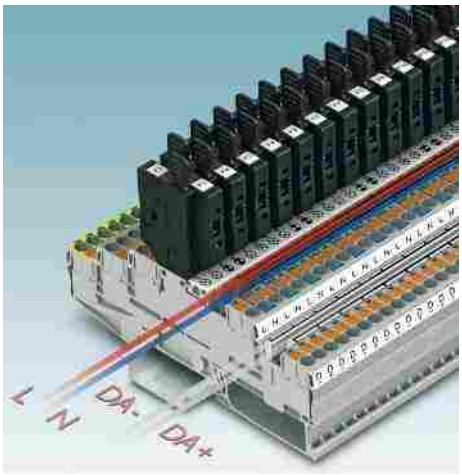
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTI 2,5-L/LB**	①	3213945	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTI/3B**	3213976	50

Installation terminal blocks



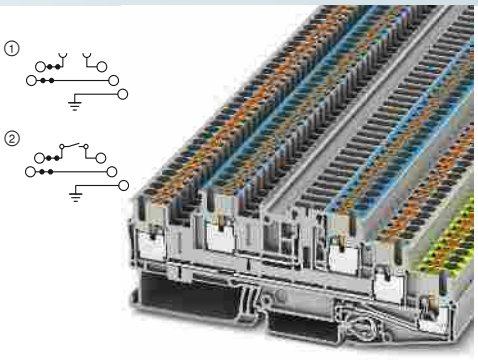
- The three-level installation terminal blocks have been specially developed for the building installation sector
- DALI-controlled emergency lighting systems can be conveniently fused and wired when space is at a premium
- Two function shafts can be used on each level on the inside of the control cabinet
- Quick and easy potential distribution, e.g., from the DALI bus system

Notes:

[1]) For additional accessories and technical data, see page 70.

[2]) Current and voltage are determined by the plug used.

[3]) 3-pos. termination block.



30 A, three-level terminal block, with disconnect zone and PE foot

EAC

Technical data[1])

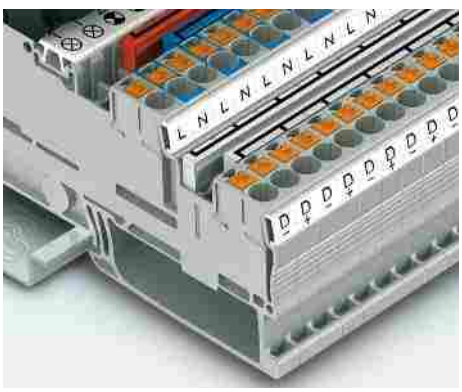
Dimensions				
	[mm]	Width	Length	Height
		5.2	**118**	**42.3 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30[3])	**400[2])**	**0.14 - 4** / **-**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400[2])	-	- / -
Nominal current / cross section	[A] / [mm²]	22 / 2.5	- / -	- / - / - / -
Nominal current / cross section	[A] / [mm²]	16 / 2.5 (disconnect level)		
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5

Ordering data

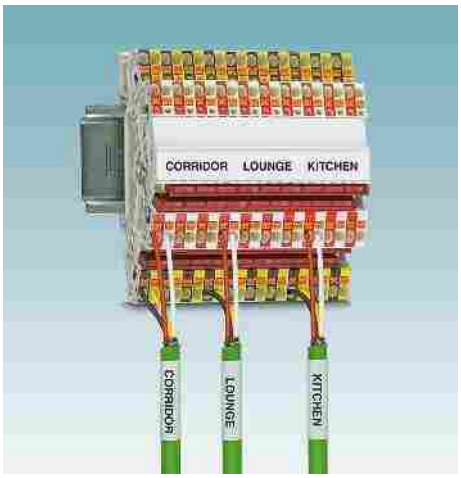
Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTB 2,5-PE/L/NTG**	①	3210545	50
	gray	**PTB 2,5-PE/L/TG**	①	3210539	50
with disconnect knife	gray	**PTB 2,5-PE/L/MT**	②	3210549	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTB 2,5/3**	3210552	50



Installation Terminal Blocks

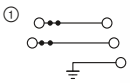


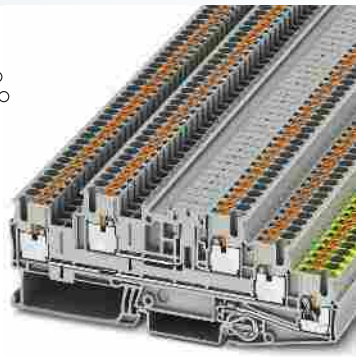
- The ...KNX terminal blocks (see page 40) make installation even easier
- Clear, color-coded assignment of the conductors and the terminal point marking
- Easy to use in sub-distribution units thanks to low height

Notes:

[1]) For additional accessories and technical data, see page 70.

[2]) 3-pos. termination block.





24 A, three-level terminal block, with PE foot

EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**118**	**42.3 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24[2])	**400**	**0.14 - 4** / **-**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400	-	- / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	- / -	- / - / - / -
Nominal current / cross section	[A] / [mm²]	16 / 2.5 (disconnect level)		
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5 / 0.14 - 2.5

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Terminal block	gray	**PTB 2,5-PE/L/L** ①	3210547	50

Accessories[1])

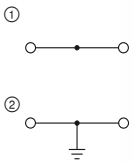
Cover, width: 2.2 mm	gray	**D-PTB 2,5-PE/L/L**	3210553	50

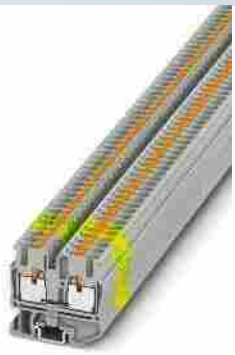
Mini feed-through and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 70.

For information on installation and using accessories for Ex applications, see page 678.





27 A, mini feed-through terminal block

Ex:
SEV14ATEX0140U / IECEx SEV14.0010U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**36**	**34.8 (NS 15)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		27	**500**	**0.14 - 4**	**26-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	440
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	20.5 / 4

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**MPT 2,5**	①	3248125	50
	blue	**MPT 2,5 BU**	①	3248126	50
Ground terminal	green-yellow	**MPT 2,5-PE**	②	3248130	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-MPT 2,5**	3248140	50

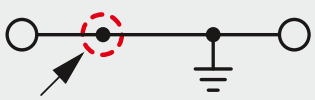
4 mm² PT Push-in connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm²]	4			
Cross section range	AWG	24 - 10			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1
Connection cross sections directly plug-in	[mm²]	0.5 - 6	-	0.5 - 4	0.5 - 4
General data					
Stripping length	[mm]	10 - 12			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



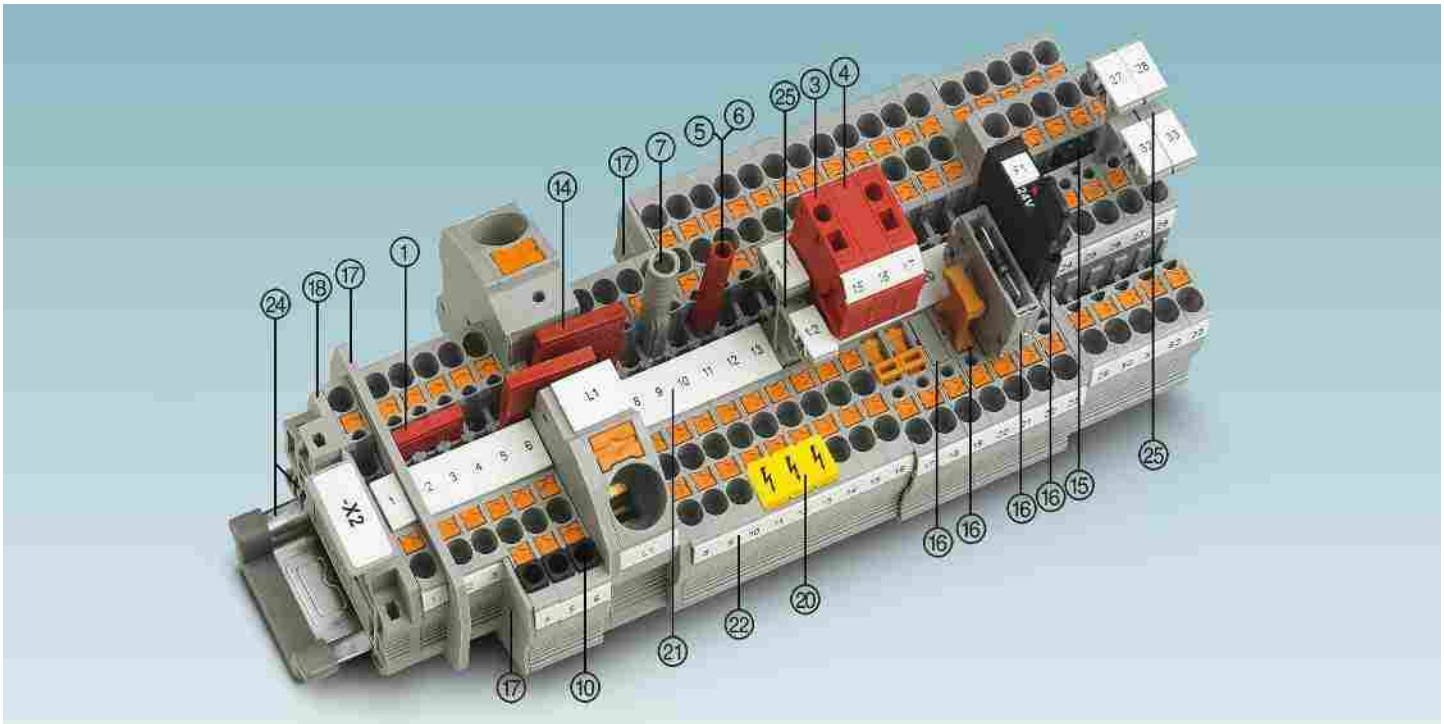
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-6**	3030336	50	**FBSR 2-6**	3033715	50
	3	red	**FBS 3-6**	3030242	50	**FBSR 3-6**	3001594	50
	4	red	**FBS 4-6**	3030255	50	**FBSR 4-6**	3001595	50
	5	red	**FBS 5-6**	3030349	50	**FBSR 5-6**	3001596	50
	10	red	**FBS 10-6**	3030271	10	**FBSR 10-6**	3033716	10
	20	red	**FBS 20-6**	3030365	10			
③ **Modular test plug**		red	**PS-6**	3030996	10			
Spacer plate		red	**DP PS-6**	3036738	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Insulating sleeve, 0.25 - 0.5 mm²		gray	**ISH 4/0,5**	3002885	50			
0.75 - 1 mm²		black	**ISH 4/1,0**	3002898	50			
Screwdriver			**SZF 1-0,6X3,5**	1204517	10			

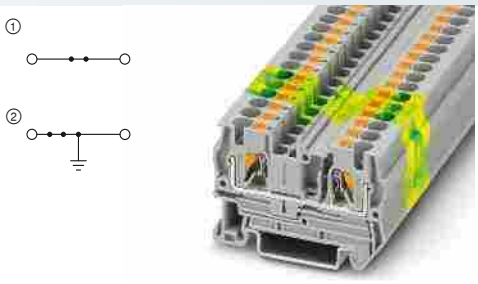
Reducing bridge	**For RB ..., see page 408.**
Vertical potential bridge	**For FBS-PV ..., see page 404.**
Fuse and function plugs for disconnect terminal blocks	**For P-FU ... / P-DI / P-FIX / P-CO ..., see from page 414.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Center groove labeling	**UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
Marker carrier	**For STP ..., see page 418.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 98.

For information on installation and using accessories for Ex applications, see page 678.



36 A, feed-through terminal block

Ex: EAC Ex
PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data[1])

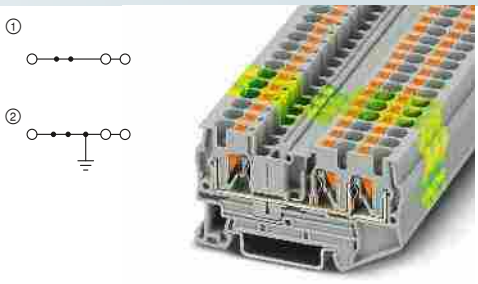
Dimensions				
	[mm]	Width	Length	Height
		6.2	56	36.5 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		36	800	0.2 - 6 / 24-10
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / - / 26 / 4

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 4**	①	3211757	50
	blue	**PT 4 BU**	①	3211760	50
Ground terminal	green-yellow	**PT 4-PE**	②	3211766	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-ST 4**	3030420	50



36 A, feed-through terminal block, 3 connections

Ex: EAC Ex
PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data[1])

Width	Length	Height		
6.2	66.5	36.5 (NS 35/7,5)		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
36	800	0.2 - 6	24-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
32 / 4	30 / -	30 / -	26 / 4	

Ordering data

Type		Order No.	Pcs./Pkt.
PT 4-TWIN	①	3211771	50
PT 4-TWIN BU	①	3211775	50
PT 4-TWIN-PE	②	3211780	50

Accessories[1])

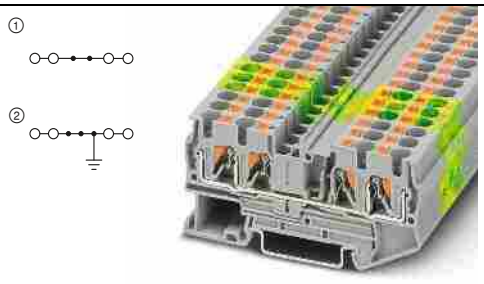
D-PT 4-TWIN	3208977	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 98.

For information on installation and using accessories for Ex applications, see page 678.



38 A, feed-through terminal block, 4 connections

Ex: EAC Ex
PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data[1])

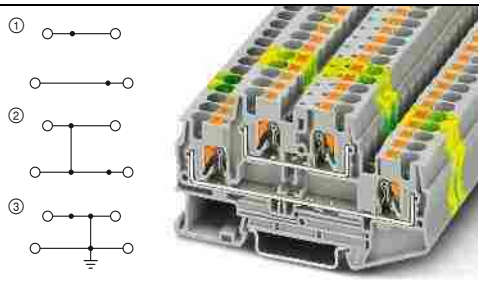
Dimensions				
	[mm]	Width	Length	Height
		6.2	77	36.5 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		38	800	0.2 - 6 / 24-10
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / - / 26 / 4

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 4-QUATTRO**	①	3211797	50
	blue	**PT 4-QUATTRO BU**	①	3211802	50
With potential distribution	gray				
Ground terminal	green-yellow	**PT 4-QUATTRO-PE**	②	3211809	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PT 4-QUATTRO**	3208979	50



32 A, double-level terminal block, 4 connections

Ex: EAC Ex
PTB 09ATEX1112U / IECEx PTB 10.0046U

Technical data[1])

Width	Length	Height		
6.2	83.5	47.5 (NS 35/7,5)		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
32	500	0.2 - 6	24-10	
26 (FBS) / 20 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	600	440	
28 / 4	28 / -	30 / -	23 / 4	

Ordering data

Type		Order No.	Pcs./Pkt.
PTTB 4	①	3211786	50
PTTB 4 BU	①	3211793	50
PTTB 4-PV	②	3211825	50
PTTB 4-PE	③	3211854	50

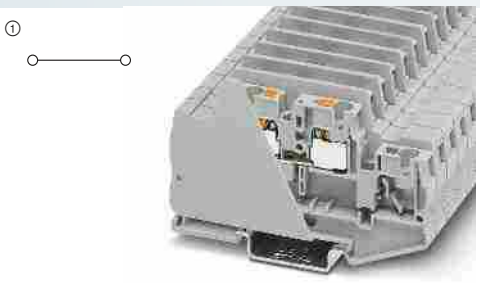
Accessories[1])

D-STTB 4	3030462	50

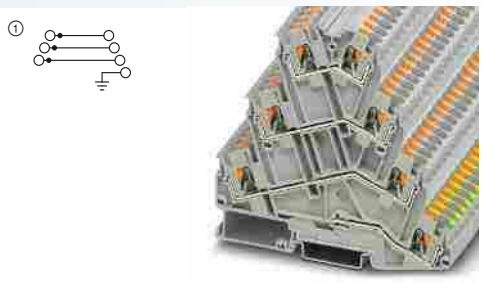
Feed-through and multi-level terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 98.



38 A, 1000 V, feed-through terminal block, incl. cover



32 A, four-level terminal block with PE foot

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**8.2**	**83.5**	**47.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		38	**1000**	**0.2 - 6**	**24-10**
Maximum bridge current	[A]	-			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	1000	1000	-
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / -	- / -

Description	Color	Ordering data Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTTB 4-L 1000V**	①	3062744	50

Accessories[1])			
Cover, width: 2.2 mm	gray		

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**6.2**	**104.4**	**96.9 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**800**	**0.2 - 6**	**24-10**
		22 (FBS) / 20 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		800	600	-	-
		26 / 4	28 / -	- / -	- / -

Ordering data Type		Order No.	Pcs./Pkt.
PT 4-PE/3L	①	3210442	50

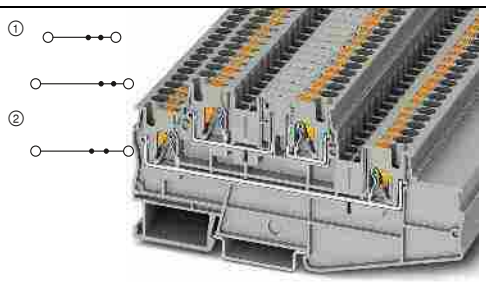
Accessories[1])			
D-PT 4-PE/3L		3210443	50

Multi-level terminal blocks

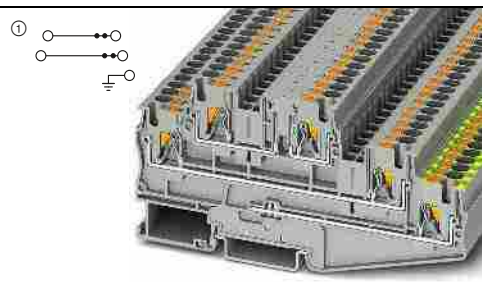
– Same shape as three-level fuse terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 98.



32 A, multi-level terminal block



32 A, multi-level terminal block with PE foot

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**6.2**	**118.5**	**56 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**500**	**0.2 - 6**	**24-10**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	30 / 4	16 / -	16 / -	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-

Description	Color	Ordering data Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 4-L/L**	①	3002615	50
	gray	**PT 4-L**	②	3002616	50
upper level blue	gray				

Accessories[1])			
Cover, width: 2.2 mm	gray		

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**6.2**	**119.5**	**56 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**500**	**0.2 - 6**	**24-10**
		32 (FBS) / 24 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		500	600	600	-
		30 / 4	16 / -	16 / -	- / -
		Rigid	Flexible	Ferrule without/with plastic sleeve	
		-	-	-	0.5 - 1

Ordering data Type		Order No.	Pcs./Pkt.
PT 4-PE/L/L	①	3002613	50
PT 4-PE/L/N	①	3002614	50

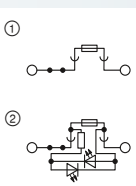
Accessories[1])			
D-PT 4-PE/L/HESI		3002619	50

Fuse terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 98.

[2]) The current is determined by the fuse used, the voltage by the selected LED display. Observe the maximum power dissipation, see phoenixcontact.net/products.



6.3 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses, 2 function shafts

Technical data[1])

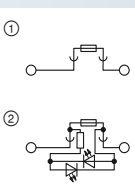
Dimensions				
	Width	Length	Height	
	[mm]	6.2	56	64.8 (NS 35/7,5)
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	6.3[2])	500[2])	0.2 - 6	24-10
Maximum bridge current [A]	32 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500[2])	300	300	-
Nominal current / cross section [A] / [mm²]	6.3 / 4	6.3 / -	6.3 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Fuse terminal block	black	**PT 4-HESI (5X20)**	①	3211861	50
With LED display 12 ... 30 V AC/DC, 0.31 ... 0.95 mA	black	**PT 4-HESILED 24 (5X20)**	②	3211903	50
30 ... 60 V AC/DC, 0.40 ... 0.86 mA	black	**PT 4-HESILED 60 (5X20)**	②	3207908	50
110 ... 250 V AC/DC, 0.41 ... 0.96 mA	black	**PT 4-HESILA 250 (5X20)**	②	3211907	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-ST 4**	3030420	50



6.3 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses

Technical data[1])

Dimensions				
	Width	Length	Height	
	8.2	67.8	42.8 (NS 35/7,5)	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	6.3[2])	500[2])	0.2 - 6	24-10
Maximum bridge current	-			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500[2])	300	-	-
Nominal current / cross section [A] / [mm²]	6.3 / 1	6.3 / -	- / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PTC 4-HESI (5X20)	①	3270200	50
PTC 4-HESILED 24 (5X20)	②	3270203	50
PTC 4-HESILED 60 (5X20)	②	3270205	50
PTC 4-HESILA 250 (5X20)	②	3270197	50

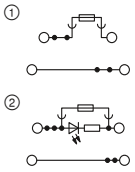
Accessories[1])

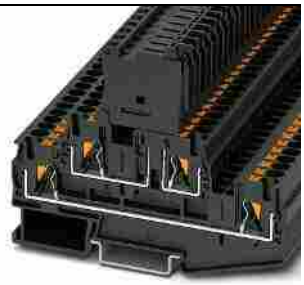
D-PTC 2,5-TWIN-MT	3270100	50

Fuse terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 98.





Technical data[1])

Dimensions				
	Width	Length	Height	
	[mm]	6.2	102.9	75.5 (NS 35/7,5)
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	32	500	0.2 - 6	24-10
Maximum bridge current [A]	22 (FBS) / 22 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	28 / 4	6.3 / -	6.3 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Fuse terminal block	black	**PTTB 4-HESI (5X20)**	①	3211886	50
With LED display 12 ... 30 V AC/DC, 0.31 ... 0.95 mA	black	**PTTB 4-HESILED 24 (5X20)**	②	3211888	50
30 ... 60 V AC/DC, 0.40 ... 0.86 mA	black	**PTTB 4-HESILED 60 (5X20)**	②	3211890	50
110 ... 250 V AC/DC, 0.41 ... 0.96 mA	black	**PTTB 4-HESILED 250 (5X20)**	②	3211892	50

Accessories[1])

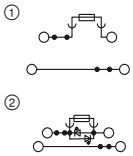
Cover, width: 2.2 mm	gray	**D-PTTB 4-TG**	3211918	50

Fuse terminal blocks

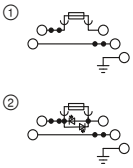
Notes:

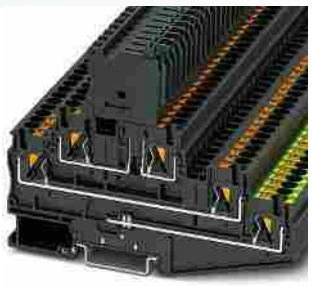
[1]) For additional accessories and technical data, see page 98.

[2]) The current is determined by the fuse used.



32 A, fuse terminal block for 5 x 20 mm cartridge fuses





32_A, fuse terminal block for 5 x 20 mm cartridge fuses, PE foot

Technical data[1])			
Dimensions			
Width	Length	Height	
6.2	118.5	83.9 (NS 35/7,5)	
[mm]			
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	500	0.2 - 6	24-10
Maximum bridge current [A]	32 (FBS) / 24 (FBSR)		
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	28 / 4	6.3 / -	6.3 / -	- / -
Nominal current / cross section [A] / [mm²]	6.3[2]) / 4 (disconnect level)			

Technical data[1])			
Dimensions			
Width	Length	Height	
6.2	118.5	83.9 (NS 35/7,5)	
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	500	0.2 - 6	24-10
Maximum bridge current [A]	32 (FBS) / 24 (FBSR)		
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	28 / 4	6.3 / -	6.3 / -	- / -
Nominal current / cross section [A] / [mm²]	6.3[2]) / 4 (disconnect level)			

Ordering data				
Description	Color	Type	Order No.	Pcs./Pkt.
Fuse terminal block	black	**PT 4-L/HESI (5X20)** ①	3002608	50
with LED for 12 ... 30 V DC, 0.31 ... 0.95 mA	black	**PT 4-L/HESILED 24 (5X20)** ②	3002609	50
30 ... 60 V AC/DC, 0.40 ... 0.86 mA	black	**PT 4-L/HESILED 60 (5X20)** ②	3002611	50
110 ... 250 V AC/DC, 0.41 ... 0.96 mA	black	**PT 4-L/HESILED 250 (5X20)** ②	3002612	50

Accessories[1])			
Cover, width: 2.2 mm	gray	**D-PT 4-PE/L/HESI**	3002619	50

Ordering data				
Description	Color	Type	Order No.	Pcs./Pkt.
Fuse terminal block	black	**PT 4-PE/L/HESI (5X20)** ①	3002602	50
with LED for 12 ... 30 V DC, 0.31 ... 0.95 mA	black	**PT 4-PE/L/HESILED 24 (5X20)** ②	3002603	50
30 ... 60 V AC/DC, 0.40 ... 0.86 mA	black	**PT 4-PE/L/HESILED 60 (5X20)** ②	3002604	50
110 ... 250 V AC/DC, 0.41 ... 0.96 mA	black	**PT 4-PE/L/HESILED 250 (5X20)** ②	3002605	50

Accessories[1])			
Cover, width: 2.2 mm	gray	**D-PT 4-PE/L/HESI**	3002619	50

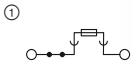
Fuse terminal blocks

Notes:

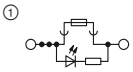
[1]) For additional accessories and technical data, see page 98.

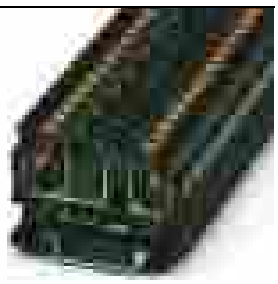
[2]) The current is determined by the fuse used, the voltage by the LED display.

[3]) 15 A for single arrangement, 10 A for group arrangement. For the derating curve, see phoenixcontact.net/products. The recommended continuous load capacity of fuse inserts in accordance with DIN 72581/Part 3 is a maximum of 80% of their nominal current (at an ambient temperature of 23°C).



15 A, fuse terminal block, for type F flat-type fuses





15 A, fuse terminal block with LED display, for type F flat-type fuses

Technical data[1])			
Dimensions			
Width	Length	Height	
6.2	56	36.5 (NS 35/7,5)	
[mm]			
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
15[3])	400[2])	0.2 - 6	24-10
Maximum bridge current [A]	32 (FBS) / 24 (FBSR)		
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400[2])	300	300	-
Nominal current / cross section [A] / [mm²]	10[2]) / 4	7.5 / -	15 / -	- / -

Technical data[1])			
Dimensions			
Width	Length	Height	
6.2	56	36.5 (NS 35/7,5)	
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
15[3])	12[2])	0.2 - 6	24-10
Maximum bridge current [A]	32 (FBS) / 24 (FBSR)		
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	12[2])	300	12	-
Nominal current / cross section [A] / [mm²]	10[2]) / 4	7.5 / -	15 / -	- / -

Ordering data				
Description	Color	Type	Order No.	Pcs./Pkt.
Fuse terminal block	black	**PT 4-FSI/F** ①	3208943	50
with LED display for 12 V DC, 1.7 mA	black			
for 24 V DC, 1.9 mA	black			

Accessories[1])			
Cover, width: 2.2 mm	gray	**D-ST 4**	3030420	50

Ordering data			
Type		Order No.	Pcs./Pkt.
PT 4-FSI/F-LED 12	①	3208951	50
PT 4-FSI/F-LED 24	①	3208964	50

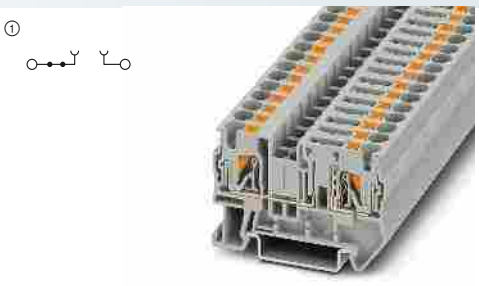
Accessories[1])			
D-ST 4		3030420	50

Disconnect and knife disconnect terminal blocks

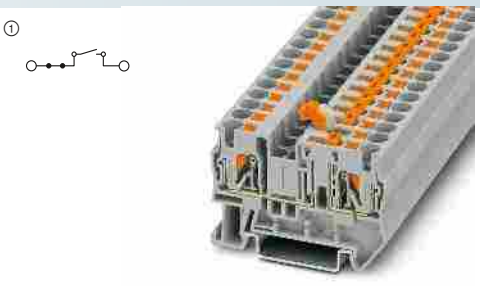
Notes:

1) For additional accessories and technical data, see page 98.

2) Current and voltage are determined by the plug used.



20 A, disconnect terminal block



20 A, knife disconnect terminal block

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		6.2	**56**	**36.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20²)	**500²)**	**0.2 - 6** / **24-10**
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR) / 20 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500²)	300	300 / -
Nominal current / cross section	[A] / [mm²]	20²) / 2.5	20 / -	20 / - / - / -

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		6.2	**56**	**36.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20	**500**	**0.2 - 6** / **24-10**
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	300 / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / - / - / -

Ordering data

Description	Color
Disconnect terminal block	gray
Knife disconnect terminal block	gray
	blue

Type		Order No.	Pcs./Pkt.
PT 4-TG	1	3211922	50

Ordering data

Type		Order No.	Pcs./Pkt.
PT 4-MT	1	3211933	50
PT 4-MT BU	1	3211934	50

Accessories1)

Cover, width: 2.2 mm	gray	**D-ST 4**	3030420	50

Accessories1)

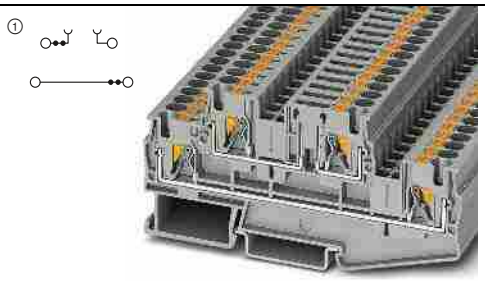
D-ST 4	3030420	50

Disconnect and knife disconnect terminal blocks

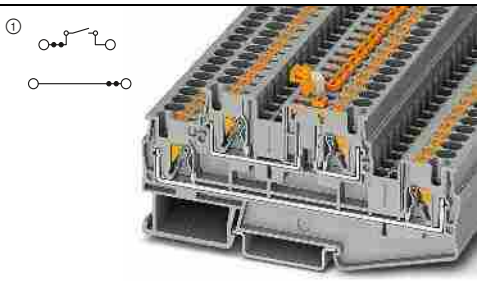
Notes:

1) For additional accessories and technical data, see page 98.

2) Current and voltage are determined by the plug used.



32 A, double-level terminal block, one disconnect zone



32 A, double-level knife disconnect terminal block, one disconnect zone

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		6.2	**102.9**	**47.4 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32²)	**500²)**	**0.2 - 6** / **24-10**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500²)	600	600 / -
Nominal current / cross section	[A] / [mm²]	28²) / 4	16 / -	16 / - / - / -
Nominal current / cross section	[A] / [mm²]	20 / 4 (disconnect level)		

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		6.2	**102.9**	**49 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	**500**	**0.2 - 6** / **24-10**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	28²) / 4	16 / -	16 / - / - / -
Nominal current / cross section	[A] / [mm²]	20 / 4 (disconnect level)		

Ordering data

Description	Color
Disconnect terminal block	gray
	blue
Knife disconnect terminal block	gray
	blue

Type		Order No.	Pcs./Pkt.
PTTB 4-TG	1	3211909	50
PTTB 4-TG BU	1	3211911	50

Ordering data

Type		Order No.	Pcs./Pkt.
PTTB 4-MT	1	3211913	50
PTTB 4-MT BU	1	3211915	50

Accessories1)

Cover, width: 2.2 mm	gray	**D-PTTB 4-TG**	3211918	50

Accessories1)

D-PTTB 4-TG	3211918	50

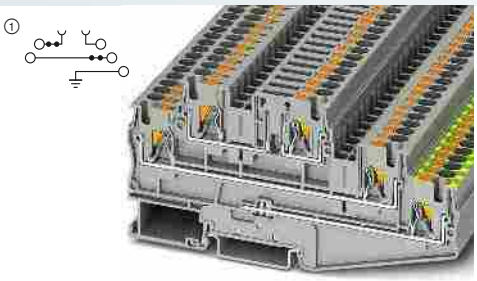
4 mm² PT Push-in connection terminal blocks

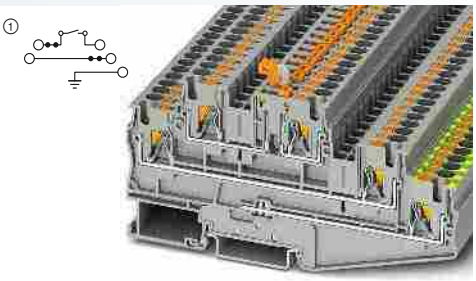
Disconnect and knife disconnect terminal blocks

– Same shape as three-level fuse terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 98.





Technical data[1])					Technical data[1])			
Dimensions		Width	Length	Height	Width	Length	Height	
	[mm]	**6.2**	**119.5**	**56 (NS 35/7,5)**	**6.2**	**119.5**	**57.6 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**500**	**0.2 - 6** **24-10**	**32**	**500**	**0.2 - 6**	**24-10**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			20 (FBS) / 20 (FBSR)			
Rated data		IEC	UL / CUL	CSA Ex	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600 -	500	600	600	-
Nominal current / cross section	[A] / [mm²]	30 / 4	16 / -	16 / - - / -	30 / 4	16 / -	16 / -	- / -
Nominal current / cross section	[A] / [mm²]	20 / 4 (disconnect level)			20 / 4 (disconnect level)			

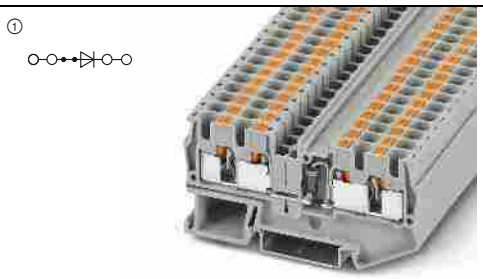
Ordering data				Ordering data			
Description	Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
Disconnect terminal block	gray	**PT 4-PE/L/TG** ①	3002618	50			
Knife disconnect terminal block	gray				**PT 4-PE/L/MT** ①	3002617	50

Accessories[1])				Accessories[1])			
Cover, width: 2.2 mm	gray	**D-PT 4-PE/L/HESI**	3002619	50	**D-PT 4-PE/L/HESI**	3002619	50

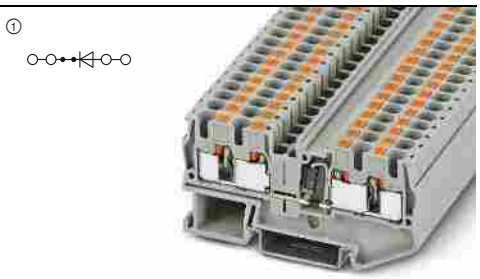
Diode terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 98.



1.5 A, diode terminal block, 1N 5408 (1000 V/1.5 A)



1.5 A, diode terminal block, 1N 5408 (1000 V/1.5 A)

Technical data[1])					Technical data[1])			
Dimensions		Width	Length	Height	Width	Length	Height	
	[mm]	**6.2**	**77**	**36.5 (NS 35/7,5)**	**6.2**	**77**	**36.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		1.5	**800**	**0.2 - 6** **24-10**	**1.5**	**800**	**0.2 - 6**	**24-10**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA Ex	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600 -	800	600	600	-
Nominal current / cross section	[A] / [mm²]	1.5 / 1	1.5 / -	1.5 / - - / -	1.5 / 1	1.5 / -	1.5 / -	- / -

Ordering data				Ordering data			
Description	Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**PT 4-QUATTRO-DIO 1N 5408/L-R** ①	3211919	50	**PT 4-QUATTRO-DIO 1N 5408/R-L** ①	3211921	50

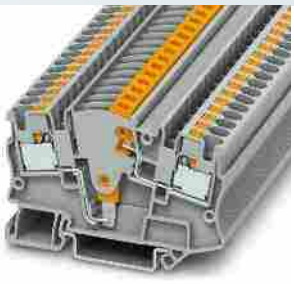
Accessories[1])				Accessories[1])			
Cover, width: 2.2 mm	gray	**D-PT 4-QUATTRO**	3208979	50	**D-PT 4-QUATTRO**	3208979	50

Test disconnect terminal blocks

Notes:

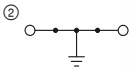
[1]) For additional accessories and technical data, see page 98.

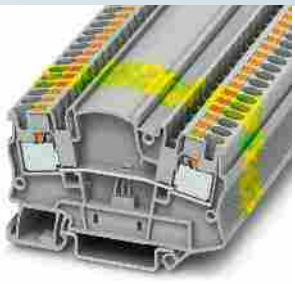
①



24 A, test disconnect terminal block

①

② 



32 A, feed-through terminal block, same shape

EAC

EAC

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
6.2	**70.5**	**49.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**500**	**0.2 - 6**	**24-10**
24 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	300	300	-
24 / 4	26 / -	26 / -	- / -

Ordering data

Description	Color
Terminal block	gray
Ground terminal	green-yellow

Type		Order No.	Pcs./Pkt.
PTME 4	①	3212139	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTME 4**	3212167	10

Technical data[1])

Width	Length	Height	
6.2	**70.5**	**49.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**500**	**0.2 - 6**	**24-10**
28 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	300	300	-
32 / 4	26 / -	26 / -	- / -

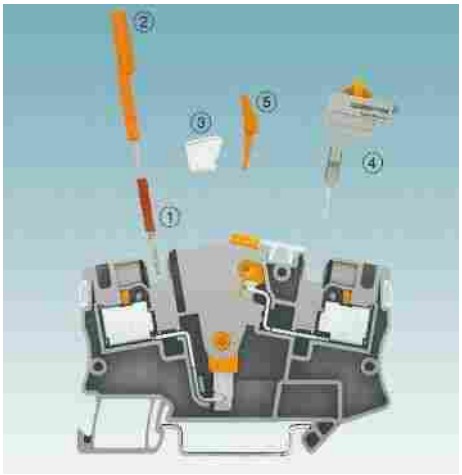
Ordering data

Type		Order No.	Pcs./Pkt.
PTMED 4	①	3212141	50
PTMED 4-PE	②	3212154	50

Accessories[1])

D-PTME 4	3212167	10

Supplementary accessories for PTME 4 test disconnect terminal blocks



– A current transformer measuring circuit can be created using just two PTME 4
– Less space required compared to creating circuits with slide-type terminal blocks

① FBS... plug-in bridge for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 4 switching lock
SB-ME... bridge bar
C−ME 4/2 operating lever

Ordering data

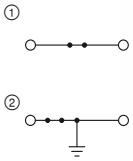
Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange	**PAI-4-FIX-5/6 OG**	3035974	10
	1	yellow	**PAI-4-FIX-5/6 YE**	3035977	10
	1	green	**PAI-4-FIX-5/6 GN**	3035978	10
	1	violet	**PAI-4-FIX-5/6 VT**	3035979	10
	1	black	**PAI-4-FIX-5/6 BK**	3035980	10
	1	blue	**PAI-4-FIX-5/6 BU**	3035975	10
	1	red	**PAI-4-FIX-5/6 RD**	3035976	10
	1	gray	**PAI-4-FIX-5/6 GY**	3035982	10
	1	brown	**PAI-4-FIX-5/6 BN**	3035981	10
	1	white	**PAI-4-FIX-5/6 WH**	3035983	10
Switching lock, plug-in		white	**S-ME 4**	3035758	10
Switching bridge, plug-in	2	gray/orange	**SB-ME 2-6**	3035755	10
	3	gray/orange	**SB-ME 3-6**	3035756	10
	4	gray/orange	**SB-ME 4-6**	3035757	10
Operating lever, for actuating 2 test disconnect terminal blocks	2	orange	**C-ME 4/2**	3035759	10
	3	orange	**C-ME 4/3**	3035760	10

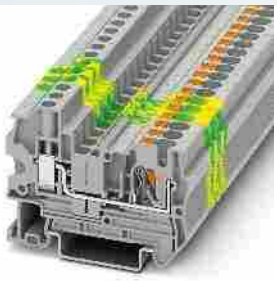
Hybrid terminal blocks with screw connection on one side, 4 (6) mm²

Notes:

[1]) For additional accessories and technical data, see page 98.

[2]) For screw connection rated data, see page 158.



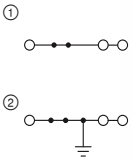


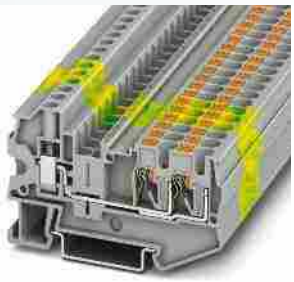
38 A, feed-through terminal block

Dimensions		Technical data[1])			
	[mm]	Width	Length	Height	
		6.2	58.8	42.8 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		38	800	0.2 - 6	24-10
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data[2])		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	- / -	- / -

Description	Color	Ordering data			
		Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTU 4**	①	3211855	50
	blue	**PTU 4 BU**	①	3211856	50
Ground terminal	green-yellow	**PTU 4-PE**	②	3211857	50

Accessories[1])			
Cover, width: 2.2 mm	gray	**D-PTU 4**	3211858	50





38 A, feed-through terminal block, 3 connections

Technical data[1])			
Width	Length	Height	
6.2	69.3	42.8 (NS 35/7,5)	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
38	800	0.2 - 6	24-10
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	600	-	-
32 / 4	30 / -	- / -	- / -

Ordering data			
Type		Order No.	Pcs./Pkt.
PTU 4-TWIN	①	3211859	50
PTU 4-TWIN BU	①	3211860	50
PTU 4-TWIN-PE	②	3211862	50

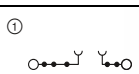
Accessories[1])		
D-PTU 4-TWIN	3211863	50

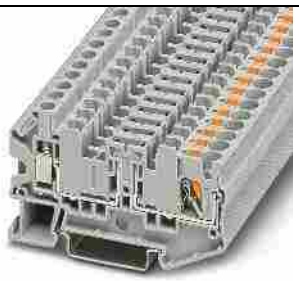
Hybrid terminal blocks with screw connection on one side, 4 (6) mm²

Notes:

[1]) For additional accessories and technical data, see page 98.

[2]) For screw connection rated data, see page 158.



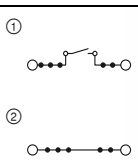


20 A, disconnect terminal block, 3 function shafts and two 4 mm test sockets

Dimensions		Technical data[1])			
	[mm]	Width	Length	Height	
		6.2	71	42.8 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	400	0.2 - 6	-
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)			
Rated data[2])		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	20 / 4	- / -	- / -	- / -

Description	Color	Ordering data			
		Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTU 4-TG**	①	3209542	50
With test socket screws	gray	**PTU 4-TG-P**	①	3209541	50
Feed-through terminal block, same shape	gray				
With test socket screws	gray				

Accessories[1])			
Cover, width: 2.2 mm	gray	**D-PTU 4-MT**	3209534	50



20 A, knife disconnect terminal block, 3 function shafts and two 4 mm test sockets

Technical data[1])			
Width	Length	Height	
6.2	71	42.8 (NS 35/7,5)	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	400	0.2 - 6	-
20 (FBS) / 20 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	-	-	-
20 / 4	- / -	- / -	- / -

Ordering data			
Type		Order No.	Pcs./Pkt.
PTU 4-MT	①	3209538	50
PTU 4-MT-P	①	3209532	50
PTU 4-MTD	②	3209539	50
PTU 4-MTD-P	②	3209540	50

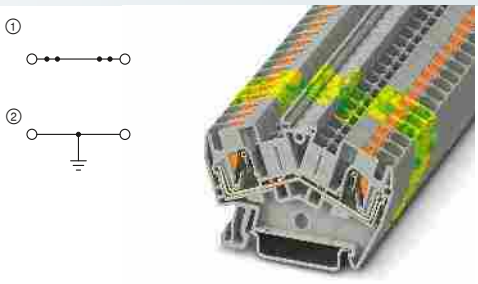
Accessories[1])		
D-PTU 4-MT	3209534	50

Feed-through terminal blocks, multi-conductor terminal blocks, and ground terminals in desk design

Notes:

1) For additional accessories and technical data, see page 98.

For information on installation and using accessories for Ex applications, see page 678.



38 A, feed-through terminal block

Ex:
KIWA17ATEX0048U / IECEx KIWA17.0026U

Technical data1)

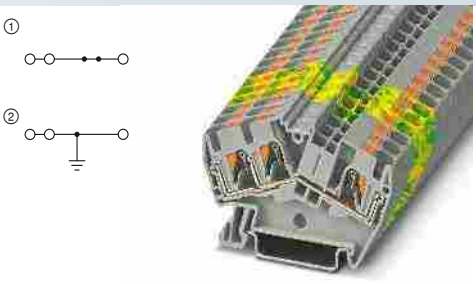
Dimensions				
	Width	Length	Height	
[mm]	6.2	62.4	43 (NS 35/7,5)	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	38	800	0.2 - 6	24-10
Maximum bridge current [A]	32 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	32 / 4	30 / -	30 / -	28 / 4

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTS 4**	①	3213601	50
	blue	**PTS 4 BU**	①	3213602	50
Ground terminal	green-yellow	**PTS 4-PE**	②	3213603	50

Accessories1)

Cover, width: 2.2 mm gray	**D-PTS 4**	3213600	10



38 A, feed-through terminal block, 3 connections

Ex:
KIWA17ATEX0048U / IECEx KIWA17.0026U

Technical data1)

Width	Length	Height		
6.2	62.4	43 (NS 35/7,5)		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
38	800	0.2 - 6	24-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	550	
32 / 4	30 / -	30 / -	28 / 4	

Ordering data

Type		Order No.	Pcs./Pkt.
PTS 4-TWIN	①	3213604	50
PTS 4-TWIN BU	①	3213605	50
PTS 4-TWIN-PE	②	3213606	50

Accessories1)

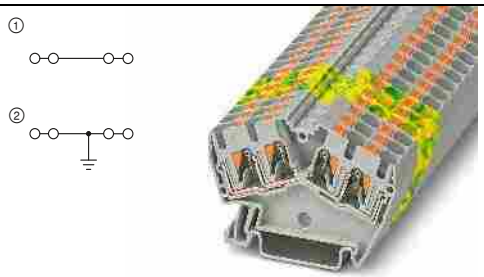
D-PTS 4	3213600	10	

Multi-conductor terminal blocks, multi-level terminal blocks, and ground terminals in desk design

Notes:

1) For additional accessories and technical data, see page 98.

For information on installation and using accessories for Ex applications, see page 678.



38 A, feed-through terminal block, 4 connections

Ex:
KIWA17ATEX0048U / IECEx KIWA17.0026U

Technical data1)

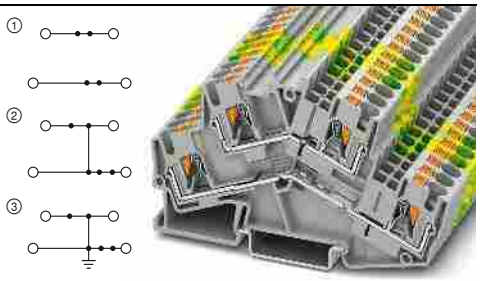
Dimensions				
	Width	Length	Height	
[mm]	6.2	62.4	43 (NS 35/7,5)	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	38	800	0.2 - 6	24-10
Maximum bridge current [A]	-			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	32 / 4	30 / -	30 / -	27 / 4

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTS 4-QUATTRO**	①	3213607	50
	blue	**PTS 4-QUATTRO BU**	①	3213608	50
With potential distribution	gray				
Ground terminal	green-yellow	**PTS 4-QUATTRO-PE**	②	3213609	50

Accessories1)

Cover, width: 2.2 mm gray	**D-PTS 4**	3213600	10



Ex:
KIWA17ATEX0048U / IECEx KIWA17.0026U

Technical data1)

Width	Length	Height		
6.2	96	54.5 (NS 35/7,5)		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
32	800	0.2 - 6	24-10	
26 (FBS) / 22 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	440	
28	24 / -	24 / -	23 / 4	

Ordering data

Type		Order No.	Pcs./Pkt.
PTTBS 4	①	3211832	50
PTTBS 4 BU	①	3211838	50
PTTBS 4-PV	②	3211848	50
PTTBS 4-PE	③	3211841	50

Accessories1)

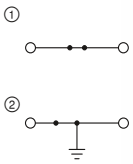
D-PTTBS 4	3211849	50	

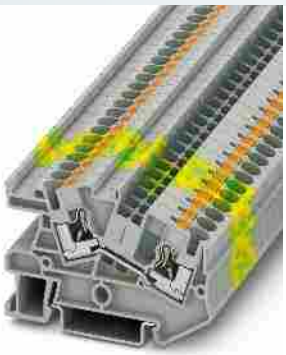
Installation terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 98.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products





32 A, feed-through terminal block

32 A, neutral disconnect terminal block

EAC

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**6.2**	**66**	**44 (NS 35/7,5)**	
Maximum electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	32	**800**	**0.2 - 6**	**-**
Maximum bridge current [A]	32 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	-	-	-
Nominal current / cross section [A] / [mm²]	32 / 4	- / -	- / -	- / -
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 6	0.2 - 6	0.25 - 4	0.25 - 4
2 conductors (of the same type) [mm²]	-	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTI 4**	①	3213970	50
	blue	**PTI 4 BU**	①	3213971	50
Ground terminal	green-yellow	**PTI 4-PE**	②	3213964	50
Neutral disconnect terminal block	blue				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTI 4**	1016697	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue	**AB-PTI**	3214006	50

EAC

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**6.2**	**66**	**46.3 (NS 35/7,5)**	
Maximum electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	32	**250**	**0.2 - 6**	**-**
Maximum bridge current [A]	32 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	250	-	-	-
Nominal current / cross section [A] / [mm²]	32 / 4	- / -	- / -	- / -
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
2 conductors (of the same type) [mm²]	0.2 - 2	-	-	-

Ordering data

Type		Order No.	Pcs./Pkt.
PTN 4	①	3213965	50

Accessories[1])

D-PTN 4	3213978	50
AB-PTI	3214006	50

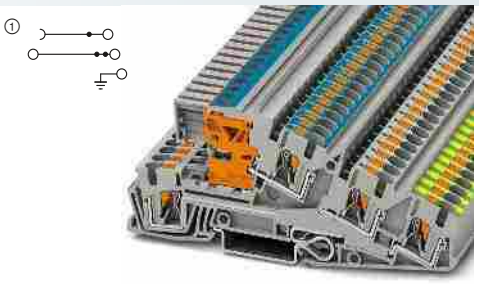
Installation terminal blocks

Notes:

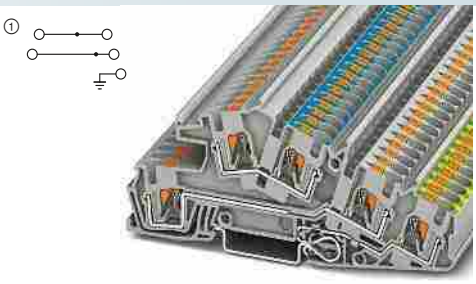
[1]) For additional accessories and technical data, see page 98.

[2]) Max. load current 32 A with a 6 mm² conductor cross section

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products



32 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor can be disconnected, 1 x PE



32 A, three-level terminal block, 2 x L outer conductor, 1 x PE

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**114**	**50.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2])	**400**	**0.2 - 6**	**20-8**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	600	-
Nominal current / cross section	[A] / [mm²]	28 / 4	27 / -	27 / -	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 6	0.25 - 4	0.25 - 4

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, upper level blue	gray	**PTI 4-PE/L/NT**	①	3214047	50
	gray	**PTI 4-PE/L/LT**	①	3214048	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTI 4/3**	3214054	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue	**AB-PTI 4/3**	3214053	50

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**114**	**50.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2])	**400**	**0.2 - 6**	**20-8**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	600	-
Nominal current / cross section	[A] / [mm²]	28 / 4	27 / -	27 / -	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 6	0.25 - 4	0.25 - 4

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, upper level blue	gray	**PTI 4-PE/L/N**	①	3214049	50
	gray	**PTI 4-PE/L/L**	①	3214050	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTI 4/3**	3214054	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue	**AB-PTI 4/3**	3214053	50

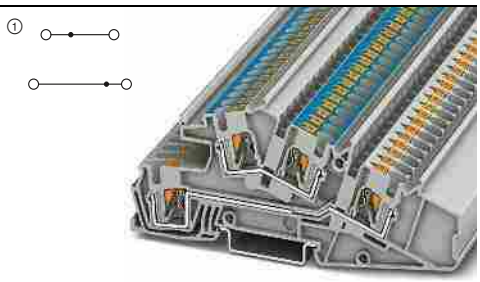
Installation terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 98.

[2]) Max. load current 32 A with a 6 mm² conductor cross section

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products



32 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**114**	**50.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2])	**400**	**0.2 - 6**	**20-8**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	600	-
Nominal current / cross section	[A] / [mm²]	28 / 4	27 / -	27 / -	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 6	0.25 - 4	0.25 - 4

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, upper level blue	gray	**PTI 4-L/N**	①	3214051	50
	gray	**PTI 4-L/L**	①	3214052	50

Accessories[1])

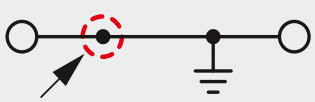
Cover, width: 2.2 mm	gray	**D-PTI 4/3**	3214054	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue	**AB-PTI 4/3**	3214053	50

6 mm² PT Push-in connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm²]	6			
Cross section range	AWG	20 - 8			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
Connection cross sections directly plug-in	[mm²]	1 - 10	-	1 - 6	1 - 6
General data					
Stripping length	[mm]	10 - 12			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			
Note: Additional or deviating data is listed alongside the respective product.					

Notes:



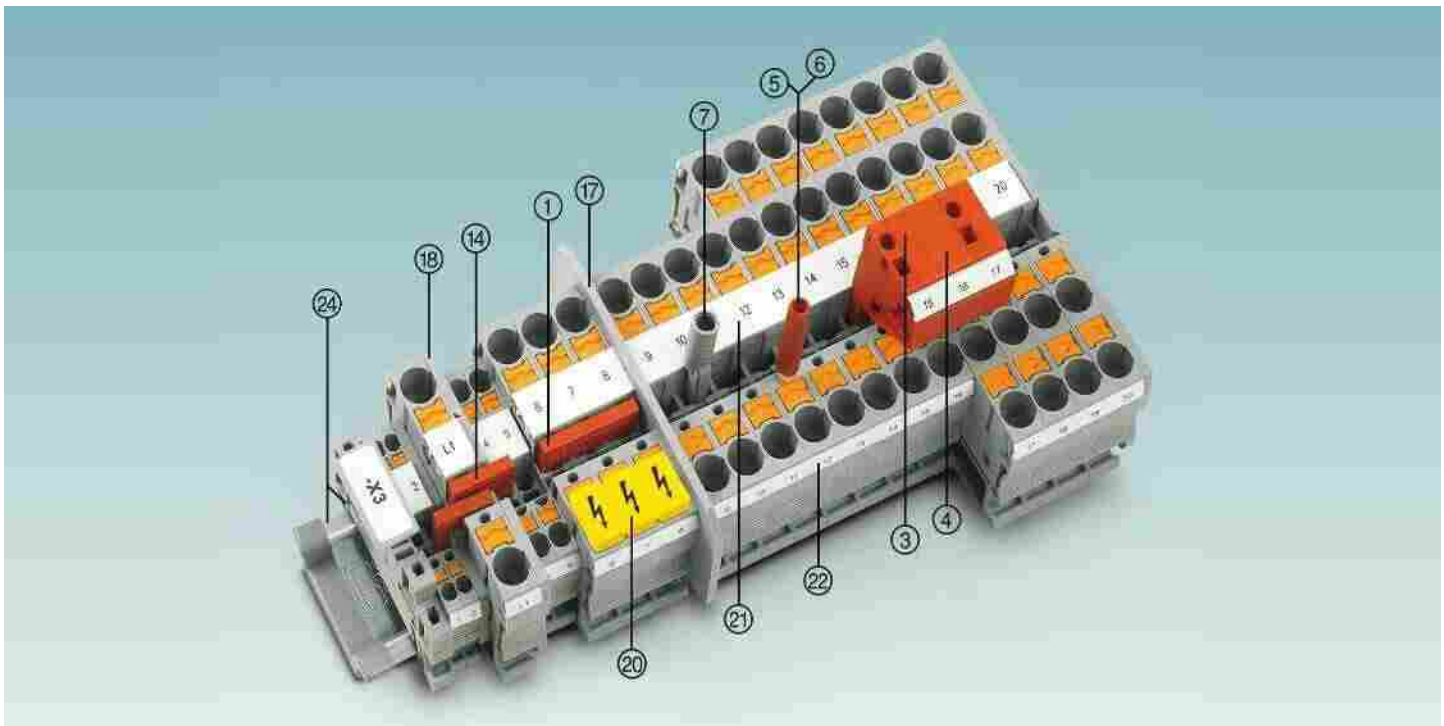
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-8**	3030284	10	**FBSR 2-8**	3033808	10
	3	red	**FBS 3-8**	3030297	10	**FBSR 3-8**	3001597	10
	4	red	**FBS 4-8**	3030307	10	**FBSR 4-8**	3000585	10
	5	red	**FBS 5-8**	3030310	10	**FBSR 5-8**	3033809	10
	10	red	**FBS 10-8**	3030323	10	**FBSR 10-8**	3001599	10
	16	red				**FBSR 16-8**	3033816	10
③ **Modular test plug**		red	**PS-8**	3031005	10			
Spacer plate		red	**DP PS-8**	3036741	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Screwdriver			**SZF 2-0,8X4,0**	1204520	10			

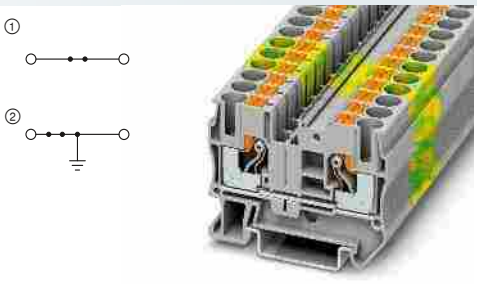
Reducing bridge	**For RB ..., see page 408.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Center groove labeling	**UC-TM 8, UCT-TM 8 or ZB 8. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 8, UCT-TMF 8 or ZBF 8. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

1) For additional accessories and technical data, see page 110.

For information on installation and using accessories for Ex applications, see page 678.



52 A, feed-through terminal block

Ex: EAC Ex
SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1]

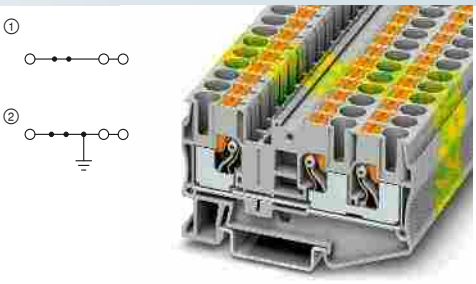
Dimensions				
	[mm]	Width	Length	Height
		8.2	**57.7**	**43.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG (UL)
		52	**1000**	**0.5 - 10** **20-8**
Maximum bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA Ex
Rated voltage	[V]	1000	600	600 550
Nominal current / cross section	[A] / [mm²]	41 / 6	40 / -	40 / - 36.5 / 6

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 6**	①	3211813	50
	blue	**PT 6 BU**	①	3211819	50
Ground terminal	green-yellow	**PT 6-PE**	②	3211822	50

Accessories[1]

Cover, width: 2.2 mm	gray	**D-PT 6**	3212044	50



52 A, feed-through terminal block, 3 connections

Ex: EAC Ex
SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1]

Dimensions				
	[mm]	Width	Length	Height
		8.2	**74.2**	**43.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG (UL)
		52	**1000**	**0.5 - 10** **20-8**
Maximum bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA Ex
Rated voltage	[V]	1000	600	600 550
Nominal current / cross section	[A] / [mm²]	41 / 6	40 / -	40 / - 35.5 / 6

Ordering data

Type		Order No.	Pcs./Pkt.
PT 6-TWIN	①	3211929	50
PT 6-TWIN BU	①	3211485	50
PT 6-TWIN-PE	②	3211498	50

Accessories[1]

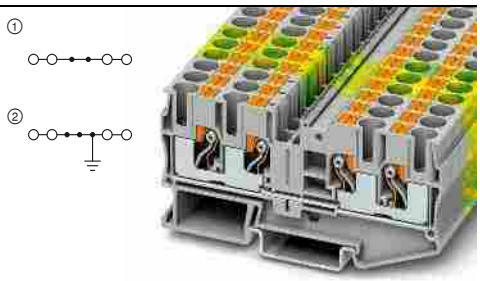
D-PT 6-TWIN	3211508	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

1) For additional accessories and technical data, see page 110.

For information on installation and using accessories for Ex applications, see page 678.



52 A, feed-through terminal block, 4 connections

Ex: EAC Ex
SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1]

Dimensions				
	[mm]	Width	Length	Height
		8.2	**90.5**	**43.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG (UL)
		52	**1000**	**0.5 - 10** **20-8**
Maximum bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA Ex
Rated voltage	[V]	1000	600	600 550
Nominal current / cross section	[A] / [mm²]	41 / 6	40 / -	40 / - 36 / 6

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 6-QUATTRO**	①	3212934	50
	blue	**PT 6-QUATTRO BU**	①	3212947	50
Ground terminal	green-yellow	**PT 6-QUATTRO-PE**	②	3212950	50

Accessories[1]

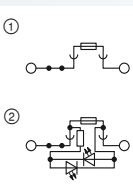
Cover, width: 2.2 mm	gray	**D-PT 6-QUATTRO**	3212963	50

Fuse terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 110.

[2]) The current is determined by the fuse used, the voltage by the selected LED display. Observe the maximum power dissipation, see phoenixcontact.net/products.



10 A, lever-type fuse terminal block for 6.3 x 32 mm cartridge fuses, 2 function shafts

Technical data[1])			
Width	Length	Height	
8.2	**74.5**	**69 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
10[2])	**630[2])**	**0.5 - 10**	**20-8**
30 (FBS) / 30 (FBSR)			
IEC	UL / CUL	CSA	Ex
630[2])	600	600	-
10 / 6	10 / -	10 / -	- / -

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Ordering data			
Type		**Order No.**	Pcs./Pkt.
PT 6-HESI (6,3X32)	①	3211870	50
PT 6-HESILED 24 (6,3X32)	②	3211874	50
PT 6-HESILED 60 (6,3X32)	②	3211868	50
PT 6-HESILED 250 (6,3X32)	②	3212133	50

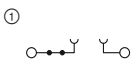
Description	Color
Fuse terminal block	black
With LED display 12 ... 30 V AC/DC, 0.31 ... 0.95 mA	black
30 ... 60 V AC/DC, 0.40 ... 0.86 mA	black
110 ... 250 V AC/DC, 0.41 ... 0.96 mA	black

Fuse terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 110.

You can find a selection of matching thermal TCP circuit breakers in Catalog 4.



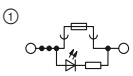
30 A, fuse terminal block for type C flat-type fuses

Technical data[1])			
Width	Length	Height	
8.2	**74.1**	**45.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30	**400**	**0.5 - 10**	**20-8**
30 (FBS) / 30 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	600	600	-
25 / 6	25 / -	25 / -	- / -

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Ordering data			
Type		**Order No.**	Pcs./Pkt.
PT 6-FSI/C	①	3212166	50

Description	Color
Fuse terminal block	black
with LED display for 6 - 12 V DC, 0.31 - 0.95 mA	black
for 12 - 30 V DC, 0.31 - 0.95 mA	black
for 24 - 48 V DC, 0.31 - 0.95 mA	black



30 A, fuse terminal block with LED display for type C flat-type fuses

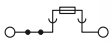
Technical data[1])			
Width	Length	Height	
8.2	**74.1**	**45.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30	**12**	**0.5 - 10**	**20-8**
30 (FBS) / 30 (FBSR)			
IEC	UL / CUL	CSA	Ex
12	600	600	-
25 / 6	25 / -	25 / -	- / -

Ordering data			
Type		**Order No.**	Pcs./Pkt.
PT 6-FSI/C-LED 12	①	3212169	50
PT 6-FSI/C-LED 24	①	3212172	50
PT 6-FSI/C-LED 48	①	3212175	50

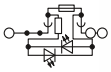
Fuse terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 110.



10 A, fuse terminal block for 5 x 20 mm cartridge fuses



10 A, fuse terminal block for 5 x 20 mm cartridge fuses, with LED

Technical data[1])			
Width	Length	Height	
12.3	**77.7**	**51.2 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
10	**1000**	**0.5 - 10**	**20-8**
32 (FBS)			
IEC	UL / CUL	CSA	Ex
1000	600	-	-
10 / 6	10 / -	- / -	- / -

Technical data[1])			
Width	Length	Height	
12.3	**77.7**	**51.2 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
10	**1000**	**0.5 - 10**	**20-8**
30 (FBS)			
IEC	UL / CUL	CSA	Ex
1000	600	-	-
10 / 6	10 / -	- / -	- / -

Description	No. of pos.	Color
Fuse terminal block		black
With LED display 12 ... 30 V AC/DC, 0.31 ... 0.95 mA		black
110 ... 250 V AC/DC, 0.41 ... 0.96 mA		black

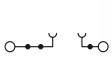
Ordering data			
Type		**Order No.**	Pcs./Pkt.
PT 6-DREHSI (5X20)	①	3025042	25

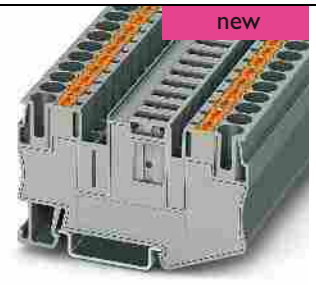
Ordering data			
Type		**Order No.**	Pcs./Pkt.
PT 6-DREHSILED 24 (5X20)	①	3025046	25
PT 6-DREHSILA 250 (5X20)	①	3025044	25

Disconnect and knife disconnect terminal blocks

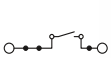
Notes:

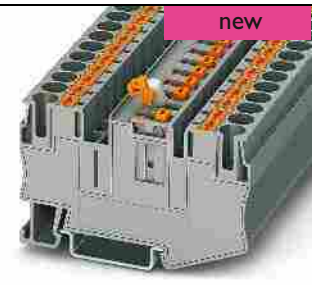
[1]) For additional accessories and technical data, see page 110.





20 A, disconnect terminal block





20 A, knife disconnect terminal block

Technical data[1])			
Width	Length	Height	
8.2	**74.1**	**45.3 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**500**	**0.5 - 10**	**20-8**
20 (FBS) / 20 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
20 / 6	20 / -	20 / -	- / -

Technical data[1])			
Width	Length	Height	
8.2	**74.1**	**43.7 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**500**	**0.5 - 10**	**20-8**
20 (FBS) / 20 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
20 / 6	20 / -	20 / -	- / -

Description	Color
Disconnect terminal block	gray
Knife disconnect terminal block	gray

Ordering data			
Type		**Order No.**	Pcs./Pkt.
PT 6-TG	①	3212163	50

Ordering data			
Type		**Order No.**	Pcs./Pkt.
PT 6-MT	①	3212160	50

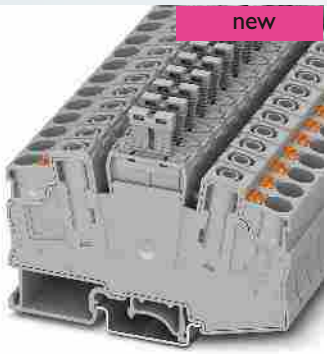
6 mm² PT Push-in connection terminal blocks

Disconnect and knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 110.

①



32 A, measurement-disconnect terminal block, with isolating plug

①

32 A, measurement-disconnect terminal block, with disconnect lever

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Connection capacity	
1 conductor	[mm²]
2 flexible conductors with a TWIN ferrule	[mm²]
Connection cross sections directly plug-in	[mm²]

Technical data[1])

Width	Length	Height	
10.2	**91**	**64.3 (NS 35/7,5) / 69.3 (NS 32)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**1000**	**0.5 - 10**	**-**
32			
IEC	UL / CUL	CSA	Ex
1000	-	-	-
32 / 6	- / -	- / -	- / -
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 10	0.5 - 10
-	-	-	0.5 - 2.5
1 - 10	-	1.5 - 6	1.5 - 6

Ordering data

Type		Order No.	Pcs./Pkt.
PT 6-T P/P HV	①	1028589	50

Accessories[1])

DP-PT 6-T P/P HV-1,8	1028592	10
P-DI HV	1028594	10
P-DI-MP HV	1028600	10

Technical data[1])

Width	Length	Height	
10.2	**91**	**64.3 (NS 35/7,5) / 69.3 (NS 32)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**1000**	**0.5 - 10**	**-**
32			
IEC	UL / CUL	CSA	Ex
1000	-	-	-
32 / 6	- / -	- / -	- / -
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 10	0.5 - 10
-	-	-	0.5 - 2.5
1 - 10	-	1.5 - 6	1.5 - 6

Ordering data

Type		Order No.	Pcs./Pkt.
PT 6-MT P/P HV	①	1028591	50

Accessories[1])

DP-PT 6-T P/P HV-1,8	1028592	10

Description	Color
Measurement-disconnect terminal block	gray
	gray
Spacer plate, width: 1.8 mm	gray
Isolating plug	gray
Isolating plug, disconnect function only	blue

Diode terminal blocks

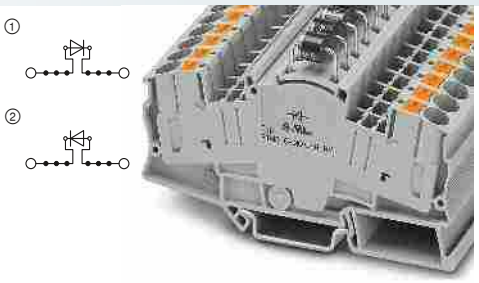
Notes:

[1]) For additional accessories and technical data, see page 110.

[2]) If the diode is loaded to 5 A, the surface reaches a temperature of +140°C.

[3]) 1000 V reverse voltage

If several diode terminal blocks need adding to the DIN rail, a spacer plate must be placed between them.



5 A, 1000 V, diode terminal block, same shape

Spacer plate, same shape

EAC

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**8.2**	**100.8**	**60 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	5[2])	**1000[3])**	**0.5 - 10**	**20-8**
Maximum bridge current [A]	30 (FBS) / 30 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000[3])	600	600	-
Nominal current / cross section [A] / [mm²]	5[2]) / 6	10 / -	10 / -	- / -
General data				
Stripping length [mm]	12			

Ordering data			
Description	Color	Type	Order No.	Pcs./Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**PTME 6-DIO/L-R HV** ①	3035697	50
	gray	**PTME 6-DIO/R-L HV** ②	3035698	50
Spacer plate	gray			

Accessories[1])			
Cover, width: 2.2 mm	gray	**D-DTME 6**	3034426	10

Technical data[1])				
Width	Length	Height		
8.2	**100.8**	**49.6 (NS 35/7,5)**		
		max. Ø [mm²]	AWG (UL)	
		-	**-**	
-				
IEC	UL / CUL	CSA	Ex	
-	-	-	-	
-	- / -	- / -	- / -	
-				

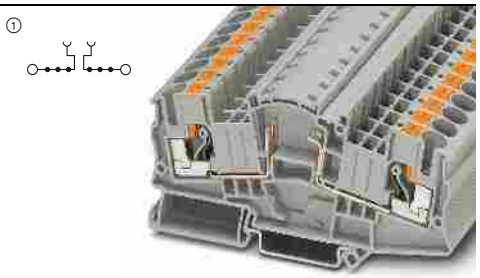
Ordering data			
Type	Order No.	Pcs./Pkt.
DP-STMED 6	3035690	50

Accessories[1])		

Component terminal blocks for customer-side component soldering

Notes:

[1]) For additional accessories and technical data, see page 110.



Terminal block, for soldering a component

EAC

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**8.2**	**100.8**	**60 (NS 35/7,5)**	
Maximum electrical data		$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		500	**0.5 - 10**	**-**
Maximum bridge current [A]	32			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	-	-	-
Nominal current / cross section [A] / [mm²]	30 / 6	- / -	- / -	- / -
General data				
Stripping length [mm]	12			

Ordering data			
Description	Color	Type	Order No.	Pcs./Pkt.
Terminal block, component can be soldered in	gray	**PTME 6-BE** ①	3035687	50

Accessories[1])			
Cover, width: 2.2 mm	gray	**D-DTME 6**	3034426	10

Test disconnect terminal blocks

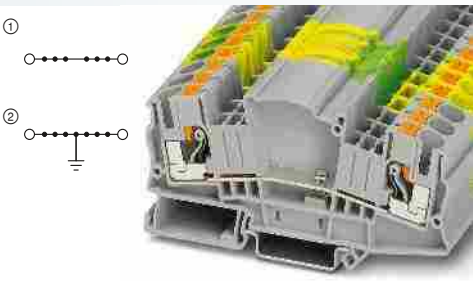
Notes:

[1]) For additional accessories and technical data, see page 110.

The PTME 6 HV versions have a rated voltage of 1000 V.

For COMBI plug-in test disconnect terminal blocks, see page 348.

30 A, test disconnect terminal block



41 A, feed-through terminal block, same shape

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	**100.8**	**49.6 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30	**500**	**0.5 - 10** / **20-8**
Maximum bridge current	[A]	30 (FBS) / 30 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	30 / 6	30 / -	30 / - / - / -
General data				
Stripping length	[mm]	12		

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Test disconnect terminal block	gray	**PTME 6**	①	3212170	50
	gray	**PTME 6 HV**	①	3035696	50
	blue	**PTME 6 HV BU**	①	3035695	50
Feed-through terminal block	gray				
Ground terminal	green-yellow				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-DTME 6**	3034426	10

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	**100.8**	**49.6 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		41	**1000**	**0.5 - 10** / **20-8**
Maximum bridge current	[A]	41 (FBS)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / -
Nominal current / cross section	[A] / [mm²]	41 / 6	30 / -	30 / - / - / -
General data				
Stripping length	[mm]	12		

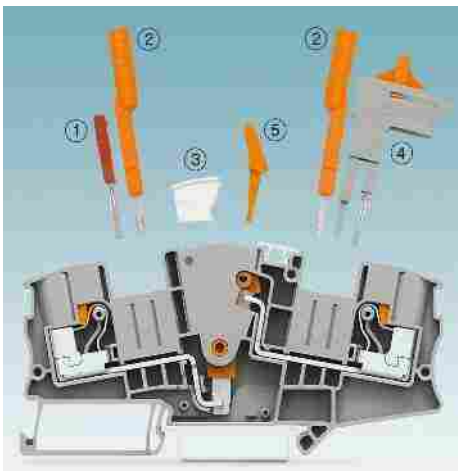
Ordering data

Type		Order No.	Pcs./Pkt.
PTMED 6	①	3212183	50
PTMED 6-PE	②	3212196	50

Accessories[1])

D-DTME 6	3034426	10	

Supplementary accessories for PTME 6 test disconnect terminal blocks



– A current transformer measuring circuit can be created using just two PTME 6
– Less space required compared to creating circuits with slide-type terminal blocks

① FBS... plug-in bridge for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 6 switching lock
SB-ME... bridge bar
C−ME 6/2 operating lever

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.
Test adapter, for 4-mm-Ø safety test connector, snapped into bridge shaft	1	orange	**PAI-4-FIX OG**	3034455	10
	1	yellow	**PAI-4-FIX YE**	3032745	10
	1	green	**PAI-4-FIX GN**	3032758	10
	1	violet	**PAI-4-FIX VT**	3032761	10
	1	black	**PAI-4-FIX BK**	3032774	10
	1	blue	**PAI-4-FIX BU**	3032729	10
	1	red	**PAI-4-FIX RD**	3032732	10
	1	gray	**PAI-4-FIX GY**	3032790	10
	1	brown	**PAI-4-FIX BN**	3032787	10
	1	white	**PAI-4-FIX WH**	3032797	10
Switching lock, plug-in		white	**S-ME 6**	3034439	10
Switching bridge, plug-in	2	gray/orange	**SB-ME 2-8**	3034468	10
	3	gray/orange	**SB-ME 3-8**	3032800	10
	4	gray/orange	**SB-ME 4-8**	3034484	10
Operating lever, for actuating test disconnect terminal blocks	1	orange	**C-ME 6/1**	3034441	10
	2	orange	**C-ME 6/2**	3034442	10
	3	orange	**C-ME 6/3**	3034390	50

Hybrid terminal blocks with screw connection on one side, 6 (10) mm²

Notes:

1) For additional accessories and technical data, see page 110.

2) For screw connection rated data, see page 172.

①

41 A, test disconnect terminal block

①

52 A, feed-through terminal block, same shape

EAC

Technical data¹)

Dimensions		Width	Length	Height	
	[mm]	**8.2**	**73.9**	**48 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41	**500**	**0.5 - 10**	**-**
Rated data²)		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	-	-	-
Nominal current / cross section	[A] / [mm²]	41 / 6	- / -	- / -	- / -
General data					
Stripping length	[mm]	12			

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Test disconnect terminal block	gray	**PTU 6-T**	①	3209535	50
with test sockets	gray	**PTU 6-T-P**	①	3209530	50
Feed-through terminal block	gray				
with test sockets	gray				

Accessories¹)

Cover, width: 2.2 mm	gray	**D-PTU 6-T**	3209533	50
Screwdriver		**SZS 1,0X4,0 VDE**	1205066	10

EAC

Technical data¹)

Width	Length	Height		
8.2	**73.9**	**48 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
52	**800**	**0.5 - 10**	**-**	
IEC	UL / CUL	CSA	Ex	
800	-	-	-	
41 / 6	- / -	- / -	- / -	
12				

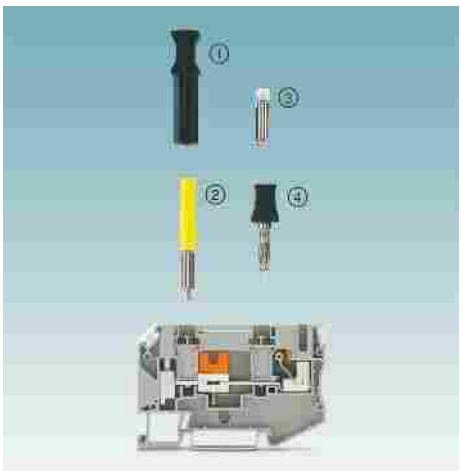
Ordering data

Type		Order No.	Pcs./Pkt.
PTUD 6	①	3209531	50
PTUD 6-P	①	3209537	50

Accessories¹)

D-PTU 6-T	3209533	50
SZS 1,0X4,0 VDE	1205066	10

Supplementary accessories for PTU 6-T test disconnect terminal blocks



– Efficient wiring using Push-in connection on the inside of the control cabinet
– Universal screw connection on the end customer side
– The following accessories are included for transformer short circuit and potential distribution:

① KSSI... insulated short-circuit plug
② PSBJ 6-T... test socket
③ SCBI 10-8,15... isolator bridge bar
KSS... short-circuit plug

Ordering data

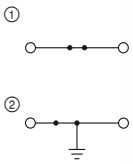
Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.
Insertion bridge, fully insulated	2	gray	**EB 2- 8**	0202154	100
	3	gray	**EB 3- 8**	0202141	100
	4	gray	**EB 4- 8**	0202142	100
	10	gray	**EB 10- 8**	0202138	10
Fixed bridge, 10-pos.	10	silver	**SCBI 10-8,15**	3245134	10
Isolator bridge bar, 10-pos.	10	silver	**SCBI 10-8,15 ISO**	3000417	10
Test socket	1	silver	**TPS 3/20/5**	3246586	10
Partition plate, 2 mm width		gray	**ATP-URTK/SP**	0311139	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos.	2	black	**KSSI 2-8**	3000722	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., $I_{max.}$ 20 A	2	black	**KSS 8**	0311540	10
Test socket, insulated	1	orange	**PSBJ 6-T OG**	3070320	10

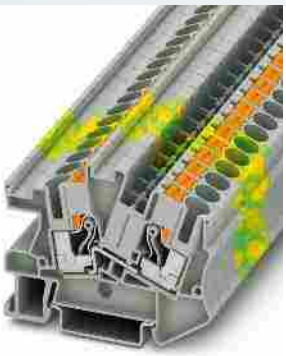
Installation terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 110.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products





51 A, feed-through terminal block

51 A, neutral disconnect terminal block

EAC

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		8.2	**66**	**50 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		51	**800**	**0.5 - 10**	**-**
Maximum bridge current	[A]	41 (FBS) / 32 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	-	-	-
Nominal current / cross section	[A] / [mm²]	41 / 6	- / -	- / -	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
2 conductors (of the same type)	[mm²]	-	-	-	-
General data					
Stripping length	[mm]	12			

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTI 6**	①	3213972	50
	blue	**PTI 6 BU**	①	3213973	50
Ground terminal	green-yellow	**PTI 6-PE**	②	3213966	50
Neutral disconnect terminal block	blue				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTI 6**	1016703	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2 mm wide	blue	**AB-PTI 6**	3214008	50

EAC

Technical data[1])

Width	Length	Height		
8.2	**66.3**	**50 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
51	**400**	**0.5 - 10**	**-**	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
400	-	-	-	
41 / 6	- / -	- / -	- / -	
Rigid	Flexible	Ferrule without/with plastic sleeve		
0.5 - 4	-	-	-	
12				

Ordering data

Type		Order No.	Pcs./Pkt.
PTN 6	①	3213967	50

Accessories[1])

D-PTN 6	3213979	50
AB-PTI 6	3214008	50

Pick-off terminal blocks

new

38 A, pick-off terminal block, 4-pos.

new

38 A, pick-off terminal block, 8-pos.

Notes:

[1]) For additional accessories and technical data, see page 110.

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**31**	**57.4**	**32.3**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		57	**1000**	**0.5 - 10**	**-**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	1000	-	-
Nominal current / cross section	[A] / [mm²]	41 / 6	- / -	- / -	- / -

Technical data[1])

		Width	Length	Height	
		31	**72.6**	**32.3**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		57	**1000**	**0.5 - 10**	**-**
		IEC	UL / CUL	CSA	Ex
		1000	1000	-	-
		41 / 6	- / -	- / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Pick-off terminal block, M10 drill hole	gray	**AGK PT 4X6/M10**	1	1017448	10
	blue	**AGK PT 4X6/M10 BU**	1	1083237	10
	green-yellow	**AGK PT 4X6/M10 GNYE**	1	1083238	10
M12 drill hole	gray	**AGK PT 4X6/M12**	1	1017454	10

Ordering data

Type		Order No.	Pcs./Pkt.
AGK PT 8X6/M10	1	1017450	10
AGK PT 8X6/M10 BU	1	1083235	10
AGK PT 8X6/M10 GNYE	1	1083236	10

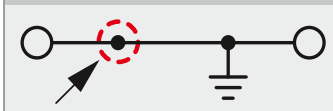
10 mm² PT Push-in connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm²]	10			
Cross section range	AWG	20 - 6			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 10
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	1.5 - 4
Connection cross sections directly plug-in	[mm²]	1 - 16	-	4 - 10	2.5 - 10
General data					
Stripping length	[mm]	18			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



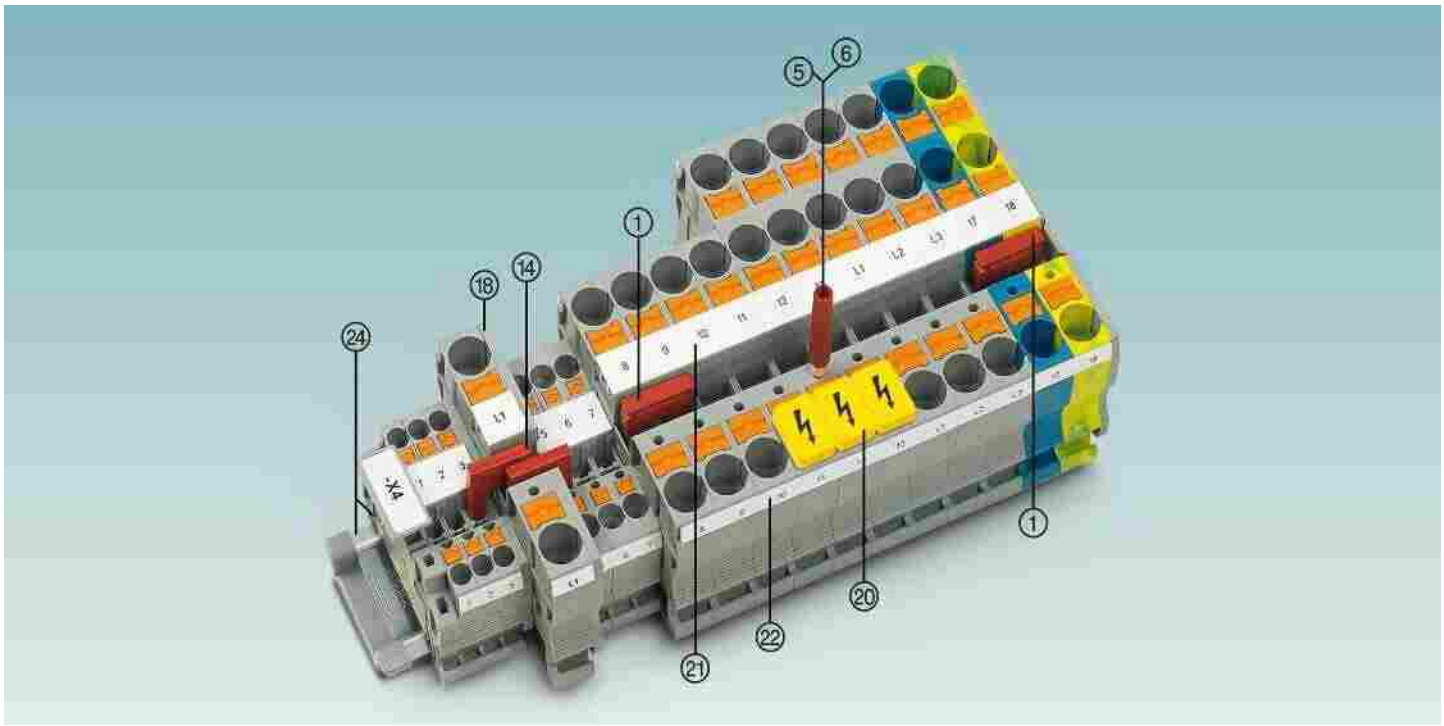
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-10**	3005947	10			
	5	red	**FBS 5-10**	3005948	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Screwdriver			**SZF 3-1,0X5,5**	1206612	10			

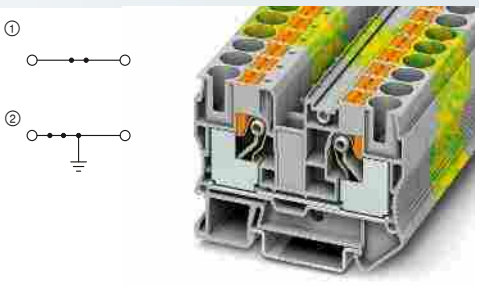
Reducing bridge	**For RB ..., see page 408.**
Cover	**Listed alongside the respective product.**
Warning labels	**WS**
Center groove labeling	**UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 10, UCT-TMF 10 or ZBF 10. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through, multi-conductor, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 120.

For information on installation and using accessories for Ex applications, see page 678.



70 A, feed-through terminal block

Ex: EAC Ex
SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

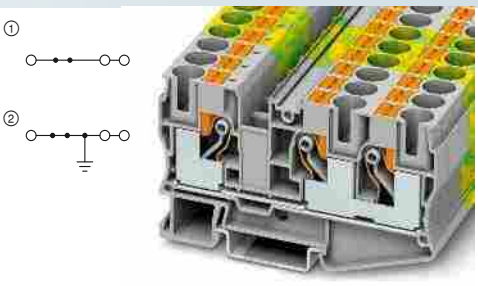
Dimensions		Width	Length	Height	
	[mm]	**10.2**	**67.7**	**50.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		70	**1000**	**0.5 - 16**	**20-6**
Maximum bridge current	[A]	57			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	550
Nominal current / cross section	[A] / [mm²]	57 / 10	60 / -	55 / -	52.5 / 10

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 10**	①	3212120	50
	blue	**PT 10 BU**	①	3212123	50
Ground terminal	green-yellow	**PT 10-PE**	②	3212131	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PT 10**	3212057	50



70 A, feed-through terminal block, 3 connections

Ex: EAC Ex
SEV13ATEX0159U / IECEx SEV13.0005U

Technical data[1])

Width	Length	Height		
10.2	**88.9**	**50.5 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
70	**1000**	**0.5 - 16**	**20-6**	
57				
IEC	UL / CUL	CSA	Ex	
1000	600	600	550	
57 / 10	60 / -	55 / -	48.5 / 10	

Ordering data

Type		Order No.	Pcs./Pkt.
PT 10-TWIN	①	3208746	50
PT 10-TWIN BU	①	3208747	50
PT 10-TWIN-PE	②	3208745	50

Accessories[1])

D-PT 10-TWIN	3208748	50

PT 10,3-HESI 1000V lever-type fuse terminal blocks for photovoltaics

Notes:

[1]) For additional accessories and technical data, see page 120.

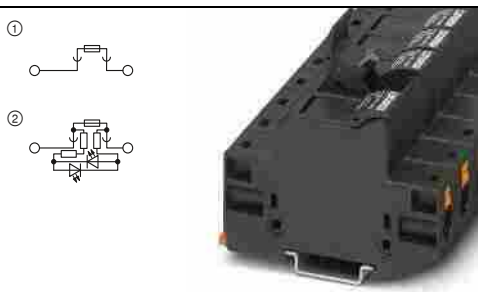
For tools for stripping and crimping solar cables and connectors, see Catalog 3.

For disconnect terminal blocks with 1000 V and PTME ... HV diode terminal blocks, see from page 116.

For detailed information on PV applications and power dissipation data, see phoenixcontact.net/products

For matching fuse inserts, refer to page 503.

For further fuse inserts with UL approval, see phoenixcontact.net/products



20 A, 1000 V, lever-type fuse terminal block for 10.3 x 38 mm midget fuses

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**17.6**	**87**	**63 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**1000**	**1.5 - 10**	**-**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	20 / 10	- / -	- / -	- / -
Cross section range	AWG	16 - 6	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1.5 - 10	1.5 - 10	1.5 - 10	1.5 - 10
Connection cross sections directly plug-in	[mm²]	1.5 - 10	-	4 - 10	2.5 - 10

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Fuse terminal block	black	**PT 10,3-HESI 1000V**	①	3062142	10
with LED for 400 - 1000 V DC	black	**PT 10,3-HESILED 1000V**	②	3062143	10

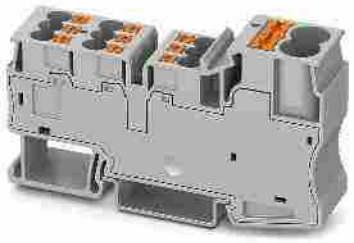
Accessories[1])

Spacer for neighboring fuse terminal block	white	**DP-PT 10,3-HESI**	3062155	200

10 mm² PT Push-in connection terminal blocks

Potential collective terminal blocks

new



57 A, potential collective terminal block, 2 inputs 10 mm², 9 inputs 4 mm²

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		18.5	**83.2**	**47.9**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		57	**800**	**0.5 - 16** / **-**
Rated data, Push-in connection, 10 mm²		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800	-	- / -
Nominal current / cross section	[A] / [mm²]	57 / 10	-	- / -
Cross section range	AWG	20 - 6	-	- / -
Connection capacity, Push-in connection, 10 mm²		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 10 / 0.5 - 10
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 1.5 - 4
Rated data, 9 Push-in connections, 4 mm²		IEC	UL / CUL	CSA / IEC/EN 60079-7
Nominal current / cross section	[A] / [mm²]	32 / 4	-	- / -
Cross section range	AWG	24 - 10	-	- / -
Connection capacity, 9 Push-in connections, 4 mm²		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4 / 0.25 - 4
Connection cross sections directly plug-in	[mm²]	0.5 - 6	-	0.5 - 4 / 0.5 - 4
General data				
Stripping length	[mm]	18		
Insulating material		PA		
Flammability rating in accordance with UL 94		PA 6.6		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block		gray blue	**PT 2X10/9X4**		3002369	50

Accessories

Plug-in bridge	2	red	**FBS 2-6**	32 A	3030336	50

new

57 A, potential collective terminal block, 2 inputs 10 mm², 9 inputs 4 mm²

Technical data

Width	Length	Height NS 35/7,5	
18.5	**83.2**	**47.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
57	**800**	**0.5 - 16**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	-	-	-
57 / 10	-	-	-
20 - 6	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 10
-	-	-	1.5 - 4
IEC	UL / CUL	CSA	IEC/ EN 60079-7
32 / 4	-	-	-
24 - 10	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
0.5 - 6	-	0.5 - 4	0.5 - 4
18			
PA			
PA 6.6			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
PT 2X10/9X4 BU		3002368	50

Accessories

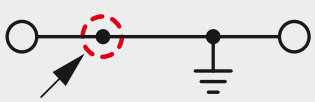
FBS 2-6	32 A	3030336	50

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	16			
Cross section range	AWG	20 - 4			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 25	0.5 - 16	0.5 - 16	0.5 - 16
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	1.5 - 4
Connection cross sections directly plug-in	[mm²]	2.5 - 25	-	2.5 - 16	2.5 - 16
General data					
Stripping length	[mm]	18			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



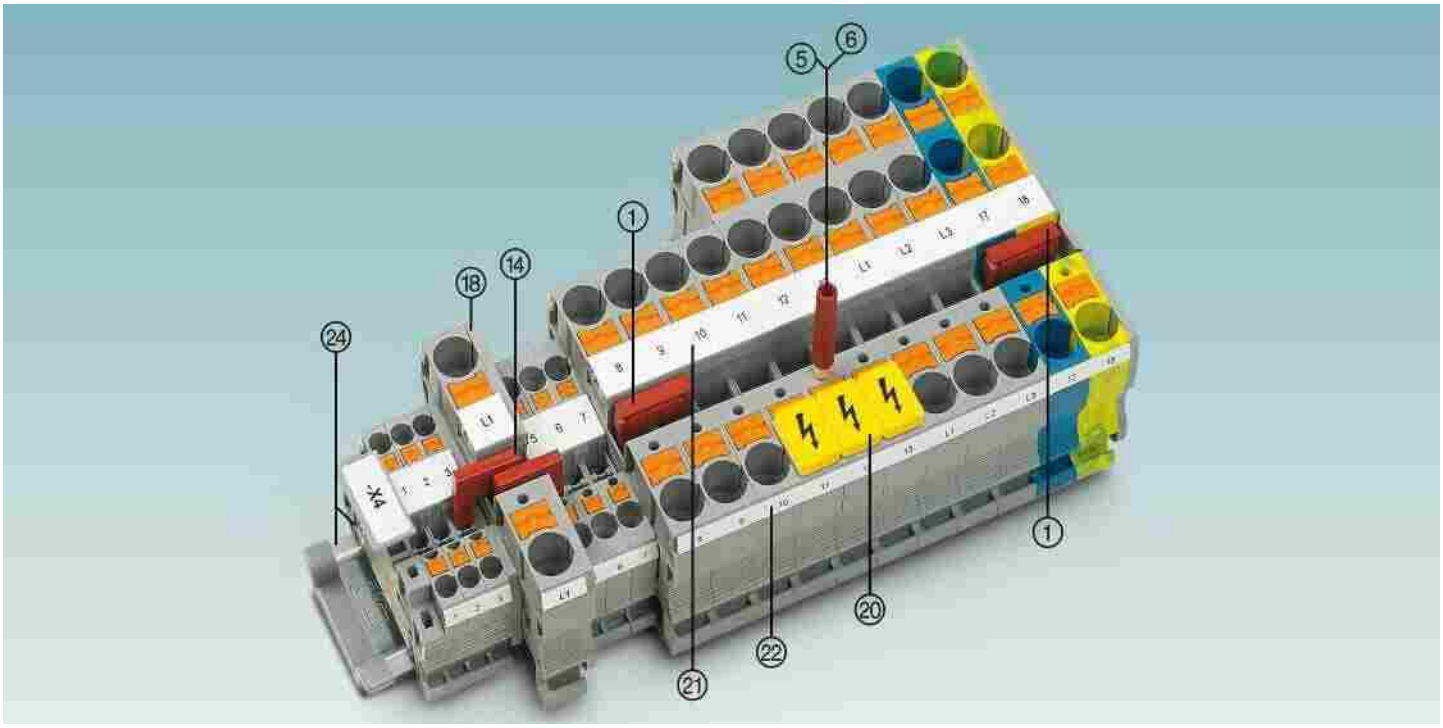
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-12**	3005950	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Screwdriver			**SZF 3-1,0X5,5**	1206612	10			

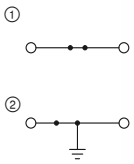
Reducing bridge	**For RB ..., see page 408.**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Center groove labeling	**UC-TM 12, UCT-TM 12 or ZB 12. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 12, UCT-TMF 12 or ZBF 12. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

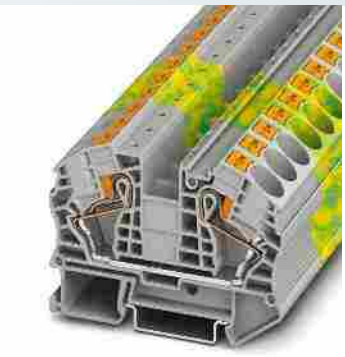
Feed-through, multi-conductor, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 124.

For information on installation and using accessories for Ex applications, see page 678.





85 A, feed-through terminal block

Ex: EAC Ex
SEV13ATEX0159U / IECEx SEV13.0005U

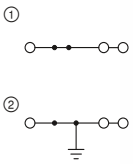
Dimensions		Width	Length	Height	
	[mm]	**12.2**	**75.4**	**52.6 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		85	**1000**	**0.5 - 25**	**20-4**
Maximum bridge current	[A]	76			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	550
Nominal current / cross section	[A] / [mm²]	76 / 16	85 / -	70 / -	65.5 / 16

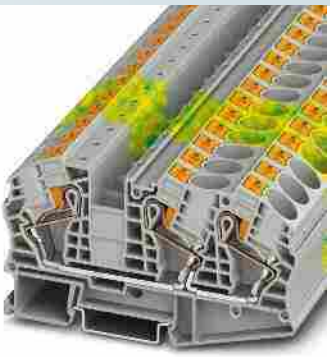
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 16 N**	①	3212138	50
	blue	**PT 16 N BU**	①	3212142	50
Ground terminal	green-yellow	**PT 16 N-PE**	②	3212147	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PT 16 N**	3212060	50





85 A, feed-through terminal block, 3 connections

Ex: EAC Ex
SEV13ATEX0159U / IECEx SEV13.0005U

Width	Length	Height		
12.2	**100.2**	**52.6 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
85	**1000**	**0.5 - 25**	**20-4**	
76				
IEC	UL / CUL	CSA	Ex	
1000	600	600	550	
76 / 16	85 / -	70 / -	65.5 / 16	

Ordering data

Type		Order No.	Pcs./Pkt.
PT 16-TWIN N	①	3208760	25
PT 16-TWIN N BU	①	3208773	25
PT 16-TWIN N-PE	②	3208786	25

Accessories[1])

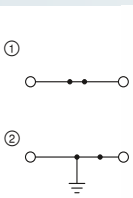
D-PT 16-TWIN N	3208799	50

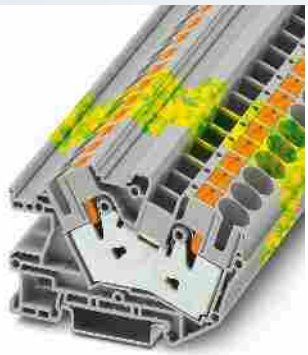
Installation terminal blocks

Notes:

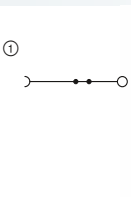
[1]) For additional accessories and technical data, see page 124.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products





76 A, feed-through terminal block



68 A, neutral disconnect terminal block

Technical data[1])

Dimensions				
	Width	Length	Height	
	[mm]	**10.2**	**77.7**	**51.1 (NS 35/7,5)**
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	76	**500**	**0.5 - 16**	**24-4**
Maximum bridge current	[A]	57		
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	76 / 10	10 / -	10 / -	- / -
Rated cross section	[mm²]	10			
Cross section range	AWG	24 - 4	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 16	0.5 - 16	0.5 - 16	0.5 - 16
Connection cross sections directly plug-in	[mm²]	1 - 16	-	4 - 16	2.5 - 16

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs./Pkt.
Terminal block		gray	**PTI 16/S**	①	3214029	50
		blue	**PTI 16/S BU**	①	3214023	50
Ground terminal		green-yellow	**PTI 16/S-PE**	②	3214024	50
Neutral disconnect terminal block		blue				

Accessories[1])

Cover, width: 2.2 mm		gray	**D-PTI 16/S**	3214027	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2.2 mm wide		blue	**AB-PTI 16/S**	3214022	50
Plug-in bridge					
	2	red	**FBS 2-10**	3005947	10
	5	red	**FBS 5-10**	3005948	10

Center and side groove labeling

UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)

Technical data[1])

Width	Length	Height		
10.2	**77.7**	**51.1 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
68	**500**	**0.5 - 16**	**24-4**	
57				
IEC	UL / CUL	CSA	Ex	
500	600	600	-	
68 / 10	10 / -	10 / -	- / -	
10				
24 - 4	-	-	-	
Rigid	Flexible	Ferrule without/with plastic sleeve		
0.5 - 16	0.5 - 16	0.5 - 16	0.5 - 16	
1 - 16	-	4 - 16	2.5 - 16	

Ordering data

Type		Order No.	Pcs./Pkt.
PTN 16/S	①	3214025	50

Accessories[1])

D-PTN 16/S	3214028	50
AB-PTI 16/S	3214022	50
FBS 2-10	3005947	10
FBS 5-10	3005948	10

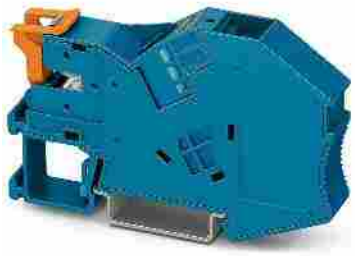
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)

Feed-in terminal blocks for N busbars

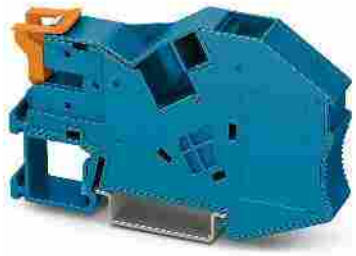
new

new

① ——○



76 A, power terminal block



Support bracket

Notes:

[1]) For additional accessories and technical data, see page 124.

EAC

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**12.2**	**81.9**	**48.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	76	**1000**	**0.5 - 25**	**-**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000	-	-	-
Nominal current / cross section [A] / [mm²]	70 / 16	- / -	- / -	- / -
General data				
Stripping length [mm]	18 - 20			

Technical data[1])			
Width	Length	Height	
12.2	**81.9**	**48.5 (NS 35/7,5)**	
		max. Ø [mm²]	AWG (UL)
		-	**-**
IEC	UL / CUL	CSA	Ex
-	-	-	-
-	- / -	- / -	- / -
-			

Ordering data			
Description / Color	**Type**	**Order No.**	Pcs./Pkt.
Terminal block gray	**PTI 16-NLS-FI** ①	1030130	10
blue	**PTI 16-NLS-FI BU** ①	1030131	10
red	**PTI 16-NLS-FI RD** ①	1030132	10
black/yellow	**PTI 16-NLS-FI-FE** ①	1030135	10

Ordering data		
Type	**Order No.**	Pcs./Pkt.

Accessories[1])		
Support bracket		
gray		
blue		
red		
black/yellow		
Center groove labeling	**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)**	

Accessories[1])		
AB-PTI 16-NLS	1030137	10
AB-PTI 16-NLS BU	1030138	10
AB-PTI 16-NLS RD	1030140	10
AB-PTI 16-NLS-FE	1030141	10
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)		

35 mm² PTU hybrid terminal block

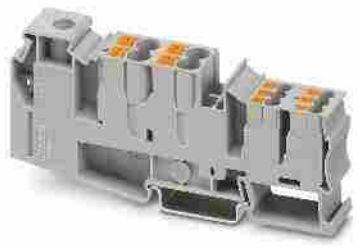
Hybrid terminal blocks with screw connection on one side

- Simple potential collection or distribution
- Compact, space-saving design
- Can be bridged with standard plug-in bridges
- Easy to test with 2.3 mm standard test connection
- Large-surface marking options

Notes:

In the end application, the applicable safety regulations for overload and short-circuit protection on the connected conductors must be considered.

1…4 1…6



105 A, potential collective terminal block, 4 inputs 6 mm², 6 inputs 2.5 mm²

EAC

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		16.3	**110.4**	**48.8**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		105	**1000**	**1.5 - 50** / **14-2**
Rated data, screw connection		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	1000	-	- / -
Nominal current / cross section	[A] / [mm²]	105	-	- / -
Cross section range	AWG	16 - 1/0	14-2	14-2 / -
Connection capacity screw connection		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	1.5 - 50	1.5 - 50	1.5 - 35 / 1.5 - 35
2 conductors (of the same type)	[mm²]	1.5 - 16	1.5 - 10	1.5 - 10 / -
Rated data, 4 Push-in connections, 6 mm²		IEC	UL / CUL	CSA / IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	41 / 6	-	- / -
Cross section range	AWG	20 - 8	14-2	14-2 / -
Connection capacity, 4 Push-in connections, 6 mm²		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6 / 0.5 - 6
Connection cross sections directly plug-in	[mm²]	1 - 10	-	1 - 6 / 1 - 6
Rated data, 6 Push-in connections, 2.5 mm²		IEC	UL / CUL	CSA / IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	24 / 2.5	-	- / -
Cross section range	AWG	26 - 12	-	- / -
Connection capacity, 6 Push-in connections, 2.5 mm²		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5 / 0.14 - 2.5
Connection cross sections directly plug-in	[mm²]	0.34 - 4	-	0.34 - 2.5 / 0.34 - 2.5
General data				
Stripping length	[mm]	18		
Screw thread		M6		
Tightening torque	[Nm]	3.2 - 3.7		
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

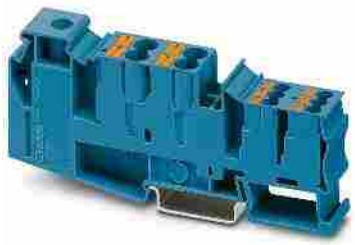
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block		gray	**PTU 35/4X6/6X2,5**		3214080	20
		blue				
		black/yellow				

Accessories

Pick-off terminal block, for snapping into the lateral guide		gray	**AGK 4-UT 35**		3047138	50
Plug-in bridge						
	2	red	**FBS 2-8**	41 A	3030284	10
	3	red	**FBS 3-8**	41 A	3030297	10
	4	red	**FBS 4-8**	41 A	3030307	10
	5	red	**FBS 5-8**	41 A	3030310	10
	10	red	**FBS 10-8**	41 A	3030323	10
Test plug metal part, 2.3 mm Ø		gray	**MPS-MT**		0201744	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**		0201676	10
Modular test plug, for the individual assembly of test pin strips		red	**PS-6**		3030996	10
Screwdriver			**SZF 3-1,0X5,5**		1206612	10
Center and side groove labeling			**UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 3)**			

1…4 1…6



105 A, potential collective terminal block, 4 inputs 6 mm², 6 inputs 2.5 mm²

EAC

Technical data

Width	Length	Height NS 35/7,5	
16.3	**110.4**	**48.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
105	**1000**	**1.5 - 50**	**14-2**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
105	-	-	-
16 - 1/0	14-2	14-2	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
1.5 - 50	1.5 - 50	1.5 - 35	1.5 - 35
1.5 - 16	1.5 - 10	1.5 - 10	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
41 / 6	-	-	-
20 - 8	14-2	14-2	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
1 - 10	-	1 - 6	1 - 6
IEC	UL / CUL	CSA	IEC/ EN 60079-7
24 / 2.5	-	-	-
26 - 12	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
18			
M6			
3.2 - 3.7			
PA			
V0			

Ordering data

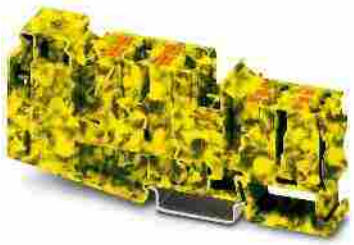
Type	I_{max}	Order No.	Pcs./Pkt.
PTU 35/4X6/6X2,5 BU		**3214081**	20

Accessories

AGK 4-UT 35		**3047138**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZF 3-1,0X5,5		**1206612**	10

UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 3)

1…4 1…6



105 A, potential collective terminal block, 4 inputs 6 mm², 6 inputs 2.5 mm²

EAC

Technical data

Width	Length	Height NS 35/7,5	
16.3	**110.4**	**48.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
105	**1000**	**1.5 - 50**	**14-2**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
105	-	-	-
16 - 1/0	14-2	14-2	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
1.5 - 50	1.5 - 50	1.5 - 35	1.5 - 35
1.5 - 16	1.5 - 10	1.5 - 10	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
41 / 6	-	-	-
20 - 8	14-2	14-2	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
1 - 10	-	1 - 6	1 - 6
IEC	UL / CUL	CSA	IEC/ EN 60079-7
24 / 2.5	-	-	-
26 - 12	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
18			
M6			
3.2 - 3.7			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
PTU 35/4X6/6X2,5-FE		**3214082**	20

Accessories

AGK 4-UT 35		**3047138**	50
FBS 2-8	41 A	**3030284**	10
FBS 3-8	41 A	**3030297**	10
FBS 4-8	41 A	**3030307**	10
FBS 5-8	41 A	**3030310**	10
FBS 10-8	41 A	**3030323**	10
MPS-MT		**0201744**	10
MPS-IH RD		**0201676**	10
PS-6		**3030996**	10
SZF 3-1,0X5,5		**1206612**	10

UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 3)

Hybrid terminal blocks with screw connection on one side, 35 (35) mm²

new

– Ideal for combining photovoltaic strings

101 A, potential collective terminal block, 4 inputs 10 mm²

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		19.4	**79.9**	**50.3**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		101	**1000**	**10 - 35** / **14-3**
Rated data, screw connection		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	101	-	-	-
Cross section range	AWG	8 - 2	14-3	-	-
Connection capacity screw connection		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	10 - 35	10 - 35	10 - 35	10 - 35
2 conductors (of the same type)	[mm²]	1.5 - 16	1.5 - 10	1.5 - 10	-
Rated data, 4 Push-in connections, 10 mm²		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	57 / 10	-	-	-
Cross section range	AWG	20 - 6	14-3	-	-
Connection capacity, 4 Push-in connections, 10 mm²		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	2.5 - 16	2.5 - 10	2.5 - 10	2.5 - 10
Connection cross sections directly plug-in	[mm²]	-	-	-	-
General data					
Stripping length	[mm]	18			
Screw thread		M6			
Tightening torque	[Nm]	3.2 - 3.7			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.
Terminal block		gray blue	**PTU 35/4X10**	3002371	25

Accessories

Pick-off terminal block, for snapping into the lateral guide		gray	**AGK 4-UT 35**	3047138	50
Plug-in bridge					
	2	red	**FBS 2-10**	3005947	10
	5	red	**FBS 5-10**	3005948	10
Test plug metal part, 2.3 mm Ø		gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10
Modular test plug, for the individual assembly of test pin strips		red	**PS-6**	3030996	10
Screwdriver			**SZF 3-1,0X5,5**	1206612	10
Center and side groove labeling			**UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 3)**		

new

101 A, potential collective terminal block, 4 inputs 10 mm²

EAC

Technical data

Width	Length	Height NS 35/7,5	
19.4	**79.9**	**50.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
101	**1000**	**10 - 35**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
101	-	-	-
8 - 2	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
10 - 35	10 - 35	10 - 35	10 - 35
1.5 - 16	1.5 - 10	1.5 - 10	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
57 / 10	-	-	-
20 - 6	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
2.5 - 16	2.5 - 10	2.5 - 10	2.5 - 10
-	-	-	-
18			
M6			
3.2 - 3.7			
PA			
V0			

Ordering data

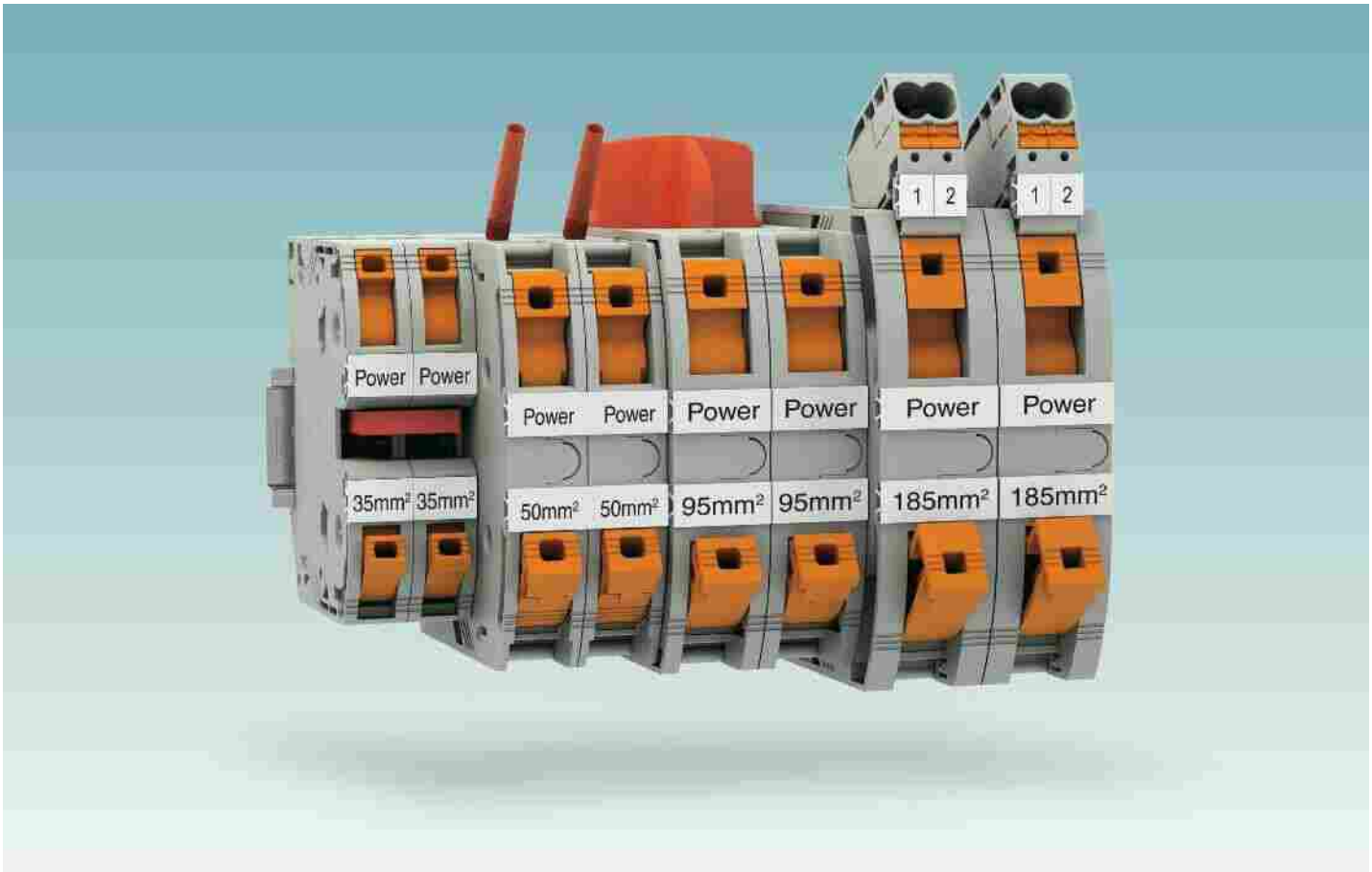
Type	Order No.	Pcs./Pkt.
PTU 35/4X10 BU	3002370	25

Accessories

AGK 4-UT 35	3047138	50
FBS 2-10	3005947	10
FBS 5-10	3005948	10
MPS-MT	0201744	10
MPS-IH RD	0201676	10
PS-6	3030996	10
SZF 3-1,0X5,5	1206612	10

UC-TM 16, UCT-TM 16 or ZB 16,3 (see Catalog 3)

PTPOWER Power-Turn high-current terminal blocks



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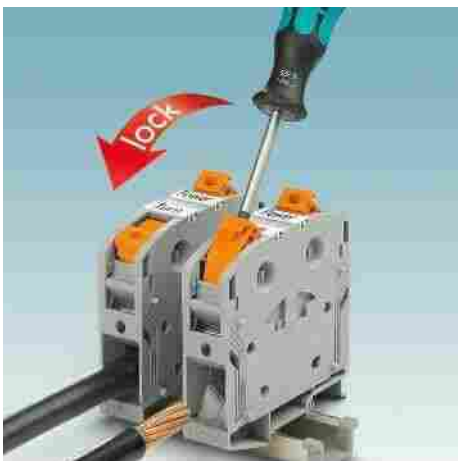
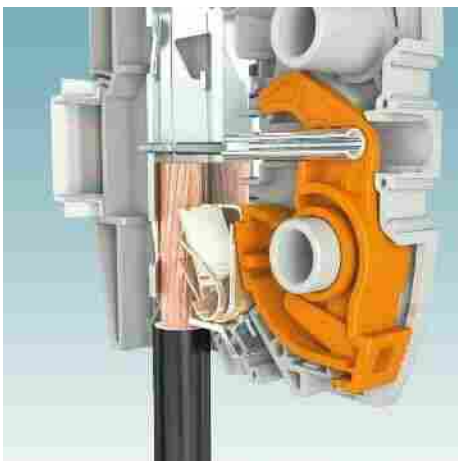


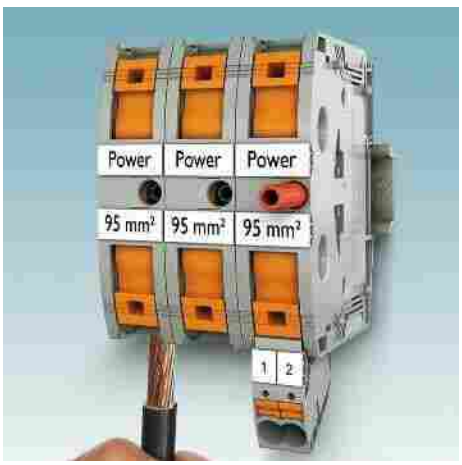
Twist connection

The patented Power-Turn spring connection technology enables large conductors to be connected quickly and easily using a standard screwdriver and a single lever movement.



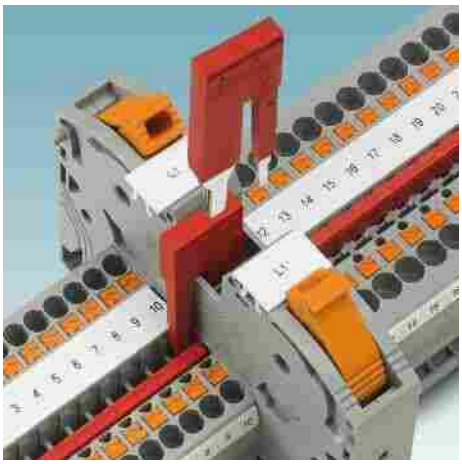
Reliable contact

Up to three high-quality spring steel pressure springs work with the prismatic terminal body base to create a vibration-resistant conductor connection that is stable in the long-term.

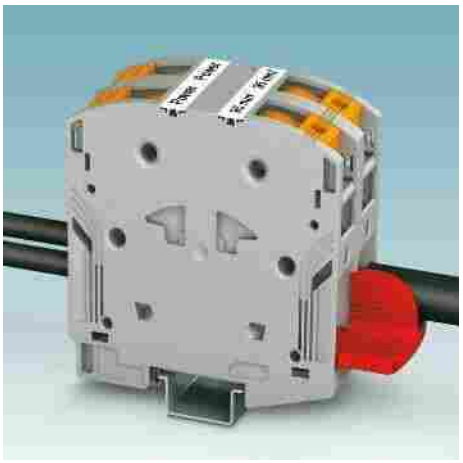


Direct connection

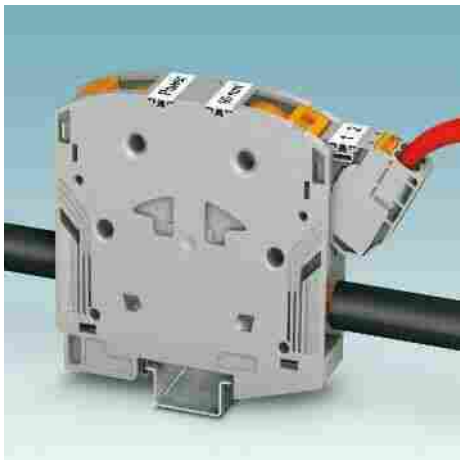
Quick and easy connection is now also possible for large conductors. Alternatively, conductors can also be quickly and easily inserted directly when the lever is closed by means of the Push-in method.



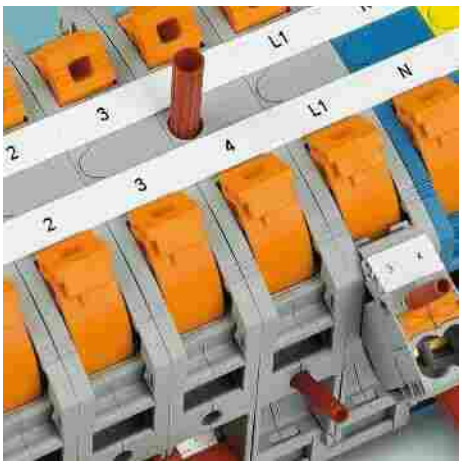
With PTPOWER 35, the reducing bridge enables terminal blocks with different nominal cross sections to be connected easily, e.g., to a PT 2,5 or PT 4 Push-in terminal block. Power blocks can be created quickly using the reducing bridge.



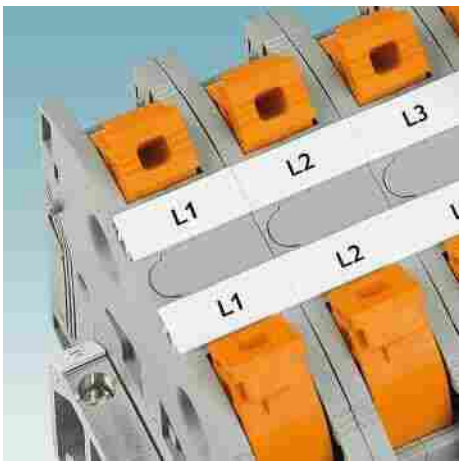
Distribute potentials with the isolated insertion bridges. They can be installed easily without any tools and latch securely in the clamping space. Thanks to their special design, they can also be easily identified following conductor connection.



The fully insulated and optional snap-on tap-off terminal block enables easy voltage tap-off for two conductors up to 16 mm². With large-surface marking option and integrated 2.3 mm test connection.



Test connection on both sides for standard test plugs with a diameter of 2.3 mm. High-current terminal block versions with 4 mm test connection in the terminal center are available for the use of 4 mm test plugs.



Large-surface, clear marking of the terminal points is essential for reliable and time-saving installation. Furthermore, it provides maximum overview in the control cabinet.

Pre-assembled terminal block bases reduce mounting and storage costs. The right terminal block base for DIN rail or direct mounting is available for every function.

Your web code: #0158

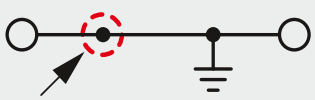
35 mm² PTPOWER Power-Turn high-current terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	35			
Cross section range	AWG	12 - 2			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	2.5 - 35	2.5 - 35	2.5 - 35	2.5 - 35
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
Connection cross sections directly plug-in	[mm²]	2.5 - 35	-	2.5 - 35	2.5 - 35
General data					
Stripping length	[mm]	25			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



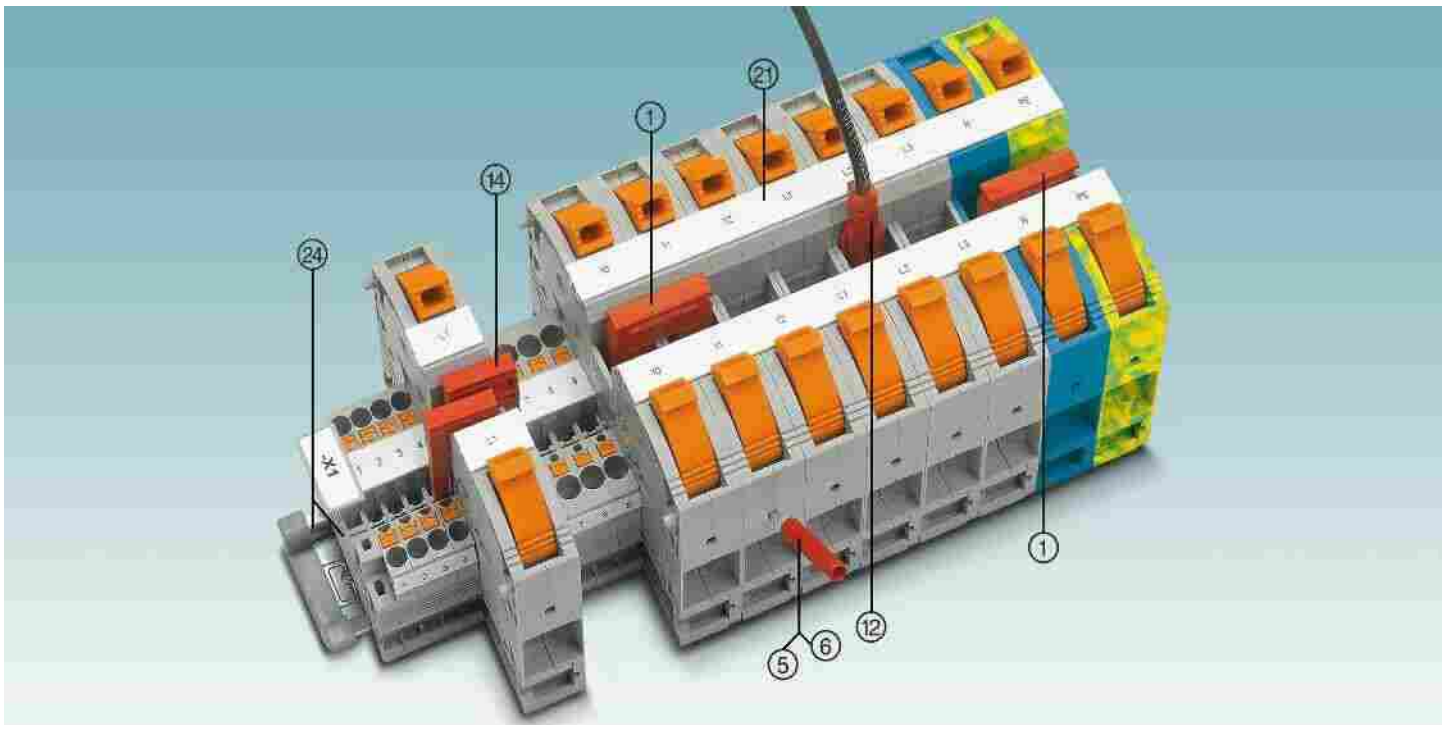
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



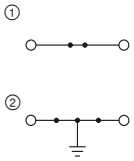
Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-16**	3005963	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test plug, with 2.5 mm² conductor		red	**PAI-ST 35/1000MM**	3029994	20			
Screwdriver			**SZF 3-1,0X5,5**	1206612	10			

Reducing bridge	**RB PTPOWER 35-ST(2,5/4) Order No. 3030900 for reduction bridging to ST 2,5 / PT 2,5 or ST 4 / PT 4** **RB PTPOWER 35-ST 16 Order No. 3032170 for reduction bridging to ST 16 / PT 16 N**
Center groove labeling	**UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 3, selection tables from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

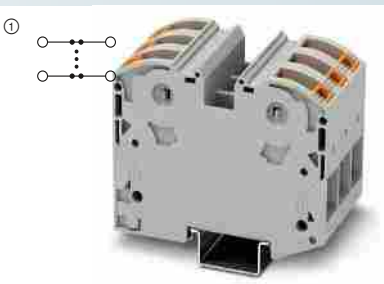
High-current terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 134.



125 A, feed-through terminal block



125 A, terminal block base

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
16	**91.6**	**69.8 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
125	**1000**	**2.5 - 35**	**-**
101			
IEC	UL / CUL	CSA	Ex
1000	1000	1000	-
125	- / -	115 / -	- / -

Technical data[1])

Width	Length	Height	
48	**91.6**	**69.8 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
125	**1000**	**2.5 - 35**	**-**
101			
IEC	UL / CUL	CSA	Ex
1000	1000	1000	-
125	- / -	115 / -	- / -

Ordering data

Description	Color
Terminal block	gray
	blue
	black/yellow
Ground terminal	green-yellow
Terminal block base, 3 x gray	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/ black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/ black-yellow

Ordering data

Type		Order No.	Pcs./Pkt.
PTPOWER 35	①	3212064	10
PTPOWER 35 BU	①	3212065	10
PTPOWER 35-FE	①	3212081	10
PTPOWER 35-PE	②	3212066	10

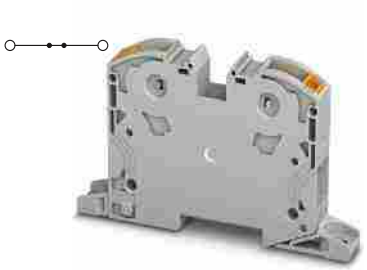
Ordering data

Type		Order No.	Pcs./Pkt.
PTPOWER 35-3L	①	3212068	3
PTPOWER 35-3L/N	①	3212069	2
PTPOWER 35-3L/FE	①	3212070	2
PTPOWER 35-3L/N/FE	①	3212071	2

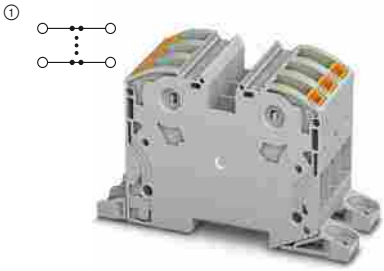
High-current terminal blocks for direct mounting

Notes:

[1]) For additional accessories and technical data, see page 134.



125 A, feed-through terminal block for direct mounting



125 A, terminal block base for direct mounting

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
16	**120.2**	**68.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
125	**1000**	**2.5 - 35**	**-**
101			
IEC	UL / CUL	CSA	Ex
1000	1000	1000	-
125	- / -	115 / -	- / -

Technical data[1])

Width	Length	Height	
48	**120.2**	**68.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
125	**1000**	**2.5 - 35**	**-**
101			
IEC	UL / CUL	CSA	Ex
1000	1000	1000	-
125	- / -	115 / -	- / -

Ordering data

Description	Color
Terminal block, for direct mounting	gray
	blue
	black/yellow
Terminal block base, for direct mounting, 3 x gray	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/ black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/ black-yellow

Ordering data

Type		Order No.	Pcs./Pkt.
PTPOWER 35-F	①	3212078	10
PTPOWER 35-F BU	①	3212079	10
PTPOWER 35-FE-F	①	3212082	10

Ordering data

Type		Order No.	Pcs./Pkt.
PTPOWER 35-3L-F	①	3212072	3
PTPOWER 35-3L/N-F	①	3212073	2
PTPOWER 35-3L/FE-F	①	3212075	2
PTPOWER 35-3L/N/FE-F	①	3212076	2

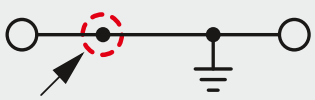
50 mm² PTPOWER Power-Turn high-current terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	50			
Cross section range	AWG	8 - 2/0			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	10 - 70	10 - 70	10 - 50	10 - 50
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
Connection cross sections directly plug-in	[mm²]	10 - 70	-	10 - 50	10 - 50
Max. cross section with insertion bridge	[mm²]	50	50	-	-
General data					
Stripping length	[mm]	30 - 32			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



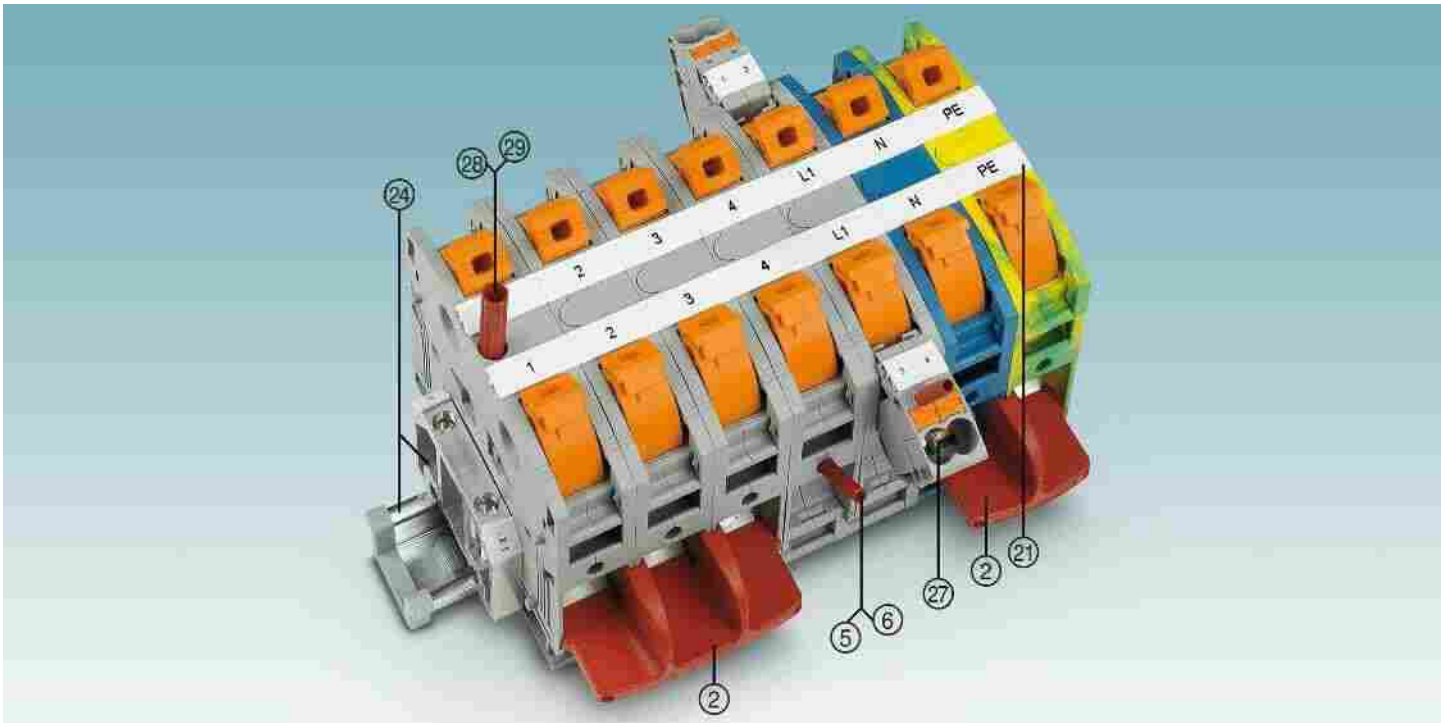
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



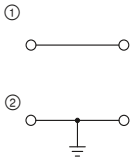
Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
② **Insertion bridge**[1])	2	red	**EB 2-20/PT**	3260067	10			
	3	red	**EB 3-20/PT**	3260068	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Tap-off terminal block		gray	**AGK 10-PTPOWER**	3260145	10			
		blue	**AGK 10-PTPOWER BU**	3260148	10			
		green/yellow	**AGK 10-PTPOWER GN/YE**	3260151	10			
		black/yellow	**AGK 10-PTPOWER BK/YE**	3260154	10			
Screwdriver			**SZF 3-1,0X5,5**	1206612	10			

Center groove labeling	**UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 3, selection tables from page 60.**
DIN rail and end bracket	**See Catalog 3**
Test plug	**For MPS-MT/ 4MM and PS-IH RD, see page 410.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

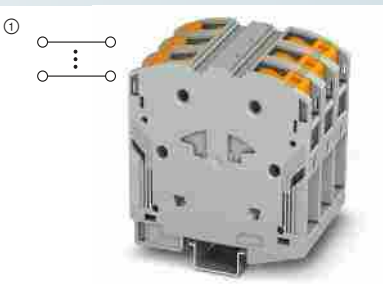
High-current terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 136.



150 A, feed-through terminal block



150 A, terminal block base

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
20	**101**	**105 (NS 35/15)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
150	**1000**	**10 - 70**	**8**
150			
IEC	UL / CUL	CSA	Ex
1000	1000	1000	-
150	140 / -	140 / -	- / -

Technical data[1])

Width	Length	Height	
60	**101**	**105 (NS 35/15)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
150	**1000**	**10 - 70**	**8**
150			
IEC	UL / CUL	CSA	Ex
1000	1000	1000	-
150	140 / -	140 / -	- / -

Description	Color
Terminal block	gray
	blue
	black/yellow
with 4 mm test connection	gray
Ground terminal	green-yellow
Terminal block base, 3 x gray	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/ black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/ black-yellow

Ordering data

Type		Order No.	Pcs./Pkt.
PTPOWER 50	①	3260050	10
PTPOWER 50 BU	①	3260051	10
PTPOWER 50-FE	①	3260063	10
PTPOWER 50 P	①	3260065	10
PTPOWER 50-PE	②	3260052	10

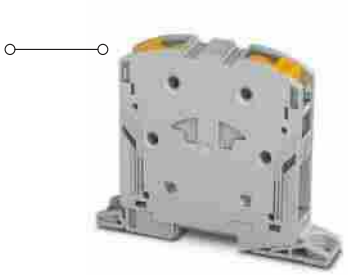
Ordering data

Type		Order No.	Pcs./Pkt.
PTPOWER 50-3L	①	3260053	3
PTPOWER 50-3L/N	①	3260054	3
PTPOWER 50-3L/FE	①	3260055	3
PTPOWER 50-3L/N/FE	①	3260056	2

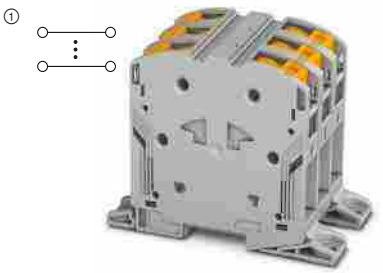
High-current terminal blocks for direct mounting

Notes:

[1]) For additional accessories and technical data, see page 136.



150 A, feed-through terminal block for direct mounting



150 A, terminal block base for direct mounting

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
20	**101**	**96**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
150	**1000**	**10 - 70**	**8**
150			
IEC	UL / CUL	CSA	Ex
1000	1000	1000	-
150	140 / -	140 / -	- / -

Technical data[1])

Width	Length	Height	
60	**101**	**96**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
150	**1000**	**10 - 70**	**8**
150			
IEC	UL / CUL	CSA	Ex
1000	1000	1000	-
150	140 / -	140 / -	- / -

Description	Color
Terminal block, for direct mounting	gray
	blue
	black/yellow
Terminal block base, for direct mounting, with three gray feed-through terminal blocks	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/ black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/ black-yellow

Ordering data

Type		Order No.	Pcs./Pkt.
PTPOWER 50-F	①	3260061	10
PTPOWER 50-F BU	①	3260062	10
PTPOWER 50-FE-F	①	3260064	10

Ordering data

Type		Order No.	Pcs./Pkt.
PTPOWER 50-3L-F	①	3260057	3
PTPOWER 50-3L/N-F	①	3260058	3
PTPOWER 50-3L/FE-F	①	3260059	3
PTPOWER 50-3L/N/FE-F	①	3260060	2

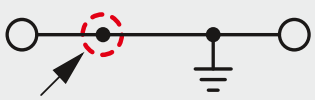
95 mm² PTPOWER Power-Turn high-current terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	95			
Cross section range	AWG	4 - 4/0			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	25 - 95	25 - 95	25 - 95	25 - 95
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
Connection cross sections directly plug-in	[mm²]	25 - 95	-	25 - 95	25 - 95
Max. cross section with insertion bridge	[mm²]	70	70	-	-
General data					
Stripping length	[mm]	40			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



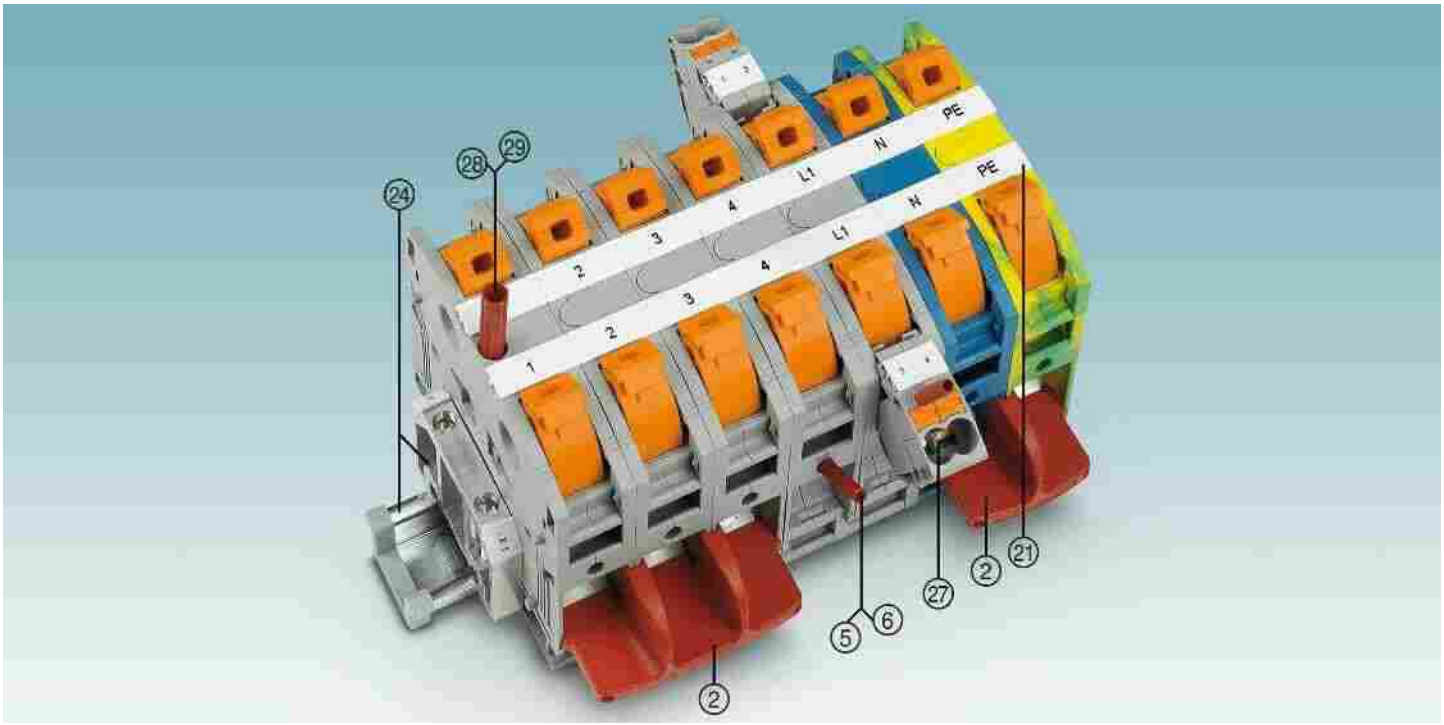
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
② **Insertion bridge**[1])	2	red	**EB 2-25/PT**	3260157	10			
	3	red	**EB 3-25/PT**	3260160	10			
	4	red	**EB 4-25/PT**	3260161	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Tap-off terminal block		gray	**AGK 10-PTPOWER**	3260145	10			
		blue	**AGK 10-PTPOWER BU**	3260148	10			
		green/yellow	**AGK 10-PTPOWER GN/YE**	3260151	10			
		black/yellow	**AGK 10-PTPOWER BK/YE**	3260154	10			
Screwdriver			**SZF 3-1,0X5,5**	1206612	10			

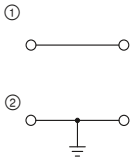
Center groove labeling	**UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 3, selection tables from page 60.**
DIN rail and end bracket	**See Catalog 3**
Test plug	**For MPS-MT/ 4MM and PS-IH RD, see page 410.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

High-current terminal blocks

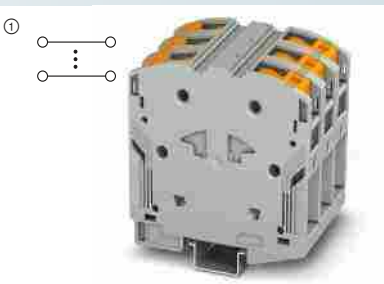
Notes:

[1]) For additional accessories and technical data, see page 138.

For information on installation and using accessories for Ex applications, see page 678.



232 A, feed-through terminal block



232 A, terminal block base

Ex: EAC Ex
SEV14ATEX0156U / IECExSEV14.0013U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**25**	**105.5**	**108.7 (NS 35/15)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		232	**1000**	**25 - 95**	**-**
Maximum bridge current	[A]	150			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	1000	1000	1100
Nominal current / cross section	[A] / [mm²]	232	- / -	230 / -	215 / 95

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**75**	**105.5**	**108.7 (NS 35/15)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		232	**1000**	**25 - 95**	**-**
Maximum bridge current	[A]	150			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	1000	1000	-
Nominal current / cross section	[A] / [mm²]	232	- / -	230 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTPOWER 95**	①	3260100	3
	blue	**PTPOWER 95 BU**	①	3260103	3
	black/yellow	**PTPOWER 95-FE**	①	3260139	3
with 4 mm test connection	gray	**PTPOWER 95 P**	①	3260163	3
Ground terminal	green-yellow	**PTPOWER 95-PE**	②	3260106	3
Terminal block base, 3 x gray	gray				
3 x gray	gray/blue				
3 x gray, 1 x black-yellow	gray/black-yellow				
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow				

Ordering data

Type		Order No.	Pcs./Pkt.
PTPOWER 95-3L	①	3260109	3
PTPOWER 95-3L/N	①	3260112	2
PTPOWER 95-3L/FE	①	3260115	2
PTPOWER 95-3L/N/FE	①	3260118	2

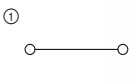
High-current terminal blocks for direct mounting

Notes:

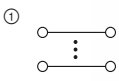
[1]) For additional accessories and technical data, see page 138.

For drilling diagram, see phoenixcontact.net/products

For information on installation and using accessories for Ex applications, see page 678.



232 A, feed-through terminal block, for direct mounting



232 A, terminal block base for direct mounting

Ex: EAC Ex
SEV14ATEX0156U / IECExSEV14.0013U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**25**	**139.1**	**99.8**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		232	**1000**	**25 - 95**	**-**
Maximum bridge current	[A]	150			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	1000	1000	1100
Nominal current / cross section	[A] / [mm²]	232	- / -	230 / -	215 / 95

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**75**	**139.1**	**99.8**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		232	**1000**	**25 - 95**	**-**
Maximum bridge current	[A]	150			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	1000	1000	-
Nominal current / cross section	[A] / [mm²]	232	- / -	230 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, for direct mounting	gray	**PTPOWER 95-F**	①	3260133	3
	blue	**PTPOWER 95-F BU**	①	3260136	3
	black/yellow	**PTPOWER 95-FE-F**	①	3260142	3
Terminal block base, for direct mounting, with three gray feed-through terminal blocks	gray				
3 x gray, 1 x blue	gray/blue				
3 x gray, 1 x black-yellow	gray/black-yellow				
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow				

Ordering data

Type		Order No.	Pcs./Pkt.
PTPOWER 95-3L-F	①	3260121	3
PTPOWER 95-3L/N-F	①	3260124	2
PTPOWER 95-3L/FE-F	①	3260127	2
PTPOWER 95-3L/N/FE-F	①	3260130	2

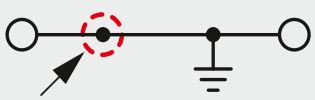
185 mm² PTPOWER Power-Turn high-current terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	150			
Cross section range	AWG	3/0 - 350 kcmil			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	95 - 185	95 - 185	95 - 150	95 - 150
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
Connection cross sections directly plug-in	[mm²]	95 - 185	-	95 - 150	95 - 150
Max. cross section with insertion bridge	[mm²]	150	150	-	-
General data					
Stripping length	[mm]	40			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



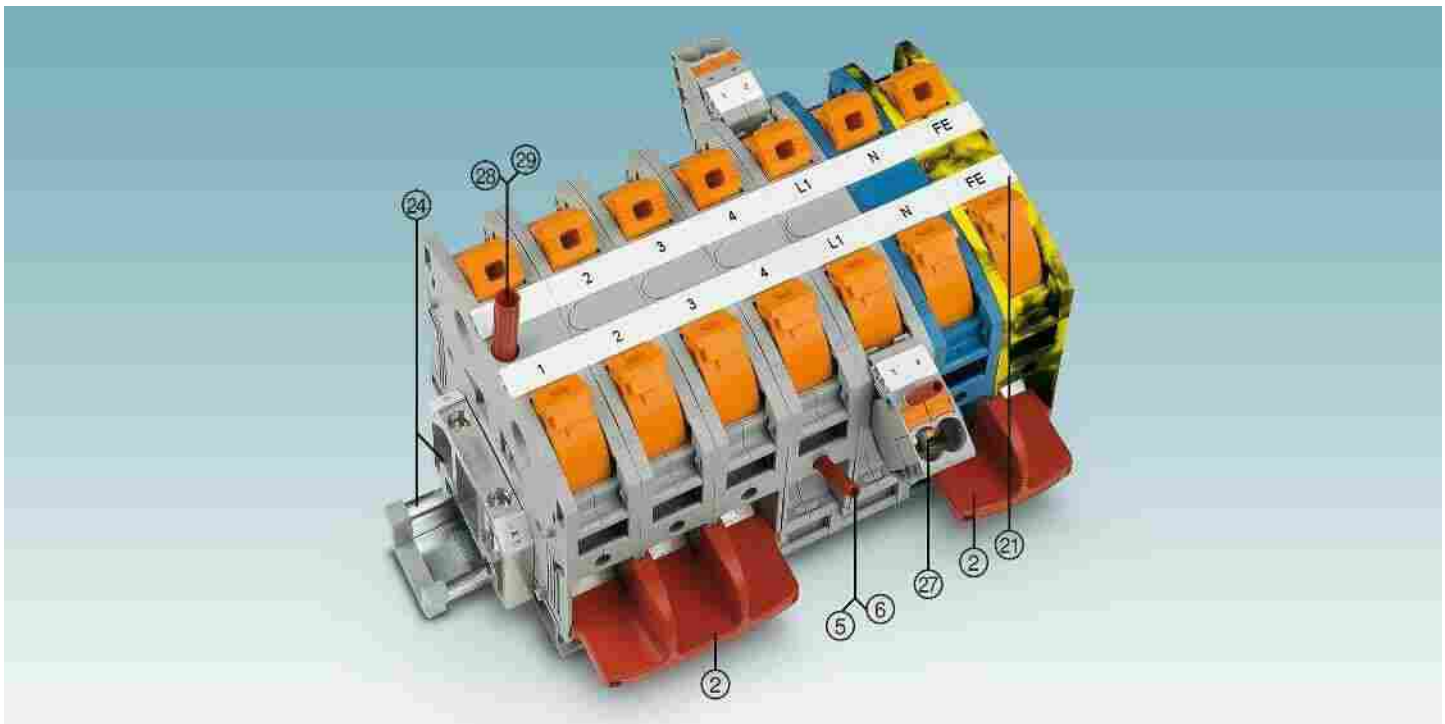
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



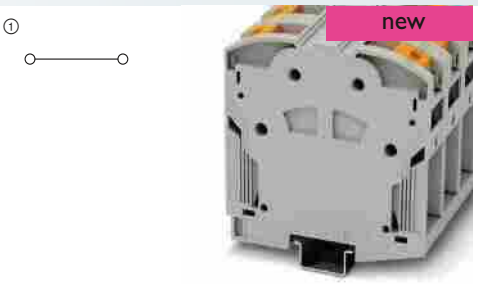
Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
② **Insertion bridge**[1])	2	red	**EB 2-31/PT**	3215057	5			
	3	red	**EB 3-31/PT**	3215058	5			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Tap-off terminal block		gray	**AGK 10-PTPOWER**	3260145	10			
		blue	**AGK 10-PTPOWER BU**	3260148	10			
		green/yellow	**AGK 10-PTPOWER GN/YE**	3260151	10			
		black/yellow	**AGK 10-PTPOWER BK/YE**	3260154	10			
Screwdriver			**SZF 3-1,0X5,5**	1206612	10			

Center groove labeling	**UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 3, selection tables from page 60.**
DIN rail and end bracket	**See Catalog 3**
Test plug	**For MPS-MT/ 4MM and PS-IH RD, see page 410.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

High-current terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 141.



309 A, feed-through terminal block

309 A, terminal block base

Technical data[1])			
Width	Length	Height	
31	**116.4**	**116.5 (NS 35/15)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
309	**1500**	**95 - 185**	**-**
232			
IEC	UL / CUL	CSA	Ex
1500	1000	1000	-
309	- / -	270 / -	- / -

Technical data[1])			
Width	Length	Height	
93	**116.4**	**108.7 (NS 35/15)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
309	**1500**	**95 - 185**	**-**
232			
IEC	UL / CUL	CSA	Ex
1500	1000	1000	-
309	- / -	270 / -	- / -

Dimensions		
	[mm]	
Maximum electrical data		
Maximum bridge current	[A]	
Rated data		
Rated voltage	[V]	
Nominal current / cross section	[A] / [mm²]	

Ordering data			
Description	Color	Type	Order No.	Pcs./Pkt.
Terminal block	gray	**PTPOWER 185** ①	1054722	3
	blue	**PTPOWER 185 BU** ①	1054723	3
	black/yellow	**PTPOWER 185-FE** ①	1054724	3
with 4 mm test connection	gray	**PTPOWER 185 P** ①	1054725	3
	blue	**PTPOWER 185 P BU** ①	1054726	3
Terminal block base, 3 x gray	gray			
3 x gray, 1 x blue	gray/blue			
3 x gray, 1 x black-yellow	gray/black-yellow			
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow			

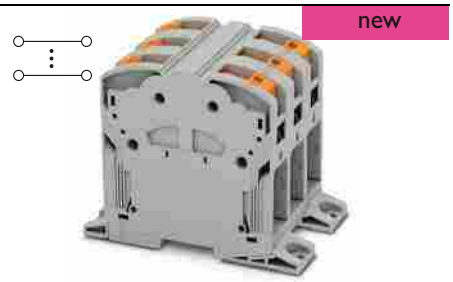
Ordering data			
Type		Order No.	Pcs./Pkt.
PTPOWER 185-3L ①		1054728	1
PTPOWER 185-3L/N ①		1054729	1
PTPOWER 185-3L/FE ①		1054730	1
PTPOWER 185-3L/N/FE ①		1054731	1

High-current terminal blocks for direct mounting

Notes:

[1]) For additional accessories and technical data, see page 141.

309 A, feed-through terminal block, for direct mounting



309 A, terminal block base for direct mounting

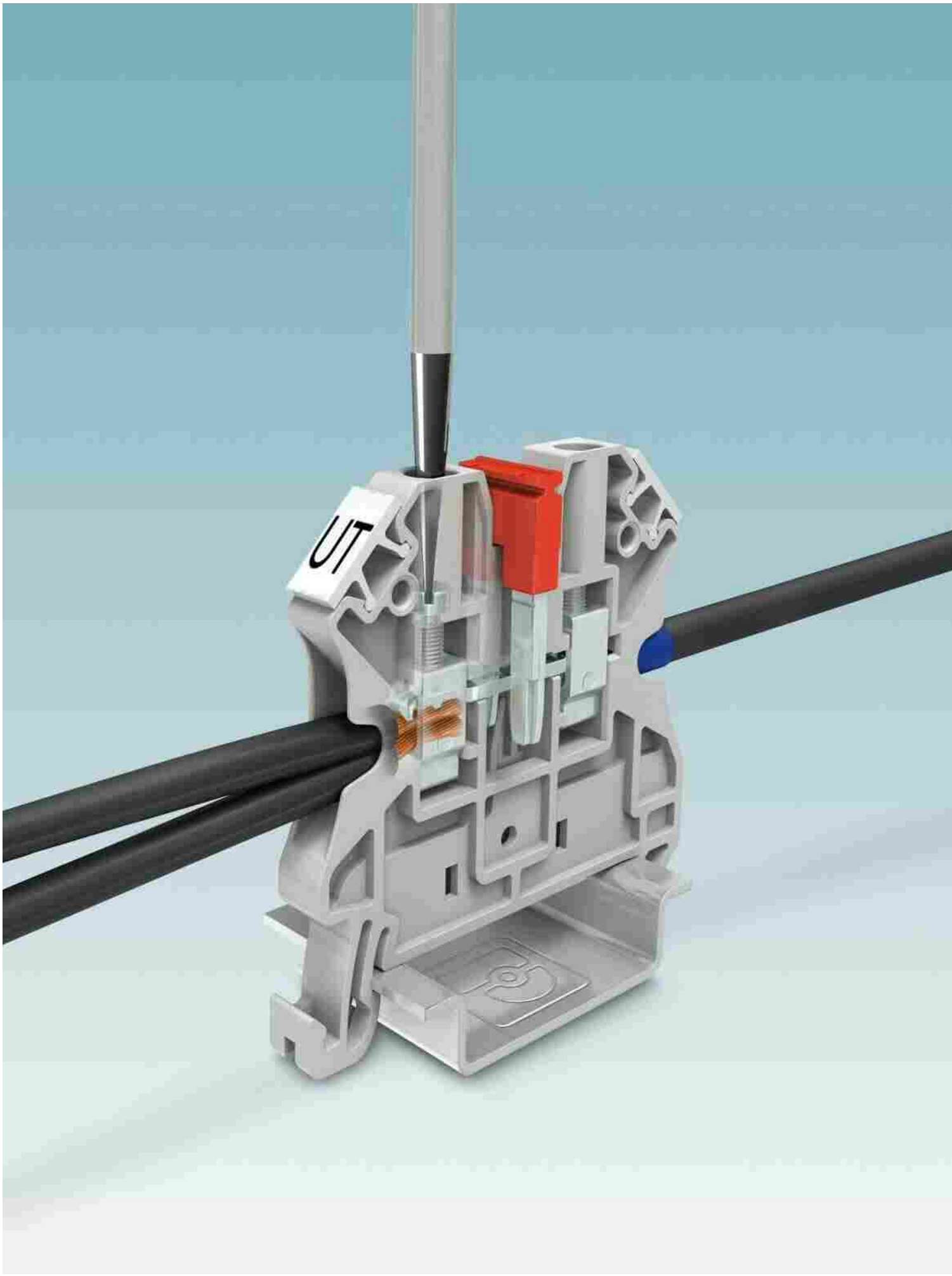
Technical data[1])			
Width	Length	Height	
31	**150**	**108.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
309	**1500**	**95 - 185**	**-**
232			
IEC	UL / CUL	CSA	Ex
1500	1000	1000	-
309	- / -	270 / -	- / -

Technical data[1])			
Width	Length	Height	
93	**150**	**108.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
309	**1500**	**95 - 185**	**-**
232			
IEC	UL / CUL	CSA	Ex
1500	1000	1000	-
309	- / -	270 / -	- / -

Dimensions		
	[mm]	
Maximum electrical data		
Maximum bridge current	[A]	
Rated data		
Rated voltage	[V]	
Nominal current / cross section	[A] / [mm²]	

Ordering data			
Description	Color	Type	Order No.	Pcs./Pkt.
Terminal block, for direct mounting	gray	**PTPOWER 185 F** ①	1054732	3
	blue	**PTPOWER 185 F BU** ①	1054733	3
	black/yellow	**PTPOWER 185 FE-F** ①	1054734	3
with 4 mm test connection	gray	**PTPOWER 185 P-F** ①	1054739	3
Terminal block base, for direct mounting, with three gray feed-through terminal blocks	gray			
3 x gray, 1 x blue	gray/blue			
3 x gray, 1 x black-yellow	gray/black-yellow			
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow			

Ordering data			
Type		Order No.	Pcs./Pkt.
PTPOWER 185 3L-F ①		1054735	1
PTPOWER 185 3L/N-F ①		1054736	1
PTPOWER 185 3L/FE-F ①		1054737	1
PTPOWER 185 3L/N/FE-F ①		1054738	1


UT

UT screw connection terminal blocks

The UT screw connection terminal blocks from the CLIPLINE complete system satisfy the most stringent requirements and cover a wide area of application. The terminal blocks impress with their maintenance-free conductor connection and offer maximum flexibility with their multi-conductor connection. You can connect conductors with a nominal cross section either with or without ferrules. It is not necessary to tighten the terminal block screws, since they are prevented from loosening by the Reakdyn principle, a screw locking technique developed by Phoenix Contact. Very large conductor cross sections up to 240 mm² can also be wired gas-tight and with long-term stability thanks to the high contact forces.

Your web code: #1397

Product range overview

2.5 mm²

Feed-through, multi-conductor, multi-level, and ground terminal blocks	**149**
Disconnect and knife disconnect terminal blocks	**151**
Diode and LED terminal blocks	**153**
Installation terminal blocks	**154**
Mini feed-through and ground terminal blocks	**157**

4 mm²

Feed-through, multi-conductor, multi-level, and ground terminal blocks	**159**
Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape	**161**
Disconnect and knife disconnect terminal blocks	**163**
Diode terminal blocks	**168**
Test disconnect terminal blocks	**169**
Installation terminal blocks	**170**
Mini feed-through and ground terminal blocks	**171**

6 mm²

Feed-through, multi-level and ground terminal blocks	**173**
Fuse terminal blocks	**173**
Disconnect and knife disconnect terminal blocks	**174**
Test disconnect terminal blocks	**176**
Installation terminal blocks	**178**

10 mm²

Feed-through and ground terminal blocks	**183**
Installation terminal blocks	**183**

16 mm²

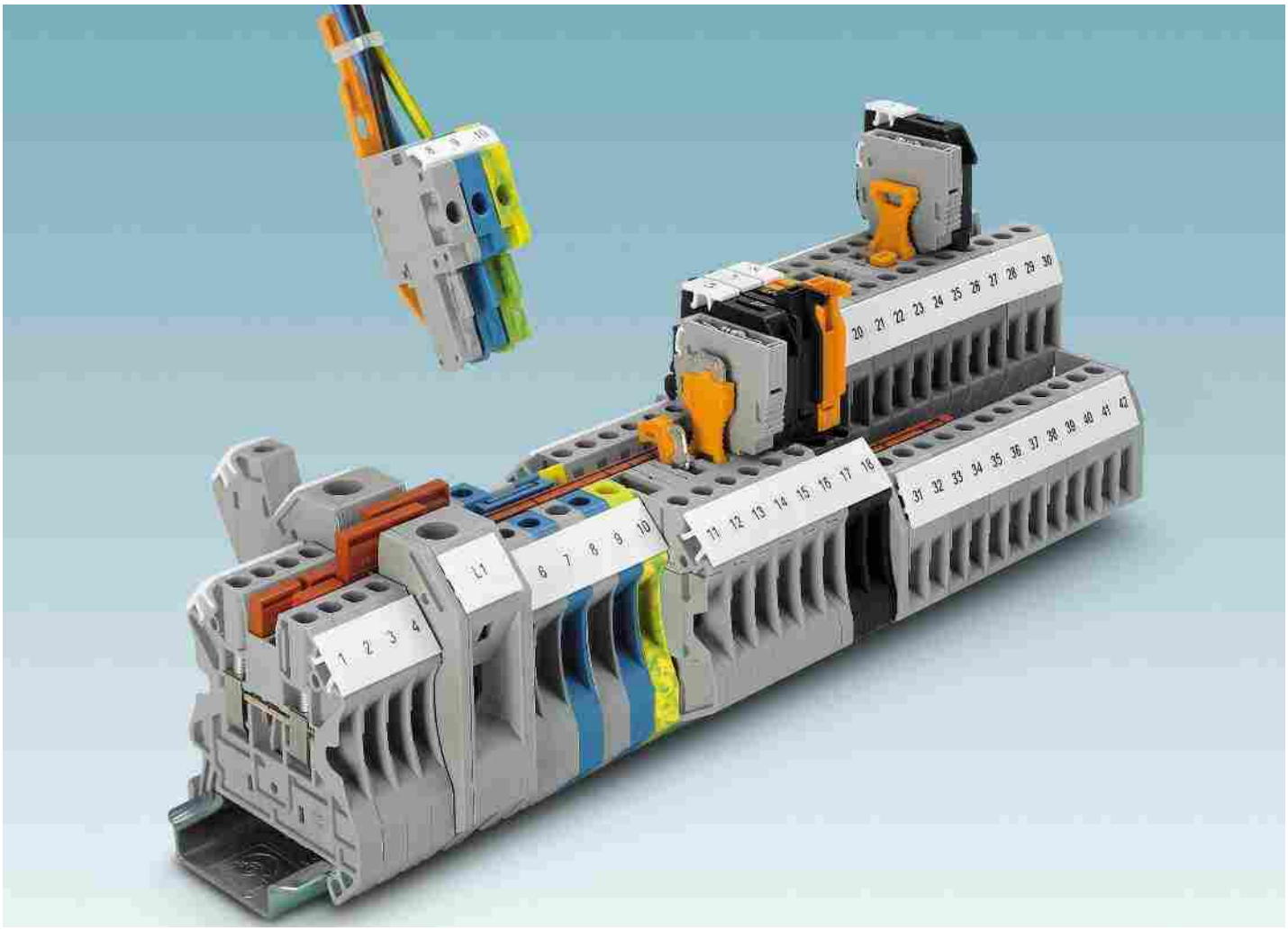
Feed-through and ground terminal blocks	**185**
Installation terminal blocks	**185**

35 mm²

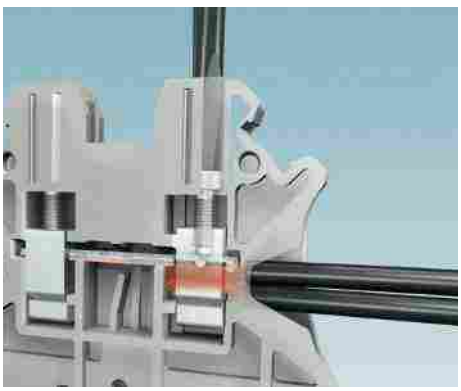
Feed-through and ground terminal blocks	**187**
Installation terminal blocks	**187**

50 mm² - 240 mm²

High-current terminal blocks	**189**



Your web code: #1397



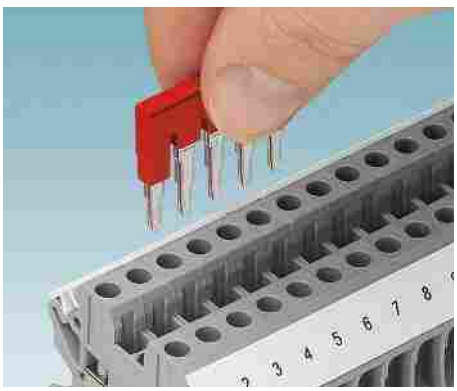
Universal and zero-maintenance

The screw connection is characterized by three main features.

– Global standard
– Multiple conductor connection
– Zero maintenance thanks to Reakdyn principle.

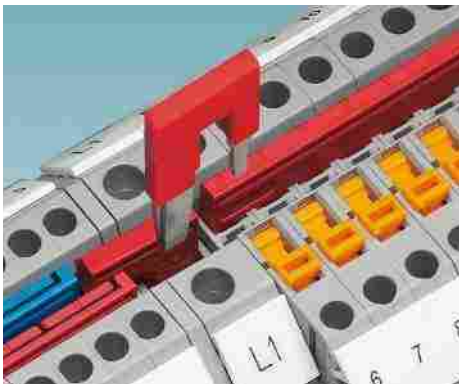
Snap-on PE foot

Ground terminal blocks of the same shape are simply snapped onto the DIN rail in order to make contact. This mechanically and electrically efficient contacting meets all the requirements of the IEC 60947-7-2 standard.

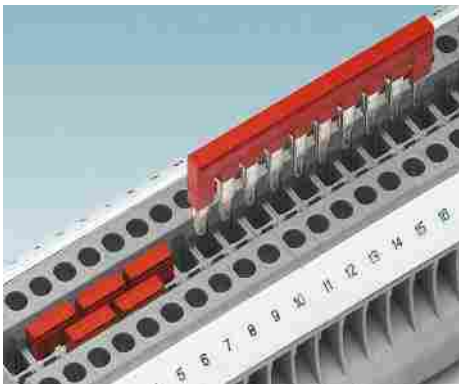


Flexible plug-in bridge system

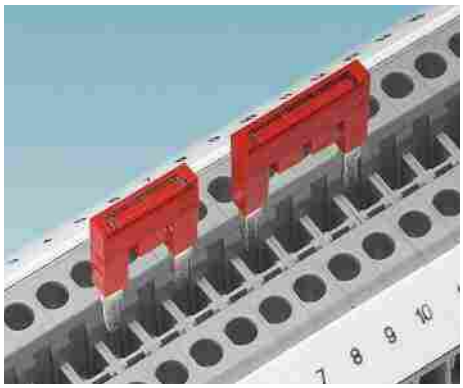
Potential can be distributed quickly using standardized plug-in bridges. Using two bridge shafts in all terminal blocks makes flexible chain and level bridging and bridging between non-adjacent terminal blocks possible.



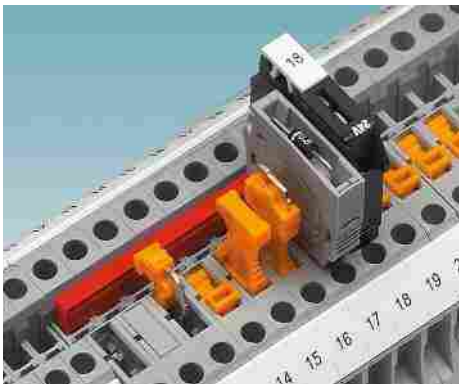
The reducing bridge enables terminal blocks with different nominal cross sections to be connected easily, e.g., a UT 10 terminal block to a UT 2,5. Power blocks can be created quickly using the reducing bridge.



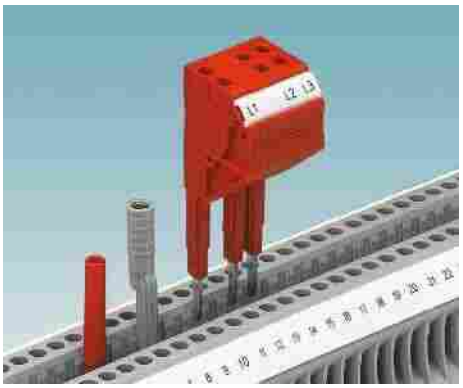
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2- to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



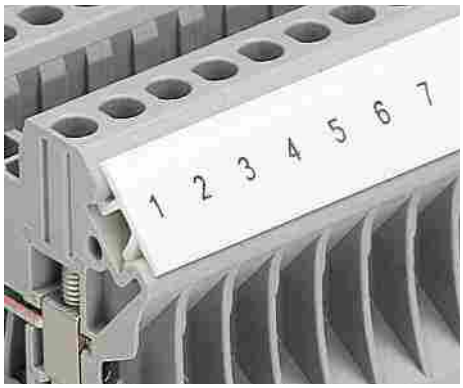
Bridging between non-adjacent terminal blocks is established by removing individual contact tabs from the standard bridge. Two potentials can then be routed in parallel through a terminal strip. The contact points can also be marked.



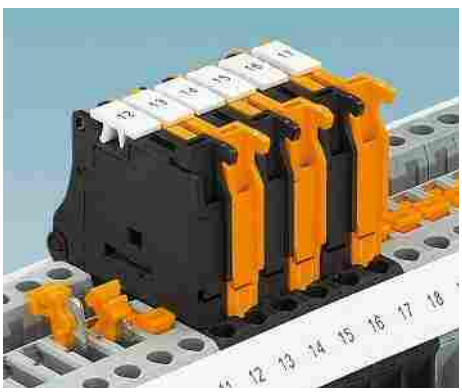
The isolated feed-through connector P-FIX, isolating connector P-DI, component connector P-CO and the cartridge fuse connector P-FU can be used in the universal plug-in zone of the disconnect terminal block.



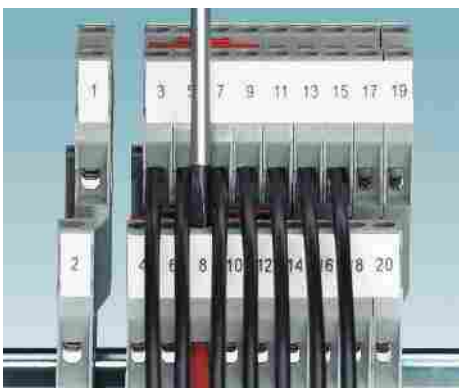
For measuring lines, a test plug with 2.3 mm diameter is available. All measurement and testing tasks can be carried out quickly using test adapters for 4 mm diameter test plugs and the alignable test plugs.



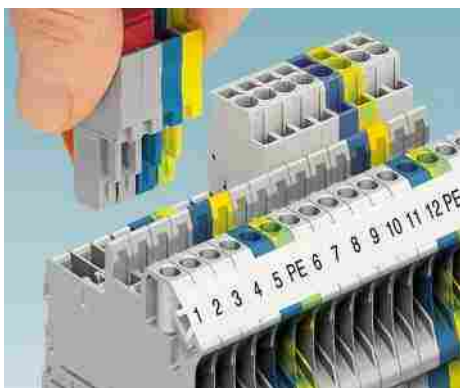
Large-surface and clear marking of the terminal points is essential for reliable and quick installation. Each terminal point in the UT series can be marked separately.



Disconnect terminal blocks and feed-through terminal blocks UT 4-MTD are available in the same shape as the feed-through terminal blocks. All terminal blocks can be continuously bridged with one another with the double function shaft.



The offset levels of the double-level terminal blocks allow unhindered access to the lower connection levels even when already fully wired. They also provide a perfect view of the lower marking labels and conductor entry funnel.



UT-COMBI terminal blocks are available for creating plug-in signal and power wiring. The system has a touch-proof design and offers plugs for self-assembly with extensive accessories. See “COMBI” section, page 267

UT ... feed-through, multi-conductor, and multi-level terminal blocks

- Multi-level terminal blocks with PE pick-off and function level
- Signal processing and protection in a confined space, thanks to safety/disconnect lever and universal function zone
- Double bridge shaft enables individual potential distribution and supply
- Suitable for process technology, thanks to Ex nA approval
- Feed-through terminal blocks of the same shape available

Your web code: #0056

UT ... multifunctional terminal blocks

- A wide range of products, thanks to versions with PE function or LED display
- Optimum overview of signal connections thanks to a variety of marking options
- Modular expansion up to a maximum of 50 positions, as power terminals are the same shape
- Power fed-in or power-line extended via power terminals

Your web code: #0075

UT ... function terminal blocks

- Convenient separation of circuits using lever-type disconnect knife, isolating plug or rotary contact
- User-friendly current measurement thanks to testing facility either side of the disconnect point
- Safe operation as the disconnect lever is locked in the end positions
- Clear identification of the disconnect point thanks to color highlighting
- Individual assembly with disconnect element, fuse plug, component connector, and feed-through connector

Your web code: #0057

UTME ... test disconnect terminal blocks

- Easy and safe operation, thanks to clear indication of switching states
- Maximum functionality, up to six universal function shafts for potential distribution or for test purposes
- Modular expansion thanks to feed-through terminal blocks and ground terminals of the same shape
- Simple and individual configuration of measuring transducer terminal strips
- Ideal application possibilities in measuring and control engineering, from the counter right up to the secondary technology of switching devices and power stations

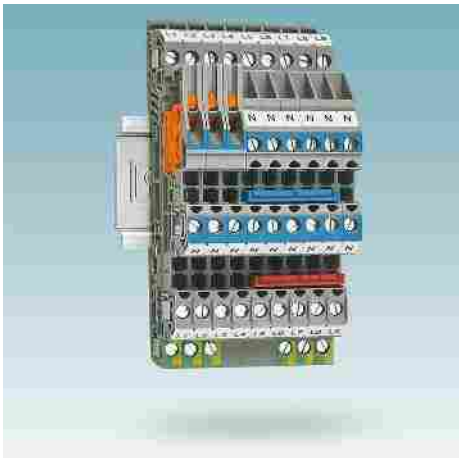
Your web code: #0058

MUT ... miniature terminal blocks

- Space saving, thanks to compact design and mounting option on a 15 mm DIN rail
- Clear, as all terminal points are marked
- Easy potential distribution thanks to standardized bridges
- Ideal for installation in small control boxes or terminal boxes, e.g., for motor connection

Your web code: #0059

UTI ... installation terminal blocks



- Space saving, thanks to compact three-level distributor terminal blocks of the same shape for single- and multi-phase circuits
- Complete flexibility – all installation terminal blocks with different connection technologies can be combined
- Dielectric test without disconnecting the neutral conductor – thanks to the disconnect slide
- Protection against unintentional actuation since the disconnect slide can be snapped into the limit positions
- Easy terminal block mounting without removing the neutral busbar

Your web code: #0060

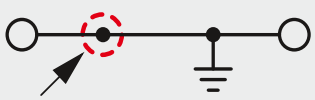
2.5 mm² UT screw connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	2.5			
Cross section range	AWG	26 - 12			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
2 conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



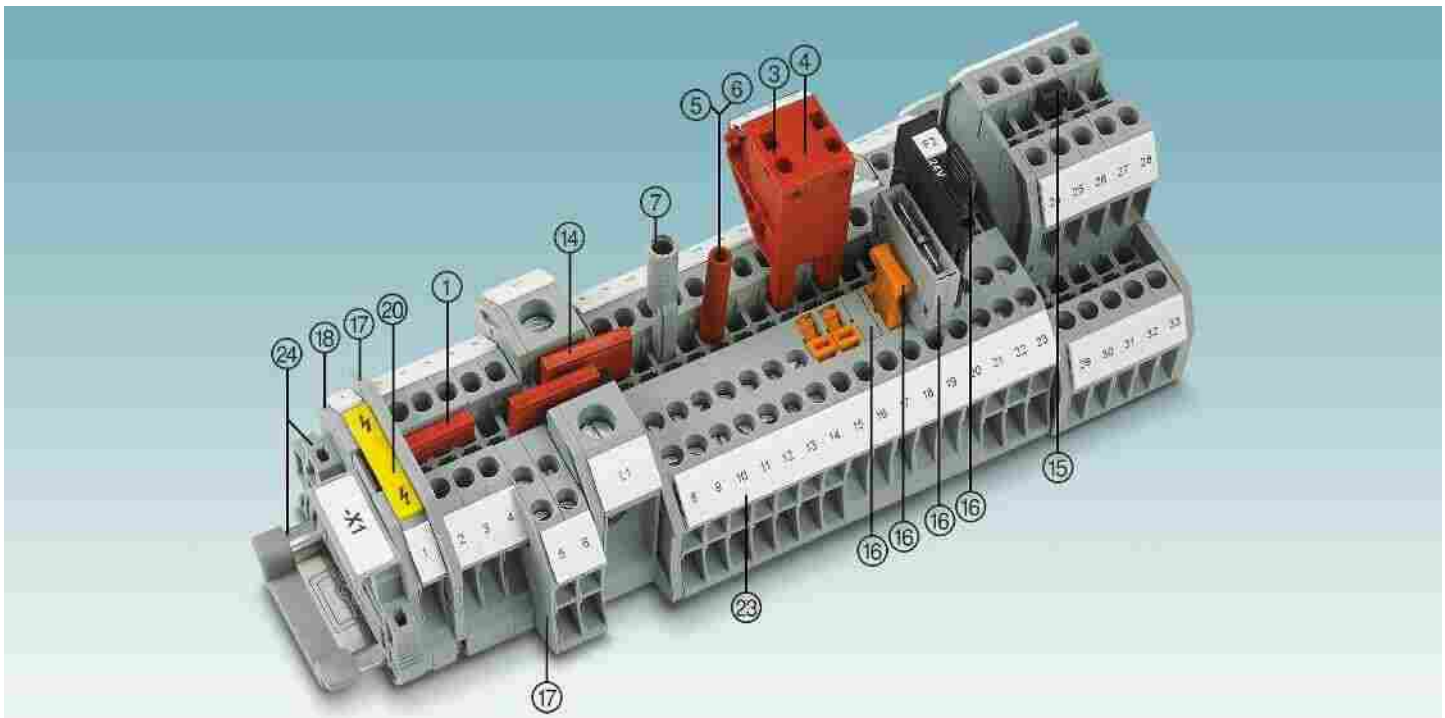
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-5**	3030161	50	**FBSR 2-5**	3033702	50
	3	red	**FBS 3-5**	3030174	50	**FBSR 3-5**	3001591	50
	4	red	**FBS 4-5**	3030187	50	**FBSR 4-5**	3001592	50
	5	red	**FBS 5-5**	3030190	50	**FBSR 5-5**	3001593	50
	10	red	**FBS 10-5**	3030213	10	**FBSR 10-5**	3033710	10
	20	red	**FBS 20-5**	3030226	10			
③ **Modular test plug**		red	**PS-5**	3030983	10			
Spacer plate		red	**DP PS-5**	3036725	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	1212587	10			

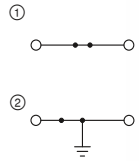
Reducing bridge	**For RB ..., see page 408.**
Vertical potential bridge	**For FBS-PV ..., see page 404.**
Fuse and function plugs for disconnect terminal blocks	**For P-FU ... / P-DI / P-FIX / P-CO ..., see from page 414.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Lateral groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 148.

For information on installation and using accessories for Ex applications, see page 678.



32 A, feed-through and ground terminal block

EAC

Ex: EAC Ex
KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data[1])

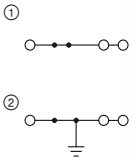
Dimensions				
	[mm]	Width	Length	Height
		5.2	**47.7**	**47.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	**1000**	**0.14 - 4** / **26-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / 690
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / 21 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 2,5**	①	3044076	50
	blue	**UT 2,5 BU**	①	3044089	50
Ground terminal	green-yellow	**UT 2,5-PE**	②	3044092	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UT 2,5/10**	3047028	50



30 A, feed-through and ground terminal block, 3 connections

EAC

Ex: EAC Ex
KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**57.8**	**47.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30	**500**	**0.14 - 4** / **26-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	150	150 / 352
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / 21 / 2.5

Ordering data

Type		Order No.	Pcs./Pkt.
UT 2,5-TWIN	①	3044513	50
UT 2,5-TWIN BU	①	3044526	50
UT 2,5-TWIN-PE	②	3044539	50

Accessories[1])

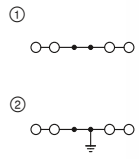
D-UT 2,5/4-TWIN	3047141	50

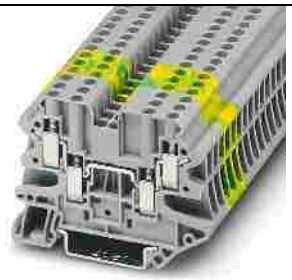
Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 148.

For information on installation and using accessories for Ex applications, see page 678.





30 A, feed-through and ground terminal block, 4 connections

EAC

Ex: EAC Ex
KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data[1])

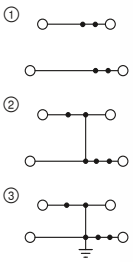
Dimensions				
	[mm]	Width	Length	Height
		5.2	**65.4**	**47.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30	**500**	**0.14 - 4** / **26-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	150	150 / 352
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / 21 / 2.5

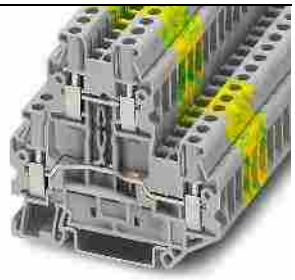
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 2,5-QUATTRO**	①	3044542	50
	blue	**UT 2,5-QUATTRO BU**	①	3044555	50
	With potential distribution	gray			
Ground terminal	green-yellow	**UT 2,5-QUATTRO-PE**	②	3044568	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UT 2,5/4-QUATTRO**	3047170	50
Spacer plate	gray			





28 A, double-level terminal block and ground terminal

EAC

Ex: EAC Ex
KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**69.9**	**65 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		28	**500**	**0.14 - 4** / **26-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / 352
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / 20 / 2.5

Ordering data

Type		Order No.	Pcs./Pkt.
UTTB 2,5	①	3044636	50
UTTB 2,5 BU	①	3044649	50
UTTB 2,5-PV	②	3044652	50
UTTB 2,5-PE	③	3044665	50

Accessories[1])

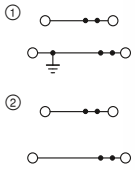
D-UTTB 2,5/4	3047293	50
DP-UTTB 2,5/4	3047303	50

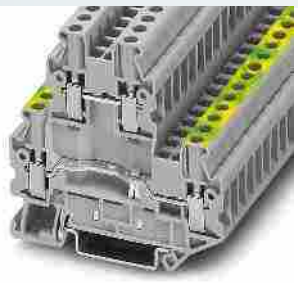
2.5 mm² UT screw connection terminal blocks

Feed-through, multi-conductor, multi-level, and ground terminal blocks

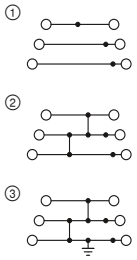
Notes:

[1]) For additional accessories and technical data, see page 148.





28 A, double-level terminal block with PE foot



24 A, three-level terminal block and ground terminal

EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	69.9	65 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		28	500	0.14 - 4 / 26-12
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UTTB 2,5-PE/L**	①	3044678	50
	blue				
upper level blue	gray	**UTTB 2,5-PE/N**	①	3046731	50
upper level blue	gray	**UTTB 2,5-L/N**	②	3044681	50
with potential distribution	gray				
Ground terminal	green-yellow				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UTTB 2,5/4**	3047293	50
Spacer plate	gray	**DP-UTTB 2,5/4**	3047303	50

EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	90	77.5 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	500	0.14 - 4 / 26-12
Maximum bridge current	[A]	19 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	19 / 2.5	20 / -	20 / - / - / -

Ordering data

Type		Order No.	Pcs./Pkt.
UT 2,5-3L	①	3214259	50
UT 2,5-3L BU	①	3002389	50
UT 2,5-3PV	②	3214262	50
UT 2,5-3PE	③	3214275	50

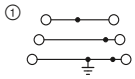
Accessories[1])

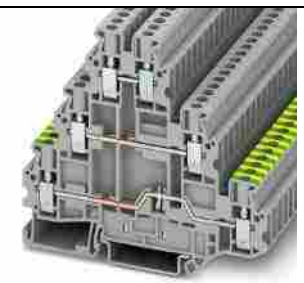
D-UT 2,5-3L	3214314	50

Multi-level terminal blocks

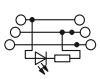
Notes:

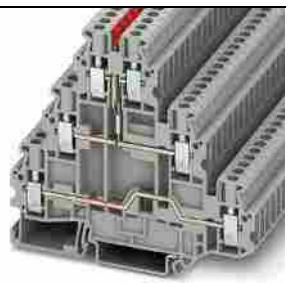
[1]) For additional accessories and technical data, see page 148.





24 A, three-level terminal block with PE foot





24 A, three-level terminal block with LED display

EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	90	77.5 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	500	0.14 - 4 / 26-12
Maximum bridge current	[A]	19 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	19 / 2.5	20 / -	20 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 2,5-PE/L/L**	①	3214301	50
upper level blue	gray	**UT 2,5-PE/L/N**	①	3214291	50
Terminal block, with LED for 12 - 30 V DC, 0.7 - 2.4 mA	gray				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UT 2,5-3L**	3214314	50

EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	90	77.5 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	500	0.14 - 4 / 26-12
Maximum bridge current	[A]	19 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	24 / -
Nominal current / cross section	[A] / [mm²]	19 / 2.5	20 / -	20 / - / - / -

Ordering data

Type		Order No.	Pcs./Pkt.
UT 2,5-3L-LA24RD/O-M	①	3214288	50

Accessories[1])

D-UT 2,5-3L	3214314	50

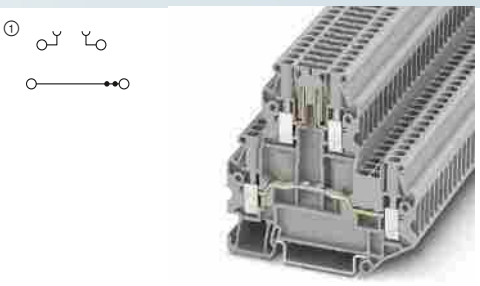
Disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 148.

[2]) Current and voltage are determined by the plug used.

20 A, disconnect terminal block



24 A, double-level terminal block with disconnect zone

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**57.8**	**47.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20[2])	**400[2])**	**0.14 - 4** / **26-12**
Maximum bridge current	[A]	20 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400[2])	300	300 / -
Nominal current / cross section	[A] / [mm²]	20[2]) / 2.5	20 / -	16 / - / - / -
Nominal current / cross section	[A] / [mm²]	-		

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Disconnect terminal block	gray	**UT 2,5-TG**	①	3046388	50
	blue	**UT 2,5-TG BU**	①	3046579	50
With test socket screws	gray	**UT 2,5-TG-P/P**	①	3046391	50
	blue	**UT 2,5-TG-P/P BU**	①	3046582	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UT 2,5/4-TWIN**	3047141	50
Spacer plate	gray			

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**69.9**	**65 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	**400**	**0.14 - 4** / **26-12**
		22 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400	300	300 / -
Nominal current / cross section	[A] / [mm²]	22 / 2.5	16 / -	16 / - / - / -
		16[2]) / 2.5 (disconnect level)		

Ordering data

Type		Order No.	Pcs./Pkt.
UTTB 2,5-TG-P/P	①	3044644	50

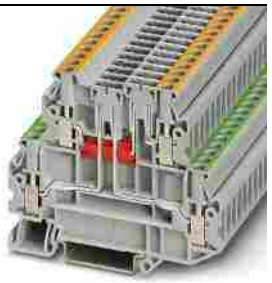
Accessories[1])

D-UTTB 2,5/4	3047293	50
DP-UTTB 2,5/4	3047303	50

Disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 148.



16 A, double-level terminal block with two disconnect zones

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**80.1**	**58.1 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		16	**400**	**0.14 - 4** / **26-12**
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400	300	300 / -
Nominal current / cross section	[A] / [mm²]	16 / 2.5	16 / -	16 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UTT 2,5-2TG-P/P**	①	3044674	50

Accessories[1])

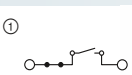
Cover, width: 2.2 mm	gray	**D-UTT 2,5/4**	3044676	50
Spacer plate, compensates for level offsets, width 2.5 mm	gray	**DP-UTT 2,5/4**	3044677	50

2.5 mm² UT screw connection terminal blocks

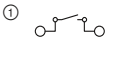
Knife disconnect terminal blocks

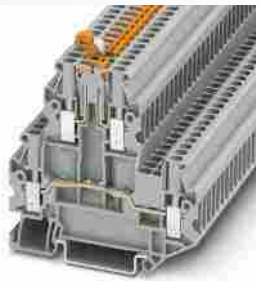
Notes:

[1]) For additional accessories and technical data, see page 148.



20 A, knife disconnect terminal block





24 A, double-level terminal block with disconnect knife

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**57.8**	**49.1 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400**	**0.14 - 4**	**26-12**
Maximum bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	16 / -	- / -
Nominal current / cross section	[A] / [mm²]	-			

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Knife disconnect terminal block	gray	**UT 2,5-MT**	[1]	3046362	50
	blue	**UT 2,5-MT BU**	[1]	3046553	50
With test socket screws	gray	**UT 2,5-MT-P/P**	[1]	3046375	50
	blue	**UT 2,5-MT P/P BU**	[1]	3046566	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UT 2,5/4-TWIN**	3047141	50
Spacer plate	gray			

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**69.9**	**65 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**400**	**0.14 - 4**	**26-12**
Maximum bridge current	[A]	22 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	22 / 2.5	16 / -	16 / -	- / -
Nominal current / cross section	[A] / [mm²]	16 / 2.5 (disconnect level)			

Ordering data

Type		Order No.	Pcs./Pkt.
UTTB 2,5-MT-P/P	[1]	3044640	50
UTTB 2,5-MT-P/P BU	[1]	3044641	50

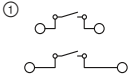
Accessories[1])

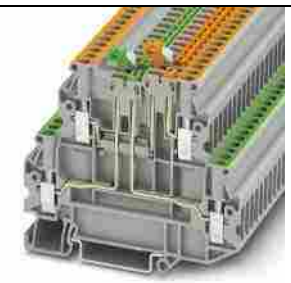
D-UTTB 2,5/4	3047293	50
DP-UTTB 2,5/4	3047303	50

Knife disconnect terminal blocks

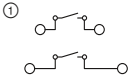
Notes:

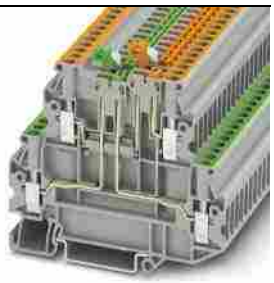
[1]) For additional accessories and technical data, see page 148.





16 A, double-level terminal block with one disconnect knife per level





16 A, double-level terminal block with a disconnect knife per level, test socket screw

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**80.1**	**65 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**400**	**0.14 - 4**	**-**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	16 / 2.5	- / -	- / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Knife disconnect terminal block	gray	**UTT 2,5-2MT**	[1]	3044679	50
	blue	**UTT 2,5-2MT BU**	[1]	3044680	50
With test socket screws	gray				
	blue				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UTT 2,5/4**	3044676	50
Spacer plate, compensates for level offsets, width 2.5 mm	gray	**DP-UTT 2,5/4**	3044677	50

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**80.1**	**65 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**400**	**0.14 - 4**	**26-12**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	16 / 2.5	16 / -	16 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
UTT 2,5-2MT-P/P	[1]	3044670	50
UTT 2,5-2MT-P/P BU	[1]	3044671	50

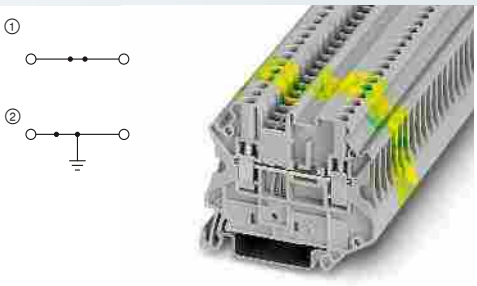
Accessories[1])

D-UTT 2,5/4	3044676	50
DP-UTT 2,5/4	3044677	50

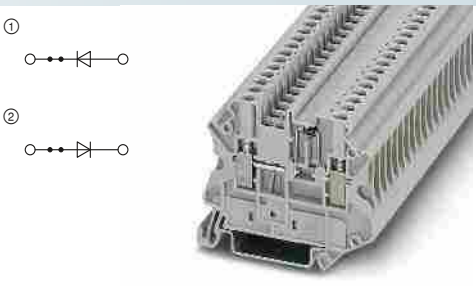
Diode and LED terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 148.



32 A, feed-through and ground terminal block, same shape



0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A)

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	5.2	57.8	47.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	800	0.14 - 4	26-12
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	- / -

Technical data[1])

		Width	Length	Height	
		5.2	57.8	47.5 (NS 35/7,5)	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5	800	0.14 - 4	26-12
		0.5 (FBS) / 0.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		800	600	600	-
		0.5 / 1	0.5 / -	0.5 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 2,5-MTD**	①	3064085	50
	blue	**UT 2,5-MTD BU**	①	3064108	50
With test socket screws	gray	**UT 2,5-MTD P/P**	①	3064098	50
Ground terminal	green-yellow	**UT 2,5-MTD-PE**	②	3064124	50
Terminal block, for conducting direction see circuit diagram	gray				
	gray				

Ordering data

Type		Order No.	Pcs./Pkt.
UT 2,5-MTD-DIO/R-L	①	3064140	50
UT 2,5-MTD-DIO/L-R	②	3064137	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UT 2,5/4-TWIN**	3047141	50

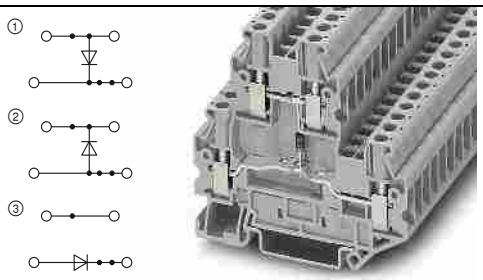
Accessories[1])

D-UT 2,5/4-TWIN	3047141	50

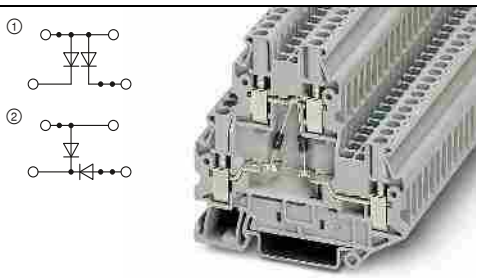
Diode and LED terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 148.



28 A, double-level diode terminal block, 1N 4007 (1300 V/0.5 A)



28 A, double-level terminal block with two 1N 4007 diodes (1300 V/0.5 A)

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	5.2	69.9	65 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28	500	0.14 - 4	26-12
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	1 / -	- / -

Technical data[1])

		Width	Length	Height	
		5.2	69.9	65 (NS 35/7,5)	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28	500	0.14 - 4	26-12
		24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		500	600	300	-
		24 / 2.5	20 / -	1 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**UTTB 2,5-DIO/O-U**	①	3046650	50
	gray	**UTTB 2,5-DIO/U-O**	②	3046663	50
	gray	**UTTB 2,5-DIO/UL-UR**	③	3046728	50
	gray				
	gray				

Ordering data

Type		Order No.	Pcs./Pkt.
UTTB 2,5-2DIO/O-UL/O-UR	①	3046689	50
UTTB 2,5-2DIO/O-UL/UR-UL	②	3046676	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UTTB 2,5/4**	3047293	50
Spacer plate	gray	**DP-UTTB 2,5/4**	3047303	50

Accessories[1])

D-UTTB 2,5/4	3047293	50
DP-UTTB 2,5/4	3047303	50

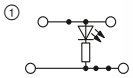
2.5 mm² UT screw connection terminal blocks

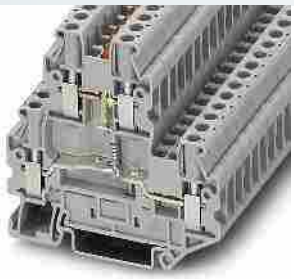
Diode and LED terminal blocks

Notes:

1) For additional accessories and technical data, see page 148.

2) The voltage is determined by the LED display version selected.





28 A, double-level terminal block with LED display

EAC

Technical data1)

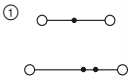
Dimensions				
	[mm]	Width	Length	Height
		5.2	**69.9**	**65 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		28	**24²)**	**0.14 - 4** / **26-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	24²)	600	24 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / - / -

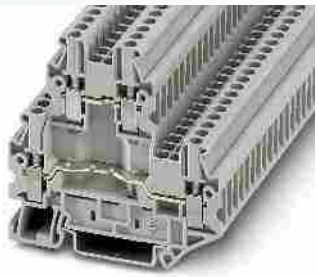
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Terminal block, with LED for 12 - 30 V DC, 0.7 - 2.4 mA	gray	**UTTB 2,5-LA 24 RD** ①	3046692	50
for 30 - 60 V DC, 0.8 - 1.8 mA	gray	**UTTB 2,5-LA 60 RD** ①	3046702	50
for 110 - 250 V AC/DC, 0.1 - 0.5 mA	gray	**UTTB 2,5-LA 230** ①	3046715	50
Terminal block, component can be soldered in	gray			

Accessories1)

Cover, width: 2.2 mm	gray	**D-UTTB 2,5/4**	3047293	50
Spacer plate	gray	**DP-UTTB 2,5/4**	3047303	50





28 A, double-level terminal block for soldering in components

EAC

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		5.2	**69.9**	**65 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		28	**500**	**0.14 - 4** / **26-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / - / - / -

Ordering data

Type	Order No.	Pcs./Pkt.
UTTB 2,5-BE ①	3046744	50

Accessories1)

D-UTTB 2,5/4	3047293	50
DP-UTTB 2,5/4	3047303	50

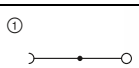
Installation terminal blocks

Notes:

1) For additional accessories and technical data, see page 148.

2) 3-pos. termination block.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found via web code #0060.



24 A, neutral disconnect terminal block

EAC

Technical data1)

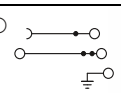
Dimensions					
	[mm]	Width	Length	Height	
		5.2	**55**	**47.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**250**	**0.14 - 4**	**-**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	- / -	- / -	- / -
Rated cross section	[mm²]	2.5			
Cross section range	AWG	26 - 12	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 1.5	-

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Terminal block	blue	**UTN 2,5** ①	3245011	50
	gray			

Accessories1)

Cover, width: 2.2 mm	blue	**D-UTN 2,5/10**	3245079	50



4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor can be disconnected, 1 x PE

EAC

Technical data1)

Dimensions					
	[mm]	Width	Length	Height	
		5.2	**93.5**	**51.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30²)	**400**	**0.2 - 4**	**26-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	- / -	- / -
Rated cross section	[mm²]	4			
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-

Ordering data

Type	Order No.	Pcs./Pkt.
UTI 2,5-PE/L/NT ①	3076028	50

Accessories1)

D-UTI/3	3076036	50

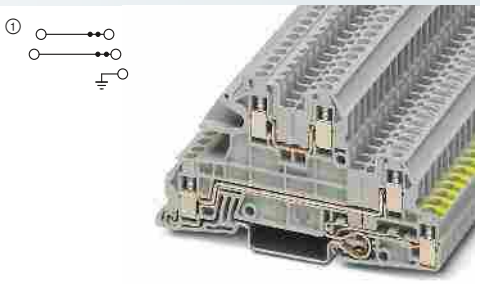
Installation terminal blocks

Notes:

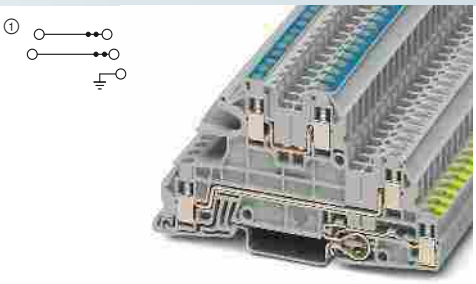
[1]) For additional accessories and technical data, see page 148.

[2]) 3-pos. termination block.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found via web code #0060.



4 (4) mm², 30 A, three-level terminal block, 2 x L phase conductor, 1 x PE



4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor, 1 x PE

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**93.5**	**51.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[2])	**400**	**0.2 - 4**	**26-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	- / -	- / -
Rated cross section	[mm²]	4			
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UTI 2,5-PE/L/L**	①	3076029	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UTI/3**	3076036	50

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**93.5**	**51.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30	**400**	**0.2 - 4**	**26-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	- / -	- / -
Rated cross section	[mm²]	4			
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UTI 2,5-PE/L/N**	①	3076030	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UTI/3**	3076036	50

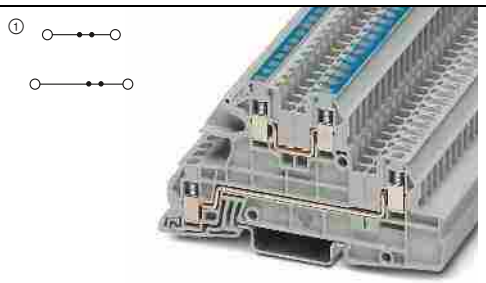
Installation terminal blocks

Notes:

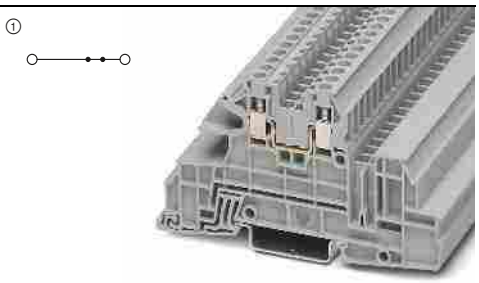
[1]) For additional accessories and technical data, see page 148.

[2]) 3-pos. termination block.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found via web code #0060.



4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor



4 (4) mm², 30 A, three-level terminal block, 1 x L phase conductor

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**93.5**	**51.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[2])	**400**	**0.2 - 4**	**26-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	20 / -	- / -
Rated cross section	[mm²]	4			
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, upper level blue	gray	**UTI 2,5-L/N**	①	3076035	50
	gray	**UTI 2,5-L/L**	①	3076031	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UTI/3**	3076036	50

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**93.5**	**51.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[2])	**400**	**0.2 - 4**	**26-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	20 / -	- / -
Rated cross section	[mm²]	4			
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-

Ordering data

Type		Order No.	Pcs./Pkt.
UTI 2,5-L	①	3076034	50

Accessories[1])

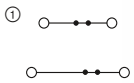
D-UTI/3	3076036	50

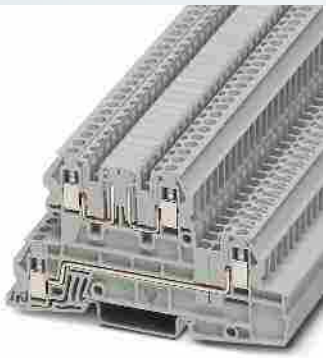
Installation terminal blocks

Notes:

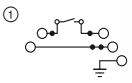
[1]) For additional accessories and technical data, see page 148.

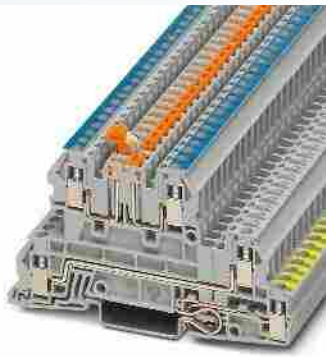
[2]) 3-pos. termination block.





4 (4) mm², 30 A, three-level terminal block, 2 x L phase conductor





4 (4) mm², 24 A, three-level terminal block, 1 x L phase conductor, 1 x N conductor can be disconnected, 1 x PE

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**93.5**	**51.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[2])	**400**	**0.2 - 4**	**26-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 4	20 / -	20 / -	- / -
Rated cross section	[mm²]	4			
Cross section range	AWG	24 - 12	-	-	-
Nominal current / cross section	[A] / [mm²]	16 / 1.5 (disconnect level)			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UTI 2,5-L/LB**	①	3076033	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UTI/3**		3076036	50

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**93.5**	**51.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[2])	**400**	**0.2 - 4**	**26-12**
24 (FBS) / 17.5 (FBSR)					
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	21 / 4	20 / -	- / -	- / -
Rated cross section	[mm²]	4			
Cross section range	AWG	24 - 12	-	-	-
Nominal current / cross section	[A] / [mm²]	16 / 4 (disconnect level)			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 0.75	-

Ordering data

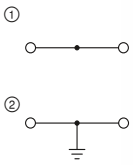
Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UTI 2,5-PE/L/NTB**	①	3076032	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UTI/3**		3076036	50

Mini feed-through and ground terminal blocks

Notes:
[1]) For additional accessories and technical data, see page 148.
For information on installation and using accessories for Ex applications, see page 678.



32 A, feed-through and ground terminal block

Ex: EAC Ex
SEV13ATEX0178U / IECEx SEV13.0012U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**29.9**	**34 (NS 15)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**500**	**0.2 - 4**	**24-12**
Maximum bridge current	[A]	21 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	600	352
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	20.5 / 4
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**MUT 2,5**	①	3248030	50
	blue	**MUT 2,5 BU**	①	3248031	50
Ground terminal	green-yellow	**MUT 2,5-PE**	②	3248032	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-MUT 2,5/4**	3248033	50

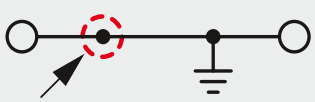
4 mm² UT screw connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm²]	4			
Cross section range	AWG	26 - 10			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
2 conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



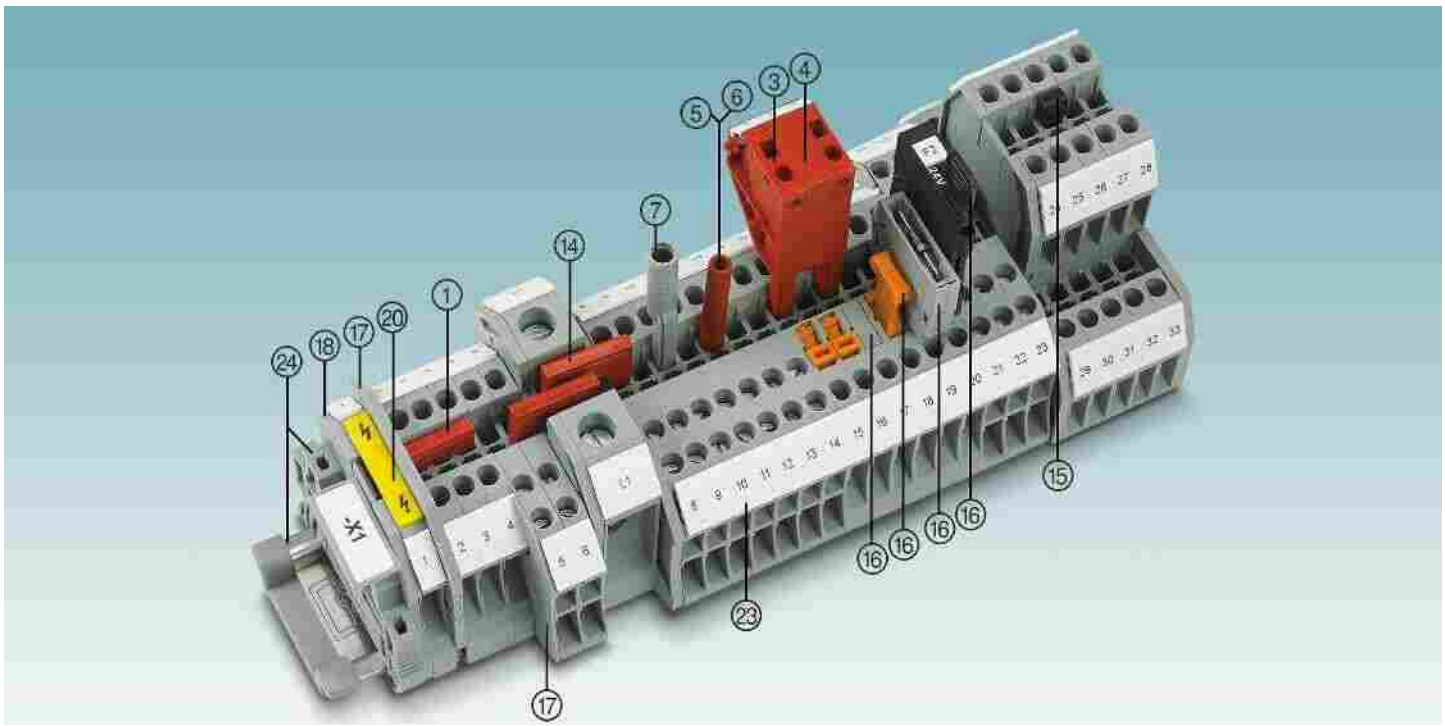
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-6**	3030336	50	**FBSR 2-6**	3033715	50
	3	red	**FBS 3-6**	3030242	50	**FBSR 3-6**	3001594	50
	4	red	**FBS 4-6**	3030255	50	**FBSR 4-6**	3001595	50
	5	red	**FBS 5-6**	3030349	50	**FBSR 5-6**	3001596	50
	10	red	**FBS 10-6**	3030271	10	**FBSR 10-6**	3033716	10
	20	red	**FBS 20-6**	3030365	10			
③ **Modular test plug**		red	**PS-6**	3030996	10			
Spacer plate		red	**DP PS-6**	3036738	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	1212587	10			

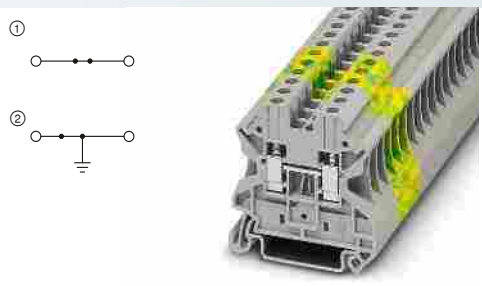
Reducing bridge	**For RB ..., see page 408.**
Vertical potential bridge	**For FBS-PV ..., see page 404.**
Fuse and function plugs for disconnect terminal blocks	**For P-FU ... / P-DI / P-FIX / P-CO ..., see from page 414.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Lateral groove labeling	**UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 158.

For information on installation and using accessories for Ex applications, see page 678.



41 A, feed-through and ground terminal block

Ex: EAC Ex
KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data[1])

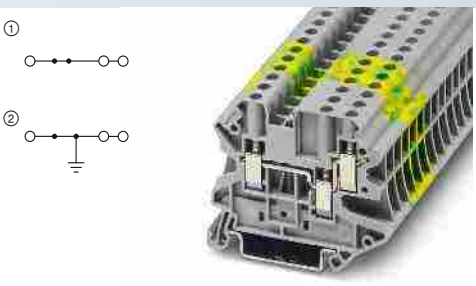
Dimensions		Width	Length	Height	
	[mm]	**6.2**	**47.7**	**47.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41	**1000**	**0.14 - 6**	**26-10**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	690
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / -	30 / 4

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 4**	①	3044102	50
	blue	**UT 4 BU**	①	3044115	50
Ground terminal	green-yellow	**UT 4-PE**	②	3044128	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UT 2,5/10**	3047028	50



41 A, feed-through and ground terminal block, 3 connections

Ex: EAC Ex
KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data[1])

		Width	Length	Height	
		6.2	**57.8**	**47.5 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41	**500**	**0.14 - 6**	**26-10**
		32 (FBS) / 24 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		500	150	150	352
		32 / 4	30 / -	30 / -	29 / 4

Ordering data

Type		Order No.	Pcs./Pkt.
UT 4-TWIN	①	3044364	50
UT 4-TWIN BU	①	3044500	50
UT 4-TWIN-PE	②	3044380	50

Accessories[1])

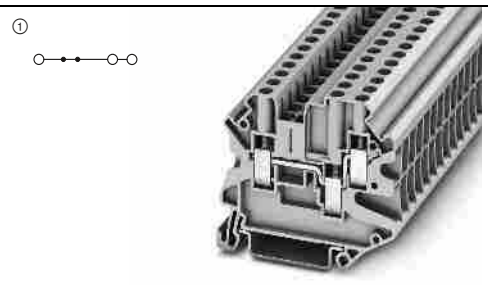
D-UT 2,5/4-TWIN	3047141	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 158.

For information on installation and using accessories for Ex applications, see page 678.



39 A, 1000 V, feed-through terminal block, 3 connections

Ex: EAC Ex
SEV13ATEX0133U / IECEx SEV13.0004U

Technical data[1])

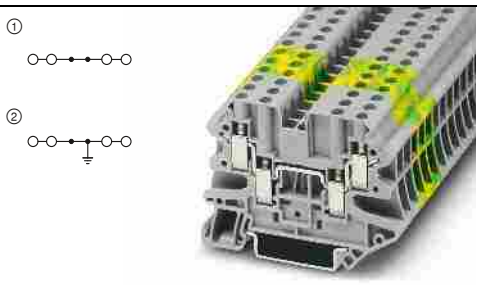
Dimensions		Width	Length	Height	
	[mm]	**6.2**	**57.8**	**50 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		39	**1000**	**0.14 - 6**	**26-10**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	550
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / -	27 / 4

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 4-TWIN HV**	①	3000608	50
	blue				
Ground terminal	green-yellow				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UT 4-TWIN HV**	3000710	50



39 A, feed-through and ground terminal block, 4 connections

Ex: EAC Ex
KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data[1])

		Width	Length	Height	
		6.2	**65.4**	**47.5 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		39	**500**	**0.14 - 6**	**26-10**
		32 (FBS) / 24 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		500	150	150	352
		32 / 4	30 / -	30 / -	29 / 4

Ordering data

Type		Order No.	Pcs./Pkt.
UT 4-QUATTRO	①	3044571	50
UT 4-QUATTRO BU	①	3044584	50
UT 4-QUATTRO-PE	②	3044597	50

Accessories[1])

D-UT 2,5/4-QUATTRO	3047170	50

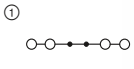
4 mm² UT screw connection terminal blocks

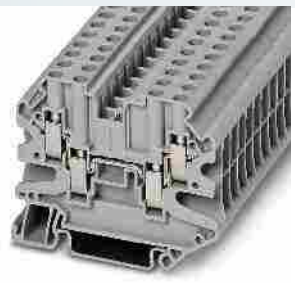
Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 158.

For information on installation and using accessories for Ex applications, see page 678.





37 A, 1000 V, feed-through terminal block, 4 connections

EAC

Ex: EAC Ex

SEV13ATEX0133U / IECEx SEV13.0004U

Technical data[1])

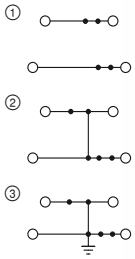
Dimensions				
	[mm]	Width	Length	Height
		6.2	65.4	50 (NS 35/7,5)
Maximum electrical data				
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		37	1000	0.14 - 6 / -
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	-	- / 550
Nominal current / cross section	[A] / [mm²]	32 / 4	- / -	- / - / 27 / 4

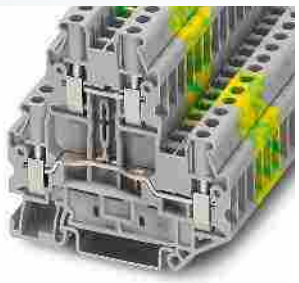
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 4-QUATTRO HV**	①	3048823	50
	blue	**UT 4-QUATTRO HV BU**	①	3048836	50
With potential distribution	gray				
Ground terminal	green-yellow				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UT 4-QUATTRO HV**	3048852	50
Spacer plate	gray			





36 A, double-level terminal block and ground terminal

EAC

Ex: EAC Ex

KEMA 06ATEX0017 U / IECEx KEM 06.0013U

Technical data[1])

		Width	Length	Height
		6.2	69.9	65 (NS 35/7,5)
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		36	800	0.14 - 6 / 26-10
		30 (FBS) / 24 (FBSR)		
		IEC	UL / CUL	CSA / Ex
		800	600	600 / 440
		30 / 4	30 / -	30 / - / 25.5 / 4

Ordering data

Type		Order No.	Pcs./Pkt.
UTTB 4	①	3044814	50
UTTB 4 BU	①	3044791	50
UTTB 4-PV	②	3044733	50
UTTB 4-PE	③	3044759	50

Accessories[1])

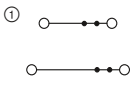
D-UTTB 2,5/4		3047293	50
DP-UTTB 2,5/4		3047303	50

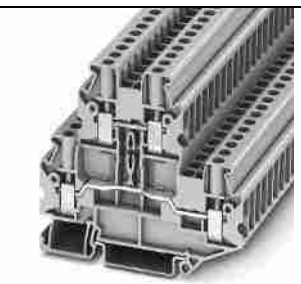
Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 158.

For information on installation and using accessories for Ex applications, see page 678.





36 A, 1000 V, double-level terminal block, 2 connections top level

EAC

Technical data[1])

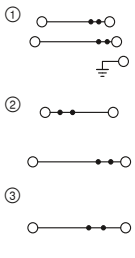
Dimensions				
	[mm]	Width	Length	Height
		6.2	75.6	65 (NS 35/7,5)
Maximum electrical data				
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		36	1000	0.14 - 6 / 26-10
Maximum bridge current	[A]	26 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / -
Nominal current / cross section	[A] / [mm²]	30 / 4	30 / -	30 / - / - / -

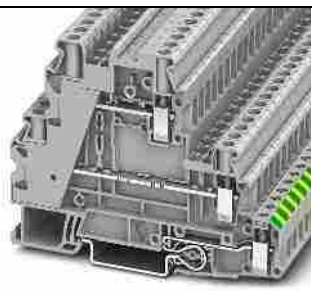
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UTTB 4 HV**	①	3000610	50
	gray				
	gray				
	gray				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UTTB 4 HV**	3000709	50





36 A, multi-level terminal block with PE foot

EAC

Ex:

KIWA 14ATEX0025U / IECEx KIWA14.0014U

Technical data[1])

		Width	Length	Height
		6.2	92.7	61.7 (NS 35/7,5)
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		36	500	0.14 - 6 / 26-10
		28 (FBS) / 24 (FBSR)		
		IEC	UL / CUL	CSA / Ex
		500	300	300 / 500
		30 / 4	16 / -	16 / - / 26 / 4

Ordering data

Type		Order No.	Pcs./Pkt.
UT 4-PE/L/L	①	3214360	50
UT 4-PE/L/N	①	3214361	50
UT 4-L/L	②	3214362	50
UT 4-L	③	3214363	50

Accessories[1])

Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape

Notes:

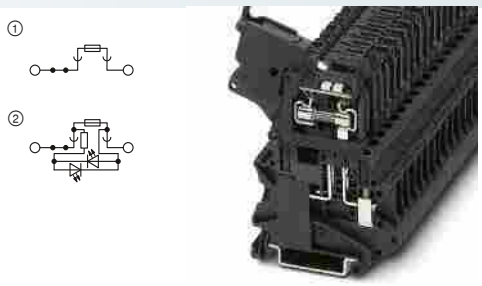
1) For additional accessories and technical data, see page 158.

2) If the fuse is faulty, the downstream circuit is not off load.

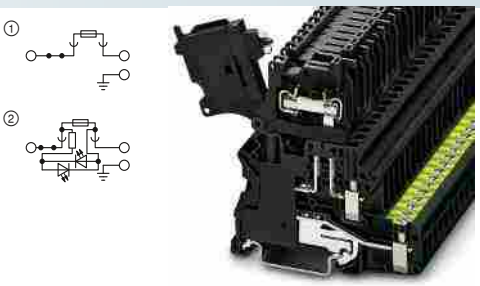
3) For max. power dissipation, see page 694.

4) The current is determined by the fuse used, the voltage by the LED display.

For lever marking, please use marking material with a 5.2 mm pitch.



6.3 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses



6.3 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses, with PE foot

Technical data[1]

Dimensions				
	[mm]	Width	Length	Height
		6.2	57.8	73 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		6.3[3]	500[4]	0.14 - 6 / 26-10
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[4]	600	600 / -
Nominal current / cross section	[A] / [mm²]	6.3 / 1	6.3 / -	6.3 / - / -

Technical data[1]

Dimensions				
	[mm]	Width	Length	Height
		6.2	70.8	73 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		6.3[3]	500[4]	0.14 - 6 / 26-10
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[4]	600	600 / -
Nominal current / cross section	[A] / [mm²]	6.3 / 1	10 / -	10 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	black	**UT 4-HESI (5X20)**	①	3046032	50
with LED display for 12 ... 30 V AC/DC[2]	black	**UT 4-HESILED 24 (5X20)**	②	3046090	50
for 12 ... 60 V AC/DC [2]	black	**UT 4-HESILED 24 (5X20) 120KOHM**	②	3248005	50
for 30 ... 60 V AC/DC[2]	black	**UT 4-HESILED 60 (5X20)**	②	3046126	50
for 110 ... 250 V AC/DC[2]	black	**UT 4-HESILA 250 (5X20)**	②	3046100	50

Ordering data

Type		Order No.	Pcs./Pkt.
UT 4-PE/HESI (5X20)	①	3073995	50
UT 4-PE/HESI LED 24 (5X20)	②	3070053	50
UT 4-PE/HESILED 60 (5X20)	②	3070066	50
UT 4-PE/HESI LA 250 (5X20)	②	3070079	50

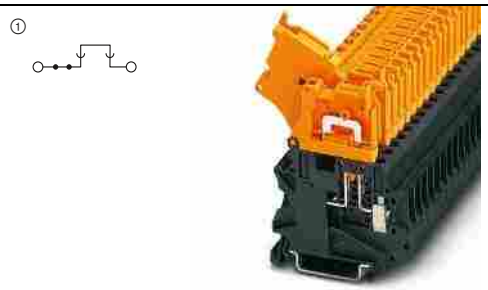
Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape

– The lever-type disconnect terminal blocks are the same shape as the respective lever-type fuse terminal blocks

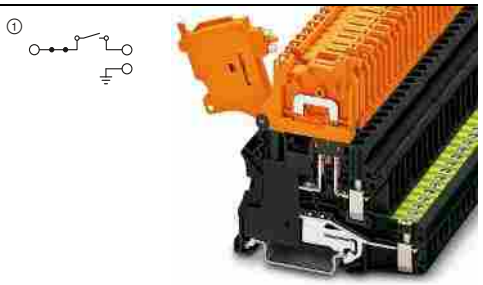
Notes:

1) For additional accessories and technical data, see page 158.

For lever marking, please use marking material with a 5.2 mm pitch.



20 A, lever-type disconnect terminal block, same shape



20 A, lever-type disconnect terminal block, same shape, with PE foot

Technical data[1]

Dimensions				
	[mm]	Width	Length	Height
		6.2	57.8	73 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20	500	0.14 - 6 / 26-10
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	16 / -	16 / - / -

Technical data[1]

Dimensions				
	[mm]	Width	Length	Height
		6.2	70.8	73 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20	500	0.14 - 6 / 26-10
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	16 / -	16 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	black/orange	**UT 4-HEDI**	①	3046249	50
With test socket screws	black/orange	**UT 4-HEDI-P/P**	①	3046252	50

Ordering data

Type		Order No.	Pcs./Pkt.
UT 4-PE/HEDI	①	3074004	50

Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape

Notes:

[1]) For additional accessories and technical data, see page 158.

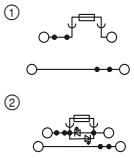
[2]) If the fuse is faulty, the downstream circuit is not off load.

3) For max. power dissipation, see page 694

[4]) The current is determined by the fuse used.

For lever marking, please use marking material with a 5.2 mm pitch.

For information on installation and using accessories for Ex applications, see page 678.



36 A, multi-level terminal block, safety lever

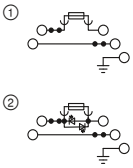
Ex:
KIWA 14ATEX0025U / IECEx KIWA14.0014U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	92.7	88.9 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		36[3])	500[3])	0.14 - 6 / 26-10
Maximum bridge current	[A]	28 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[3])	300	300 / 250
Nominal current / cross section	[A] / [mm²]	28 / 4	16 / -	16 / - / 6.3 / 4
Nominal current / cross section	[A] / [mm²]	6.3[4]) / 1 (disconnect level)		

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Fuse terminal block	black	**UT 4-L/HESI (5X20)**	①	3214325	50
	black				
with LED display for 12 ... 30 V DC[2])	black	**UT 4-L/HESILED 24 (5X20)**	②	3214366	50
for 30 ... 60 V AC/DC[2])	black	**UT 4-L/HESILED 60 (5X20)**	②	3214367	50
for 110 ... 250 V AC/DC[2])	black	**UT 4-L/HESILA 250 (5X20)**	②	3214368	50



36 A, multi-level terminal block, safety lever with LED display, PE foot

Ex:
KIWA 14ATEX0025U / IECEx KIWA14.0014U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	92.7	88.9 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		36[3])	500[3])	0.14 - 6 / 26-10
Maximum bridge current	[A]	28 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[3])	300	300 / 250
Nominal current / cross section	[A] / [mm²]	28 / 4	16 / -	16 / - / 6.3 / 4
Nominal current / cross section	[A] / [mm²]	6.3[4]) / 1 (disconnect level)		

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
		UT 4-PE/L/HESI (5X20)	①	3214320	50
		UT 4-PE/L/HESILED 24 (5X20)	②	3214321	50
		UT 4-PE/L/HESILED 60 (5X20)	②	3214322	50
		UT 4-PE/L/HESILED 250 (5X20)	②	3214323	50

Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape

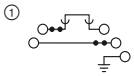
Notes:

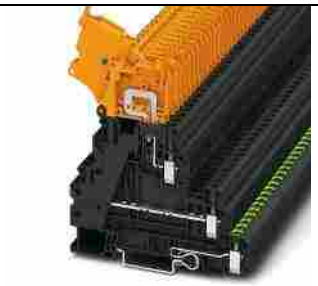
[1]) For additional accessories and technical data, see page 158.

[2]) Current and voltage are determined by the plug used.

For lever marking, please use marking material with a 5.2 mm pitch.

For information on installation and using accessories for Ex applications, see page 678.





36 A, multi-level lever-type disconnect terminal block, PE foot, same shape

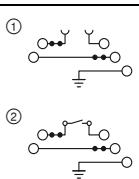
Ex:
KIWA 14ATEX0025U / IECEx KIWA14.0014U

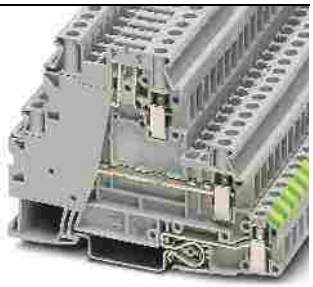
Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	92.7	88.9 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		36	500	0.14 - 6 / 26-10
Maximum bridge current	[A]	28 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	300 / 500
Nominal current / cross section	[A] / [mm²]	28 / 4	16 / -	16 / 4
Nominal current / cross section	[A] / [mm²]	20 / 1 (disconnect level)		

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	black	**UT 4-PE/L/HEDI**	①	3214324	50
	gray				
	gray				





36 A, multi-level terminal block with disconnect zone, PE foot

Ex:
KIWA 14ATEX0025U / IECEx KIWA14.0014U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	92.7	61.7 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		36	500	0.14 - 6 / 26-10
Maximum bridge current	[A]	28 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	- / 250
Nominal current / cross section	[A] / [mm²]	28 / 4	16 / -	- / - / 6.3 / 4
Nominal current / cross section	[A] / [mm²]	20[2]) / 2.5 (disconnect level)		

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
		UT 4-PE/L/TG	①	3214365	50
		UT 4-PE/L/MT	②	3214364	50

Disconnect terminal blocks

Notes:
[1]) For additional accessories and technical data, see page 158.
[2]) If the fuse is faulty, the downstream circuit is not off load.
[3]) Current and voltage are determined by the plug used.
Detailed information and data sheets regarding modular terminal blocks in the Ex area are available in the product area on our website at www.phoenixcontact.net/products and in IECEx Certificate of Conformity IECEx UL 13.0007U and in UL file E192998.
Only the fuse plugs listed may be used.
For information on installation and using accessories for Ex applications, see page 678.

①

20 A, disconnect terminal block

①

20 A, disconnect terminal block, for Ex nA

EAC

EAC
Ex:
IECEx UL 13.0007U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**57.8**	**47.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20[3])	**500[3])**	**0.14 - 6** / **26-10**
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[3])	600	600 / -
Nominal current / cross section	[A] / [mm²]	20[3]) / 2.5	16 / -	16 / - / - / -

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**57.8**	**47.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20[3])	**500[3])**	**0.14 - 6** / **-**
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[3])	-	- / 250
Nominal current / cross section	[A] / [mm²]	20[3]) / 2.5	- / -	- / - / 6.3 / 4

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 4-TG**	①	3046142	50
	blue	**UT 4-TG BU**	①	3073283	50
With test socket screws	gray	**UT 4-TG-P/P**	①	3046168	50
	blue	**UT 4-TG-P/P BU**	①	3073296	50

Ordering data

Type		Order No.	Pcs./Pkt.
UT 4-TG-EX	①	3046143	50
UT 4-TG-P/P-EX	①	3046169	50

Accessories[1])

Fuse connector, width: 6.2 mm²)	black		
with LED display for 12 ... 30 V DC	black		
for 30 ... 60 V AC/DC	black		
for 110 ... 250 V AC/DC	black		

Accessories[1])

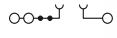
P-FU 5X20-EX	3036807	10
P-FU 5X20 LED 24-EX	3036821	10
P-FU 5X20 LED 60-EX	3036823	10
P-FU 5X20 LA 250-EX	3036836	10

Disconnect terminal blocks

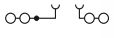
Notes:

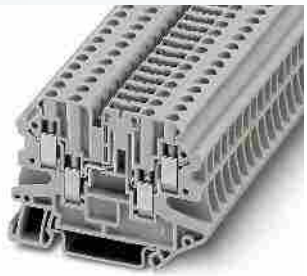
[1]) For additional accessories and technical data, see page 158.

[2]) Current and voltage are determined by the plug used.

① 

20 A, disconnect terminal block, 3 connections

① 



20 A, disconnect terminal block, 4 connections

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	6.2	65.4	47.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	500[2])	0.14 - 6	26-10
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500[2])	300	300	-
Nominal current / cross section	[A] / [mm²]	20[2]) / 2.5	20 / -	16 / -	- / -

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	6.2	65.4	47.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	500[2])	0.14 - 6	26-10
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500[2])	300	300	-
Nominal current / cross section	[A] / [mm²]	20[2]) / 2.5	16 / -	16 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 4-TWIN-TG**	①	3046595	50
	blue	**UT 4-TWIN-TG BU**	①	3073034	50
With test socket screws	gray	**UT 4-TWIN-TG P/P**	①	3046605	50
	blue	**UT 4-TWIN-TG P/P BU**	①	3073047	50

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 4-QUATTRO-TG**	①	3064027	50
	blue	**UT 4-QUATTRO-TG BU**	①	3073076	50
With test socket screws	gray	**UT 4-QUATTRO-TG P/P**	①	3064030	50
	blue	**UT 4-QUATTRO-TG P/P BU**	①	3073089	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UT 2,5/4-QUATTRO**	3047170	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UT 2,5/4-QUATTRO**	3047170	50

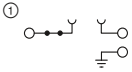
Disconnect terminal blocks

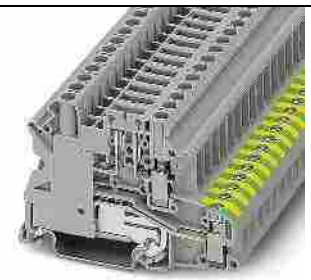
Notes:

[1]) For additional accessories and technical data, see page 158.

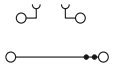
[2]) Current and voltage are determined by the plug used.

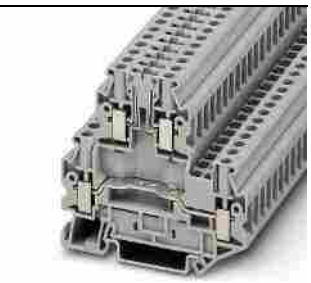
[3]) Lower level

① 



20 A, disconnect terminal block with PE foot

① 



38 A, double-level terminal block with disconnect zone

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	6.2	70.8	47.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	500	0.14 - 6	-
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	-	600	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	- / -	16 / -	- / -
Nominal current / cross section	[A] / [mm²]	-			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
2 conductors (of the same type)	[mm²]	-	-	-	-

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	6.2	69.9	65 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		38[3])	500[2])	0.14 - 6	26-10
Maximum bridge current	[A]	30 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500[2])	600	600	-
Nominal current / cross section	[A] / [mm²]	30 / 4	16 / -	5 / -	- / -
Nominal current / cross section	[A] / [mm²]	20[2]) / 2.5 (disconnect level)			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
2 conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 4-PE/TG**	①	3070024	50
With test socket screws	gray	**UT 4-PE/TG P/P**	①	3070037	50
Disconnect terminal block	gray				

Ordering data

Type		Order No.	Pcs./Pkt.
UTTB 4-TG	①	3044720	50

Accessories[1])

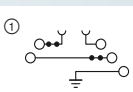
Cover, width: 2.2 mm	gray			
Spacer plate	gray			

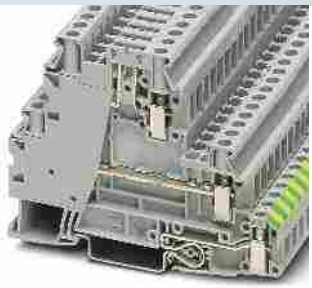
Accessories[1])

D-UTTB 2,5/4	3047293	50
DP-UTTB 2,5/4	3047303	50

Disconnect terminal blocks

Notes:
1) For additional accessories and technical data, see page 158.
2) Current and voltage are determined by the plug used.
For information on installation and using accessories for Ex applications, see page 678.





36 A, multi-level terminal block with disconnect zone, PE foot

Ex:
KIWA 14ATEX0025U / IECEx KIWA14.0014U

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		6.2	**92.7**	**61.7 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		36	**500**	**0.14 - 6** / **26-10**
Maximum bridge current	[A]	28 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	- / 250
Nominal current / cross section	[A] / [mm²]	28 / 4	16 / -	- / - / 6.3 / 4
Nominal current / cross section	[A] / [mm²]	20²) / 2.5 (disconnect level)		

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Terminal block	gray	**UT 4-PE/L/TG** ①	3214365	50

Knife disconnect terminal blocks

Notes:
1) For additional accessories and technical data, see page 158.
For additional technical data, drawings, and accessories, please visit phoenixcontact.net/products.
For information on installation and using accessories for Ex applications, see page 678.

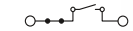
20 A, knife disconnect terminal block

Technical data1)

Dimensions					
	[mm]	Width	Length	Height	
		6.2	**57.8**	**49.1 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**500**	**0.14 - 6**	**26-10**
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	16 / -	16 / -	- / -

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Terminal block	gray	**UT 4-MT** ①	3046139	50
	blue	**UT 4-MT BU** ①	3046278	50
With test socket screws	gray	**UT 4-MT-P/P** ①	3046171	50
	blue	**UT 4-MT-P/P BU** ①	3046265	50



20 A, knife disconnect terminal block for Ex nA

Ex:
IECEx UL 13.0007U

Technical data1)

Width	Length	Height		
6.2	**57.8**	**49.1 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
20	**500**	**0.14 - 6**	**-**	
20 (FBS) / 20 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	-	-	500	
20 / 2.5	- / -	- / -	16 / 4	

Ordering data

Type	Order No.	Pcs./Pkt.
UT 4-MT-EX ①	3046141	50
UT 4-MT-P/P-EX ①	3046173	50

Knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 158.

①

20 A, knife disconnect terminal block, with actuation lever

EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**57.8**	**49.1 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20	**500**	**0.14 - 6 / 26-10**
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	16 / -	16 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 4-MTL**	①	3046144	50
red actuation lever	gray	**UT 4-MTL KNIFE-RD**	①	3046152	50
white actuation lever	gray	**UT 4-MTL KNIFE-WH**	①	3046148	50

①

20 A, knife disconnect terminal block, with actuation lever, test socket screws

EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**57.8**	**49.1 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20	**500**	**0.14 - 6 / 26-10**
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	600 / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	16 / -	16 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 4-MTL-P/P**	①	3046146	50
red actuation lever	gray	**UT 4-MTL-P/P KNIFE-RD**	①	3046154	50
white actuation lever	gray	**UT 4-MTL-P/P KNIFE-WH**	①	3046150	50

Knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 158.

①

20 A, knife disconnect terminal block, 3 connections

EAC

Technical data[1])

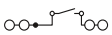
Dimensions				
	[mm]	Width	Length	Height
		6.2	**65.4**	**49.1 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20	**500**	**0.14 - 6 / 26-10**
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	300 / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	16 / - / - / -

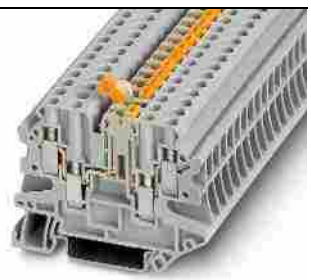
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 4-TWIN-MT**	①	3046003	50
	blue	**UT 4-TWIN-MT BU**	①	3073018	50
With test socket screws	gray	**UT 4-TWIN-MT P/P**	①	3064014	50
	blue	**UT 4-TWIN-MT P/P BU**	①	3073021	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UT 2,5/4-QUATTRO**		3047170	50

① 



20 A, knife disconnect terminal block, 4 connections

EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**65.4**	**49.1 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20	**500**	**0.14 - 6 / 26-10**
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	300 / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	16 / -	16 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 4-QUATTRO-MT**	①	3064043	50
	blue	**UT 4-QUATTRO-MT BU**	①	3073050	50
With test socket screws	gray	**UT 4-QUATTRO-MT P/P**	①	3064056	50
	blue	**UT 4-QUATTRO-MT P/P BU**	①	3073063	50

Accessories[1])

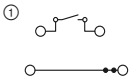
Cover, width: 2.2 mm	gray	**D-UT 2,5/4-QUATTRO**		3047170	50

Knife disconnect terminal blocks

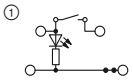
Notes:

[1]) For additional accessories and technical data, see page 158.

[2]) Lower level



38 A, double-level terminal block with knife disconnect zone



38 A, double-level terminal block with knife disconnect zone, with LED display

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**69.9**	**65 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		38[2])	**500**	**0.14 - 6**	**26-10**
Maximum bridge current	[A]	36 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	30 / 4	16 / -	5 / -	- / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5 (disconnect level)			

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**69.9**	**65 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		38[2])	**24**	**0.14 - 6**	**26-10**
Maximum bridge current	[A]	30 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	24	600	24	-
Nominal current / cross section	[A] / [mm²]	30 / 4	16 / -	30 / -	- / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5 (disconnect level)			

Ordering data

Description	Color
Knife disconnect terminal block	gray
With test socket screws	gray
For 12 - 30 V DC, 0.7 - 2.4 mA	gray

Type		Order No.	Pcs./Pkt.
UTTB 4-MT	①	3044775	50
UTTB 4-MT P/P	①	3044762	50

Ordering data

Type		Order No.	Pcs./Pkt.
UTTB 4-MT P/P LA 24 RD/O-U	①	3046773	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UTTB 2,5/4**	3047293	50

Accessories[1])

D-UTTB 2,5/4	3047293	50

Knife disconnect terminal blocks

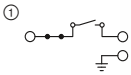
Notes:

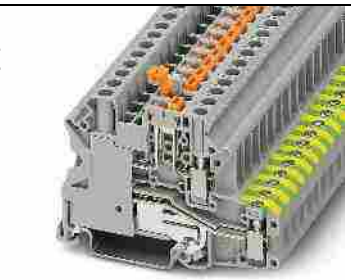
[1]) For additional accessories and technical data, see page 158.

[2]) Lower level

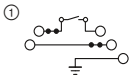
For additional technical data, drawings, and accessories, please visit phoenixcontact.net/products.

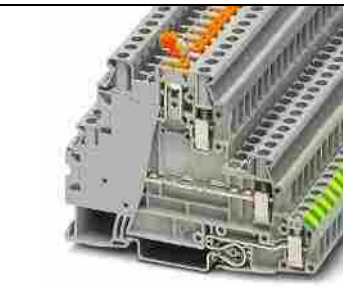
For information on installation and using accessories for Ex applications, see page 678.





20 A, knife disconnect terminal block with PE foot





36 A, multi-level terminal block with knife disconnect zone, PE foot

Ex:
KIWA 14ATEX0025U / IECEx KIWA14.0014U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**70.8**	**49.1 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**500**	**0.14 - 6**	**26-10**
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	-	600	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	- / -	16 / -	- / -
Nominal current / cross section	[A] / [mm²]	-			

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**92.7**	**61.7 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		36[2])	**500**	**0.14 - 6**	**26-10**
Maximum bridge current	[A]	28 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	-	500
Nominal current / cross section	[A] / [mm²]	28 / 4	16 / -	- / -	16 / 4
Nominal current / cross section	[A] / [mm²]	20 / 2.5 (disconnect level)			

Ordering data

Description	Color
Knife disconnect terminal block	gray
With test socket screws	gray

Type		Order No.	Pcs./Pkt.
UT 4-PE/MT	①	3070011	50
UT 4-PE/MT P/P	①	3046140	50

Ordering data

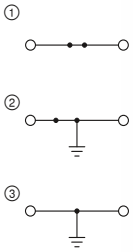
Type		Order No.	Pcs./Pkt.
UT 4-PE/L/MT	①	3214364	50

Diode terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 158.

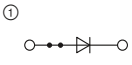
For information on installation and using accessories for Ex applications, see page 678.



41 A, feed-through and ground terminal block, same shape

EAC

Ex: EAC Ex
KEMA 04ATEX2048 U / IECEx KEM 06.0027U



0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A)

EAC

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**57.8**	**47.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41	**800**	**0.14 - 6**	**26-10**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	690
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / -	29 / 4

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 4-MTD**	①	3046184	50
	blue	**UT 4-MTD BU**	①	3046197	50
Ground terminal, with snap-on foot	green-yellow	**UT 4-MTD-PE**	②	3046223	50
With screw foot	green-yellow	**UT 4-MTD-PE/S**	③	3046207	50
Terminal block, for conducting direction see circuit diagram	gray				
	gray				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UT 2,5/4-TWIN**	3047141	50

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**57.8**	**47.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5	**800**	**0.14 - 6**	**26-10**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	0.5 / 1	0.5 / -	1 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
UT 4-MTD-DIO/L-R	①	3046210	50
UT 4-MTD-DIO/R-L	②	3046236	50

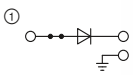
Accessories[1])

D-UT 2,5/4-TWIN	3047141	50

Diode terminal blocks

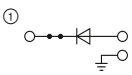
Notes:

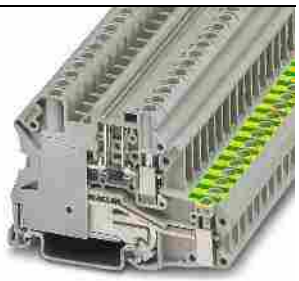
[1]) For additional accessories and technical data, see page 158.



0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A), conducting direction: from left to right

EAC





0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A), conducting direction: from right to left

EAC

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**70.8**	**47.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5	**500**	**0.14 - 6**	**26-10**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	0.5 / 1	0.5 / -	0.5 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**UT 4-PE/L-DIO/L-R P/P**	①	3046834	50

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**70.8**	**47.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5	**500**	**0.14 - 6**	**26-10**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	0.5 / 1	0.5 / -	0.5 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
UT 4-PE/L-DIO/R-L P/P	①	3046235	50

Test disconnect terminal blocks

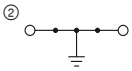
Notes:

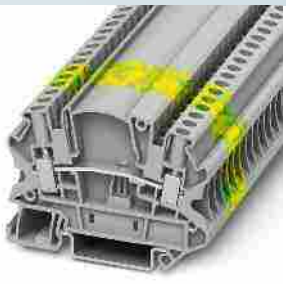
[1]) For additional accessories and technical data, see page 158.

①

28 A, test disconnect terminal block

①

② 



32 A, feed-through and ground terminal block, same shape

EAC

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	6.2	66	49.5 (NS 35/7,5)	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	28	500	0.14 - 6	26-10
Maximum bridge current [A]	28 (FBS) / 28 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	28 / 4	25 / -	25 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Test disconnect terminal block	gray	**UTME 4**	①	3047452	50
With test socket screws	gray	**UTME 4-P/P**	①	3047453	50
	blue	**UTME 4-P/P BU**	①	3047454	50
Ground terminal	green-yellow				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UTME 4**	3047491	10

EAC

Technical data[1])

	Width	Length	Height	
	6.2	66	49.5 (NS 35/7,5)	
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	32	500	0.14 - 6	26-10
	32 (FBS) / 24 (FBSR)			
	IEC	UL / CUL	CSA	Ex
	500	600	600	-
	32 / 4	25 / -	25 / -	- / -

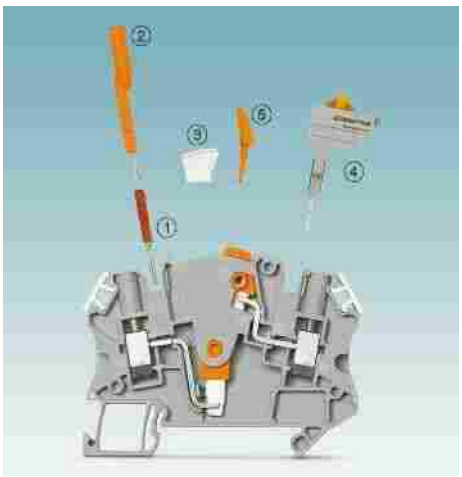
Ordering data

Type		Order No.	Pcs./Pkt.
UTMED 4	①	3047465	50
UTMED 4-PE	②	3047478	50

Accessories[1])

D-UTME 4	3047491	10

Supplementary accessories for UTME 4 test disconnect terminal blocks



– Only two UTME 4 test disconnect terminal blocks are required for a current transformer measuring circuit
– Less space required compared to creating circuits with slide-type terminal blocks

① FBS... plug-in bridge for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 4 switching lock
SB-ME... bridge bar
C−ME 4/2 operating lever

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange	**PAI-4-FIX-5/6 OG**	3035974	10
	1	yellow	**PAI-4-FIX-5/6 YE**	3035977	10
	1	green	**PAI-4-FIX-5/6 GN**	3035978	10
	1	violet	**PAI-4-FIX-5/6 VT**	3035979	10
	1	black	**PAI-4-FIX-5/6 BK**	3035980	10
	1	blue	**PAI-4-FIX-5/6 BU**	3035975	10
	1	red	**PAI-4-FIX-5/6 RD**	3035976	10
	1	gray	**PAI-4-FIX-5/6 GY**	3035982	10
	1	brown	**PAI-4-FIX-5/6 BN**	3035981	10
Switching lock, plug-in		white	**S-ME 4**	3035758	10
Switching bridge, plug-in	2	gray/orange	**SB-ME 2-6**	3035755	10
	3	gray/orange	**SB-ME 3-6**	3035756	10
	4	gray/orange	**SB-ME 4-6**	3035757	10
			C-ME 4/1	1062645	10
	2	orange	**C-ME 4/2**	3035759	10
	3	orange	**C-ME 4/3**	3035760	10

Installation terminal blocks

32 A, neutral disconnect terminal block

Notes:

[1]) For additional accessories and technical data, see page 158.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products

EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**55**	**47.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	**250**	**0.14 - 6** / **-**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	250	-	- / -
Nominal current / cross section	[A] / [mm²]	32 / 4	- / -	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 6	0.14 - 6	0.25 - 4 / 0.25 - 4

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Neutral disconnect terminal block	blue	**UTN 4**	①	3245024	50

Accessories[1])

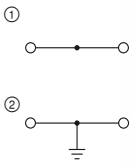
Cover, width: 2.2 mm	blue	**D-UTN 2,5/10**		3245079	50
Support bracket	blue	**AB-UTN 2,5/10**		3245082	50

Mini feed-through and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 158.

For information on installation and using accessories for Ex applications, see page 678.



41 A, feed-through and ground terminal block

Ex: EAC Ex
SEV13ATEX0178U / IECEx SEV13.0012U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**29.9**	**34 (NS 15)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41	**500**	**0.2 - 6**	**24-10**
Maximum bridge current	[A]	28 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	600	352
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / -	27.5 / 6
Cross section range	AWG	24 - 10	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 6	0.25 - 4	0.25 - 4
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**MUT 4**	①	3248035	50
	blue	**MUT 4 BU**	①	3248036	50
Ground terminal	green-yellow	**MUT 4-PE**	②	3248037	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-MUT 2,5/4**	3248033	50

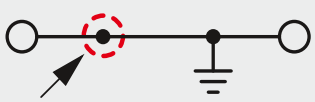
6 mm² UT screw connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm²]	6			
Cross section range	AWG	24 - 8			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 4
General data					
Stripping length	[mm]	10			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



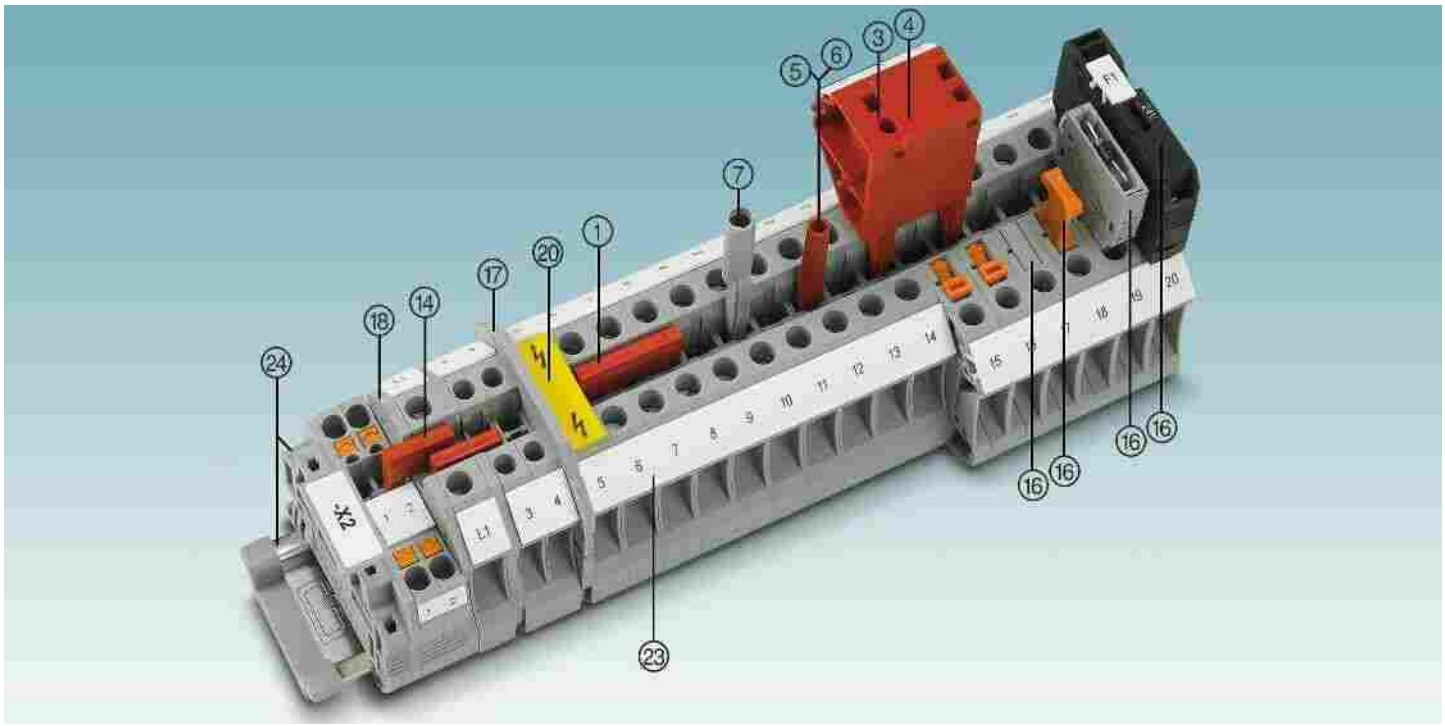
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-8**	3030284	10	**FBSR 2-8**	3033808	10
	3	red	**FBS 3-8**	3030297	10	**FBSR 3-8**	3001597	10
	4	red	**FBS 4-8**	3030307	10	**FBSR 4-8**	3000585	10
	5	red	**FBS 5-8**	3030310	10	**FBSR 5-8**	3033809	10
	10	red	**FBS 10-8**	3030323	10	**FBSR 10-8**	3001599	10
	16	red				**FBSR 16-8**	3033816	10
③ **Modular test plug**		red	**PS-8**	3031005	10			
Spacer plate		red	**DP PS-8**	3036741	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Screwdriver			**SZS 1,0X4,0 VDE**	1205066	10			

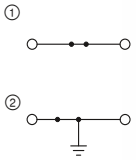
Reducing bridge	**For RB ..., see page 408.**
Fuse and function plugs for disconnect terminal blocks	**For P-FU ... / P-DI / P-FIX / P-CO ..., see from page 414.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Lateral groove labeling	**UC-TM 8, UCT-TM 8 or ZB 8. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through and multi-level terminal blocks

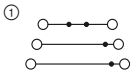
Notes:

[1]) For additional accessories and technical data, see page 172.

For information on installation and using accessories for Ex applications, see page 678.



57 A, feed-through and ground terminal block



50 A, multi-level terminal block

Ex: EAC Ex
KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	**47.7**	**47.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		57	**1000**	**0.2 - 10**	**24-8**
Maximum bridge current	[A]	41 (FBS) / 32 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	690
Nominal current / cross section	[A] / [mm²]	41 / 6	50 / -	50 / -	40 / 6

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 6**	①	3044131	50
	blue	**UT 6 BU**	①	3044144	50
Ground terminal	green-yellow	**UT 6-PE**	②	3044157	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UT 2,5/10**	3047028	50

Technical data[1])

Width	Length	Height		
8.2	**110**	**98.8 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
50	**1000**	**0.2 - 10**	**24-8**	
36 (FBS)				
IEC	UL / CUL	CSA	Ex	
1000	600	600	-	
36 / 6	40 / -	40 / -	- / -	

Ordering data

Type		Order No.	Pcs./Pkt.
UT 6-3L	①	3046703	50

Accessories[1])

D-UT 6-3L	3046707	50

Fuse terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 172.

[2]) If the fuse is faulty, the downstream circuit is not off load.

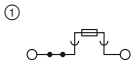
[3]) For max. power dissipation, see page 694.

[4]) The current is determined by the fuse used, the voltage by the LED display. Observe max. power dissipation.

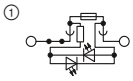
[5]) The current is determined by the fuse used, the voltage by the LED display.

As disconnect terminal block 500 V.

For lever marking, please use marking material with 6.2 mm pitch.



10 A, lever-type fuse terminal block for 6.3 x 32 mm cartridge fuses



10 A, lever-type fuse terminal block for 6.3 x 32 mm cartridge fuses, with LED display

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	**57.8**	**73 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		10[3])	**630[5])**	**0.2 - 10**	**24-8**
Maximum bridge current	[A]	41 (FBS) / 32 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	630[5])	600	600	-
Nominal current / cross section	[A] / [mm²]	10[5]) / 1.5	10 / -	10 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	black	**UT 6-HESI (6,3X32)**	①	3046401	50
With LED display 12 ... 30 V AC/DC, 0.31 ... 0.95 mA²)	black				
30 ... 60 V AC/DC, 0.40 ... 0.86 mA²)	black				
110 ... 250 V AC/DC, 0.41 ... 0.96 mA²)	black				

Technical data[1])

Width	Length	Height		
8.2	**57.8**	**73 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
10[3])	**24[4])**	**0.2 - 10**	**24-8**	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
24[4])	600	600	-	
10[5]) / 1.5	10 / -	10 / -	- / -	

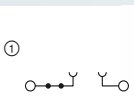
Ordering data

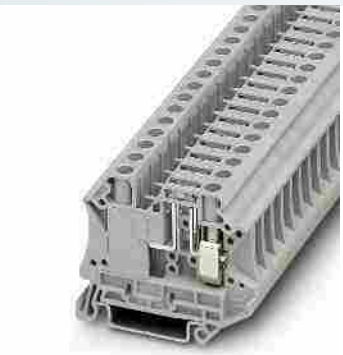
Type		Order No.	Pcs./Pkt.
UT 6-HESILED 24 (6,3X32)	①	3046414	50
UT 6-HESILED 60 (6,3X32)	①	3046427	50
UT 6-HESILA 250 (6,3X32)	①	3046430	50

6 mm² UT screw connection terminal blocks

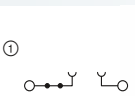
Disconnect terminal blocks

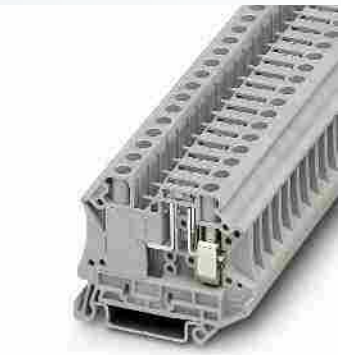
Notes:
[1]) For additional accessories and technical data, see page 172.
[2]) If the fuse is faulty, the downstream circuit is not off load.
[3]) Current and voltage are determined by the plug used.
Detailed information and data sheets regarding modular terminal blocks in the Ex area are available in the product area on our website at www.phoenixcontact.net/products and in IECEx Certificate of Conformity IECEx UL 13.0007U and in UL file E192998.
Only the fuse plugs listed may be used.
For information on installation and using accessories for Ex applications, see page 678.





20 A, disconnect terminal block





20 A, disconnect terminal block for Ex nA

EAC

EAC
Ex:
IECEx UL 13.0007U

Technical data[1])				
Dimensions				
	[mm]	Width	Length	Height
		8.2	**57.8**	**47.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20[3])	**500[3])**	**0.2 - 10** / **24-8**
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[3])	600	600 / -
Nominal current / cross section	[A] / [mm²]	20[3]) / 2.5	16 / -	16 / - / - / -

Technical data[1])				
Dimensions				
	[mm]	Width	Length	Height
		8.2	**57.8**	**47.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20[3])	**500[3])**	**0.2 - 10** / **-**
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[3])	-	- / 250
Nominal current / cross section	[A] / [mm²]	20[3]) / 2.5	- / -	- / - / 6.3 / 6

Ordering data				
Description	Color	**Type**	**Order No.**	Pcs./Pkt.
Terminal block	gray	**UT 6-TG** ①	3046485	50
	blue	**UT 6-TG BU** ①	3073856	50
With test socket screws	gray	**UT 6-TG P/P** ①	3073869	50
	blue	**UT 6-TG P/P BU** ①	3073872	50

Ordering data				
Description	Color	**Type**	**Order No.**	Pcs./Pkt.
Terminal block	gray	**UT 6-TG-EX** ①	3046486	50
With test socket screws	gray	**UT 6-TG P/P-EX** ①	3073870	50

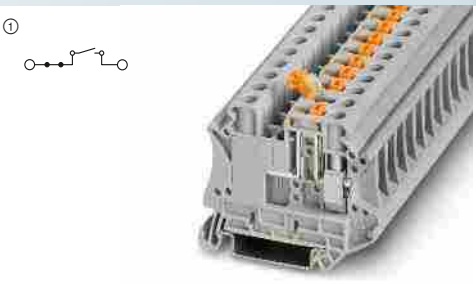
Accessories[1])				
Fuse connector, width: 8.2 mm²)	black			
with LED for 12 - 30 V DC, 0.35 - 0.95 mA	black			
for 30 - 60 V AC/DC, 0.36 - 0.95 mA	black			
for 110 - 250 V AC/DC, 0.4 - 0.95 mA	black			

Accessories[1])		
P-FU 6,3X32-EX	3046499	10
P-FU 6,3X32 LED 24-EX	3046509	10
P-FU 6,3X32 LED 60-EX	3046512	10
P-FU 6,3X32 LA 250-EX	3046525	10

Knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 172.



20 A, knife disconnect terminal block

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	**57.8**	**49.1 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20	**500**	**0.2 - 10** / **24-8**
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	16 / -	16 / - / - / -

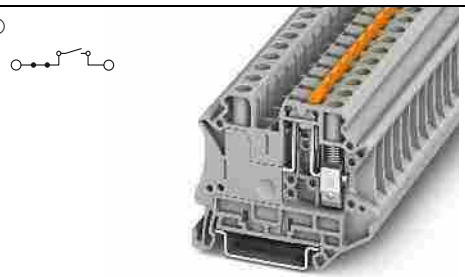
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 6-MT**	①	3064069	50
	blue	**UT 6-MT BU**	①	3073267	50
With test socket screws	gray	**UT 6-MT P/P**	①	3064072	50
	blue	**UT 6-MT P/P BU**	①	3073270	50

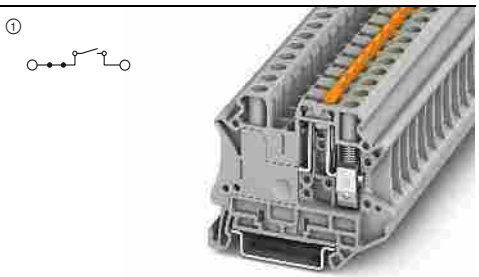
Knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 172.



20 A, knife disconnect terminal block, with actuation lever



20 A, knife disconnect terminal block, with actuation lever, test socket screws

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		8.2	**57.8**	**49.1 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**500**	**0.2 - 10**	**24-8**
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	16 / -	16 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 6-MTL**	①	3046145	50
Red actuation lever	gray	**UT 6-MTL KNIFE-RD**	①	3046153	50
White actuation lever	gray	**UT 6-MTL KNIFE-WH**	①	3046149	50

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		8.2	**57.8**	**49.1 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**500**	**0.2 - 10**	**-**
Maximum bridge current	[A]	20 (FBS) / 20 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	-	600	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	- / -	16 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 6-MTL P/P**	①	3046147	50
Red actuation lever	gray	**UT 6-MTL-P/P KNIFE-RD**	①	3046155	50
White actuation lever	gray	**UT 6-MTL P/P KNIFE-WH**	①	3046151	50

6 mm² UT screw connection terminal blocks

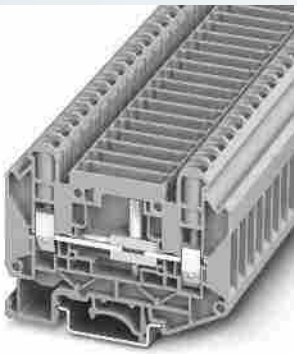
Test disconnect terminal blocks

Notes:

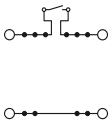
For further plug-in bridges, see page 402.

For further test sockets, see page 587.

For corresponding AP-ME and AH-ME terminal strip covers, see Catalog 3.



57 A, 1000 V, test disconnect terminal block, 2 plug-in bridge shafts



50 A, test disconnect terminal block, 4 plug-in bridge shafts, 2 screw bridge shafts

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**8.2**	**72.6**	**54.3**	
Dimensions	Width	Length	Height NS 32	
[mm]	**8.2**	**72.6**	**59.3**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	57	**1000**	**0.2 - 10**	**-**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	1000	-	-	-
Nominal current / cross section [A] / [mm²]	41 / 6	-	-	-
General data				
Stripping length [mm]	12			
Tightening torque [Nm]	1.2 - 1.4			

Technical data

Width	Length	Height NS 35/7,5		
8.2	**105.2**	**53**		
Width	Length	Height NS 32		
8.2	**105.2**	**58**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
50	**1000**	**0.2 - 10**	**20-8**	
IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	
1000	600	-	-	
41 / 6	50	-	-	
12				
1.5 - 1.8				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block		gray	**UT 6-T-HV**		3070134	50
With test socket screws		gray	**UT 6-T-HV P/P**		3070121	50
Feed-through terminal block		gray				

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UT 6-T/SP		3072815	50
UTD 6/SP		3072817	50

Accessories

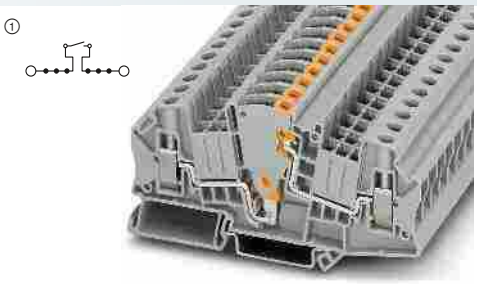
Cover, width: 2.2 mm		gray	**D-UT 6-T-HV**		3070147	50
Plug-in bridge						
	2	red	**FBS 2-8**	41 A	3030284	10
	3	red	**FBS 3-8**	41 A	3030297	10
	4	red	**FBS 4-8**	41 A	3030307	10
	5	red	**FBS 5-8**	41 A	3030310	10
	10	red	**FBS 10-8**	41 A	3030323	10
Pre-assembled bridge, labeled						
3-pos., positions 1, 3	3	red	**FBS 1/3-8**	24 A	3032363	10
4-pos., positions 1, 4	4	red	**FBS 1/4-8**	24 A	3032376	10
5-pos., positions 1, 5	5	red	**FBS 1/5-8**	24 A	3032381	10
5-pos., positions 1, 3, 5	5	red	**FBS 1/3/5-8**	24 A	3032389	10
10-pos., positions 1, 4, 7, 10	10	red	**FBS 1/4/7/10-8**	24 A	3032402	10
Fixed bridge						
	10	silver				
Isolator bridge bar						
	10	silver				
Switching bridge						
	2	orange				
	3	orange				
	4	orange				
Switching bridge, plug-in						
	2	gray/orange	**SB-MER 2-8**	30 A	3000587	10
	3	gray/orange	**SB-MER 3-8**	30 A	3000588	10
	4	gray/orange	**SB-MER 4-8**	30 A	3000589	10
Disconnect plate, 1 mm width		gray				
Test socket		silver				
Test adapter, plug-in		yellow	**PAI-4-FIX YE**		3032745	10
		green	**PAI-4-FIX GN**		3032758	10
		violet	**PAI-4-FIX VT**		3032761	10
		black	**PAI-4-FIX BK**		3032774	10
		blue	**PAI-4-FIX BU**		3032729	10
		violet	**PAI-4-FIX VT**		3032761	10
		black	**PAI-4-FIX BK**		3032774	10
		brown	**PAI-4-FIX BN**		3032787	10
		gray	**PAI-4-FIX GY**		3032790	10
Test adapter, screw-in		yellow				
		green				
		violet				
		black				

Accessories

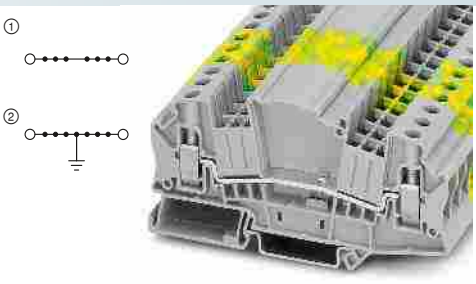
D-UT 6-T/SP		3072816	50
FBS 2-8	41 A	3030284	10
FBS 3-8	41 A	3030297	10
FBS 4-8	41 A	3030307	10
FBS 5-8	41 A	3030310	10
FBS 10-8	41 A	3030323	10
FBS 1/3-8	24 A	3032363	10
FBS 1/4-8	24 A	3032376	10
FBS 1/5-8	24 A	3032381	10
FBS 1/3/5-8	24 A	3032389	10
FBS 1/4/7/10-8	24 A	3032402	10
SCBI 10-8,15	24 A	3245134	10
SCBI 10-8,15 ISO	24 A	3000417	10
SB 6-T 2-8	32 A	3075842	10
SB 6-T 3-8	32 A	3075843	10
SB 6-T 4-8	32 A	3075844	10
SB-MER 2-8	25 A	3000587	10
SB-MER 3-8	25 A	3000588	10
SB-MER 4-8	25 A	3000589	10
TS-UK 6-T		3072820	10
TPS 3/20/5		3246586	10
PAI-4-FIX YE		3032745	10
PAI-4-FIX GN		3032758	10
PAI-4-FIX VT		3032761	10
PAI-4-FIX BK		3032774	10
PAI-4-FIX BU		3032729	10
PAI-4-FIX VT		3032761	10
PAI-4-FIX BK		3032774	10
PAI-4-FIX BN		3032787	10
PAI-4-FIX GY		3032790	10
PSBJ 6-T YE		3070326	10
PSBJ 6-T GN		3070327	10
PSBJ 6-T VT		3070328	10
PSBJ 6-T BK		3070318	10

Test disconnect terminal blocks

Notes:
[1]) For additional accessories and technical data, see page 172.
For corresponding terminal strip covers, see Catalog 3.



30 A, test disconnect terminal block



41 A, feed-through and ground terminal block, same shape

EAC

Technical data[1])

Dimensions				
	Width	Length	Height	
	[mm]	8.2	100.8	49.6 (NS 35/7,5)
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	500	0.2 - 10	24-8
Maximum bridge current	[A]	30 (FBS) / 30 (FBSR)		
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	30 / 6	30 / -	30 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Test disconnect terminal block	gray	**UTME 6**	①	3047400	50
	gray				
Ground terminal	green-yellow				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UTME 6**	3047426	10

EAC

Technical data[1])

Dimensions				
	Width	Length	Height	
	[mm]	8.2	100.8	49.6 (NS 35/7,5)
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	41	500	0.2 - 10	24-8
Maximum bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	41 / 6	30 / -	30 / -	- / -

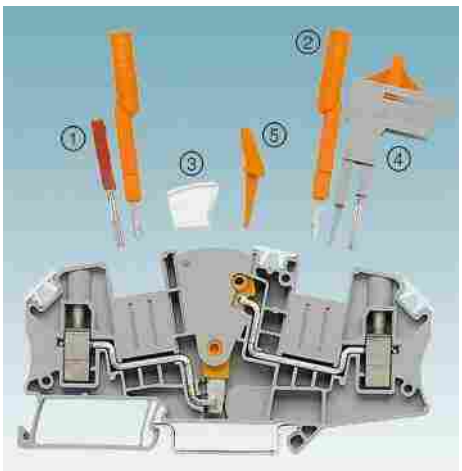
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
		UTMED 6	①	3047413	50
		UTMED 6-PE	②	3047442	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UTME 6**	3047426	10

Supplementary accessories for UTME 6 test disconnect terminal blocks



– Only two UTME 6 measuring transducer disconnect terminal blocks are required for a current transformer measuring circuit
– Less space required compared to creating circuits with slide-type terminal blocks

① FBS... plug-in bridge for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 6 switching lock
SB-ME... bridge bar
C−ME 6/2 operating lever

Ordering data

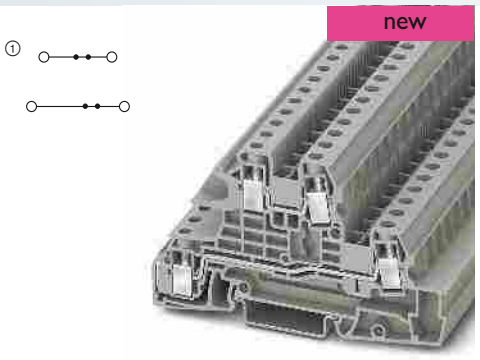
Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.
Test adapter, for 4-mm-Ø safety test connector, snapped into bridge shaft	1	orange	**PAI-4-FIX OG**	3034455	10
	1	yellow	**PAI-4-FIX YE**	3032745	10
	1	green	**PAI-4-FIX GN**	3032758	10
	1	violet	**PAI-4-FIX VT**	3032761	10
	1	black	**PAI-4-FIX BK**	3032774	10
	1	blue	**PAI-4-FIX BU**	3032729	10
	1	red	**PAI-4-FIX RD**	3032732	10
	1	gray	**PAI-4-FIX GY**	3032790	10
	1	brown	**PAI-4-FIX BN**	3032787	10
Switching lock, plug-in		white	**S-ME 6**	3034439	10
Switching bridge, plug-in	2	gray/orange	**SB-ME 2-8**	3034468	10
	3	gray/orange	**SB-ME 3-8**	3032800	10
	4	gray/orange	**SB-ME 4-8**	3034484	10
Operating lever, for actuating test disconnect terminal blocks	1	orange	**C-ME 6/1**	3034441	10
	2	orange	**C-ME 6/2**	3034442	10
	3	orange	**C-ME 6/3**	3034390	50

Installation terminal blocks

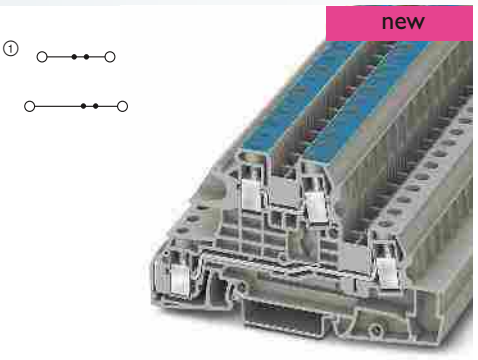
Notes:

[1]) For additional accessories and technical data, see page 172.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products



47 A, three-level terminal block, 2 x L outer conductors



47 A, three-level terminal block, 1 x L outer conductor L, 1 x N neutral conductor

Technical data[1])

Dimensions	Width	Length	Height	
[mm]	**8.2**	**95**	**51.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	47	**400**	**0.2 - 10**	**-**
Maximum bridge current [A]	34 (FBSL)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	-	-	-
Nominal current / cross section [A] / [mm²]	38 / 6	- / -	- / -	- / -
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
2 conductors (of the same type) [mm²]	0.2 - 2.5	0.2 - 2.5	-	-
General data				
Stripping length [mm]	9			
Screw thread	M3			
Tightening torque [Nm]	0.5 - 0.6			

Technical data[1])

Width	Length	Height		
8.2	**95**	**51.5 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
47	**400**	**0.2 - 10**	**-**	
34 (FBSL)				
IEC	UL / CUL	CSA	Ex	
400	-	-	-	
38 / 6	- / -	- / -	- / -	
Rigid	Flexible	Ferrule without/with plastic sleeve		
0.2 - 2.5	0.2 - 2.5	-	-	
9				
M3				
0.5 - 0.6				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block		gray	**UTI 6-L/L**	1	3076042	50
upper level blue		gray				

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UTI 6-L/N	1	3076045	50

Accessories[1])

Cover, width: 2.2 mm		gray	**D-UTI 6/3**	1025464	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2.2 mm wide		blue	**AB-UTI 6/3**	1037092	50
Plug-in bridge					
	2	red	**FBSL 2-8**	3030324	10
	3	red	**FBSL 3-8**	3030325	10
	4	red	**FBSL 4-8**	3030326	10
	5	red	**FBSL 5-8**	3030327	10
	10	red	**FBSL 10-8**	3030328	10

Accessories[1])

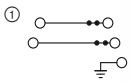
D-UTI 6/3		1025464		50
AB-UTI 6/3		1037092		50
FBSL 2-8	34 A	3030324		10
FBSL 3-8	34 A	3030325		10
FBSL 4-8	34 A	3030326		10
FBSL 5-8	34 A	3030327		10
FBSL 10-8	34 A	3030328		10

Installation terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 172.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products



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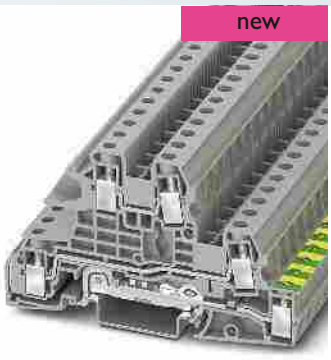
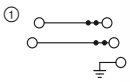


47 A, three-level terminal block, 2 x L outer conductors, 1 x PE



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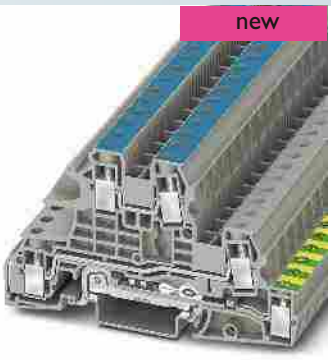


47 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor, 1 x PE

Technical data[1])

Dimensions				
	Width	Length	Height	
	[mm]	**8.2**	**95**	**51.5 (NS 35/7,5)**
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	47	**400**	**0.2 - 10**	**-**
Maximum bridge current	[A]	34 (FBSL)		
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	38 / 6	- / -	- / -	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	-	-
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			

Technical data[1])

Dimensions				
	Width	Length	Height	
	[mm]	**8.2**	**95**	**51.5 (NS 35/7,5)**
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	47	**400**	**0.2 - 10**	**-**
Maximum bridge current	[A]	34 (FBSL)		
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	38 / 6	- / -	- / -	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	-	-
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block		gray	**UTI 6-PE/L/L**	1	3076040	50
upper level blue		gray				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block		gray	**UTI 6-PE/L/N**	1	3076041	50
upper level blue		gray				

Accessories[1])

Cover, width: 2.2 mm		gray	**D-UTI 6/3**		1025464	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2.2 mm wide		blue	**AB-UTI 6/3**		1037092	50
Plug-in bridge						
	2	red	**FBSL 2-8**	34 A	3030324	10
	3	red	**FBSL 3-8**	34 A	3030325	10
	4	red	**FBSL 4-8**	34 A	3030326	10
	5	red	**FBSL 5-8**	34 A	3030327	10
	10	red	**FBSL 10-8**	34 A	3030328	10

Accessories[1])

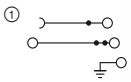
Cover, width: 2.2 mm		gray	**D-UTI 6/3**		1025464	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2.2 mm wide		blue	**AB-UTI 6/3**		1037092	50
Plug-in bridge						
	2	red	**FBSL 2-8**	34 A	3030324	10
	3	red	**FBSL 3-8**	34 A	3030325	10
	4	red	**FBSL 4-8**	34 A	3030326	10
	5	red	**FBSL 5-8**	34 A	3030327	10
	10	red	**FBSL 10-8**	34 A	3030328	10

Installation terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 172.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products



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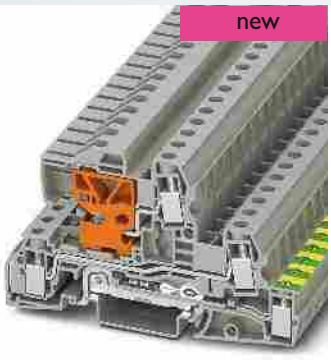


47 A, three-level terminal block, 1 x L outer conductor, 1 x L conductor which can be disconnected, 1 x PE

EAC

Technical data[1])

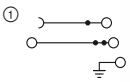
Dimensions				
	Width	Length	Height	
[mm]	**8.2**	**95**	**51.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	47	**400**	**0.2 - 10**	**-**
Maximum bridge current [A]	34 (FBSL)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	-	-	-
Nominal current / cross section [A] / [mm²]	38 / 6	- / -	- / -	- / -
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
2 conductors (of the same type) [mm²]	0.2 - 2.5	0.2 - 2.5	-	-
General data				
Stripping length [mm]	9			
Screw thread	M3			
Tightening torque [Nm]	0.5 - 0.6			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block		gray	**UTI 6-PE/L/LT**	1	3076043	50
upper level blue		gray				

Accessories[1])

Cover, width: 2.2 mm		gray	**D-UTI 6/3**		1025464	50
Support bracket, to hold the neutral busbar, set every 20 cm, 2.2 mm wide		blue	**AB-UTI 6/3**		1037092	50
Plug-in bridge						
	2	red	**FBSL 2-8**	34 A	3030324	10
	3	red	**FBSL 3-8**	34 A	3030325	10
	4	red	**FBSL 4-8**	34 A	3030326	10
	5	red	**FBSL 5-8**	34 A	3030327	10
	10	red	**FBSL 10-8**	34 A	3030328	10



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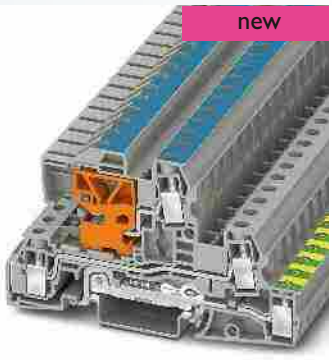


47 A, three-level terminal block, 1 x L outer conductor, 1 x N conductor which can be disconnected, 1 x PE

EAC

Technical data[1])

Width	Length	Height	
8.2	**95**	**51.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
47	**400**	**0.2 - 10**	**-**
34 (FBSL)			
IEC	UL / CUL	CSA	Ex
400	-	-	-
38 / 6	- / -	- / -	- / -
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 2.5	0.2 - 2.5	-	-
9			
M3			
0.5 - 0.6			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UTI 6-PE/L/NT	1	3076039	50

Accessories[1])

D-UTI 6/3		1025464	50
AB-UTI 6/3		1037092	50
FBSL 2-8	34 A	3030324	10
FBSL 3-8	34 A	3030325	10
FBSL 4-8	34 A	3030326	10
FBSL 5-8	34 A	3030327	10
FBSL 10-8	34 A	3030328	10

Installation terminal blocks

41 A, neutral disconnect terminal block

Notes:
[1]) For additional accessories and technical data, see page 172.
Assembly instruction: In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	**55**	**47.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		41	**400**	**0.2 - 10** / **-**
Maximum bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400	-	- / -
Nominal current / cross section	[A] / [mm²]	41 / 6	- / -	- / - / - / -

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Terminal block	blue	**UTN 6** ①	3245037	50

Accessories[1])

Cover, width: 2.2 mm	blue	**D-UTN 2,5/10**	3245079	50
Support bracket	blue	**AB-UTN 2,5/10**	3245082	50

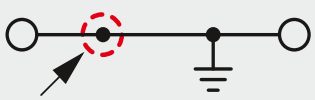
10 mm² UT screw connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	10			
Cross section range	AWG	20 - 6			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
2 conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 6
General data					
Stripping length	[mm]	10			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



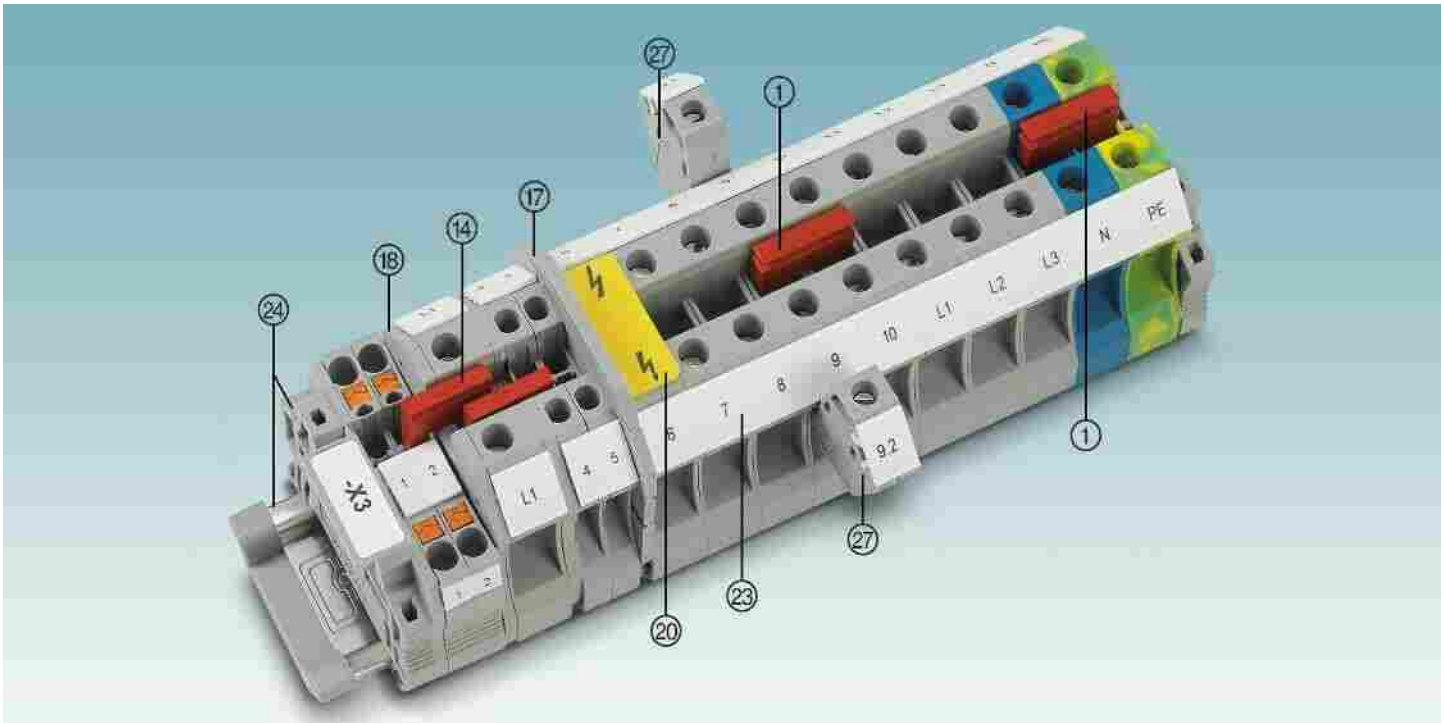
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-10**	3005947	10			
	5	red	**FBS 5-10**	3005948	10			
Tap-off terminal block		gray	**AGK 4-UT 10**	3047112	50			
Screwdriver			**SZS 1,0X4,0 VDE**	1205066	10			

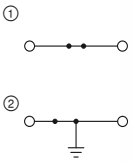
Reducing bridge	**For RB ..., see page 408.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Lateral groove labeling	**UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 182.

For information on installation and using accessories for Ex applications, see page 678.



76 A, feed-through and ground terminal block

EAC

Ex:
KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**10.2**	**47.7**	**47.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		76	**1000**	**0.5 - 16**	**20-6**
Maximum bridge current	[A]	57			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	690
Nominal current / cross section	[A] / [mm²]	57 / 10	65 / -	65 / -	54 / 10

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 10**	①	3044160	50
	blue	**UT 10 BU**	①	3044188	50
Ground terminal	green-yellow	**UT 10-PE**	②	3044173	50

Accessories[1])

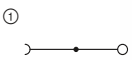
Cover, width: 2.2 mm	gray	**D-UT 2,5/10**	3047028	50

Installation terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 182.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products



57 A, neutral disconnect terminal block

EAC

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**10.2**	**55**	**47.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		57	**400**	**0.5 - 16**	**-**
Maximum bridge current	[A]	57			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	57 / 10	- / -	- / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	blue	**UTN 10**	①	3245040	50

Accessories[1])

Cover, width: 2.2 mm	blue	**D-UTN 2,5/10**	3245079	50
Support bracket	blue	**AB-UTN 2,5/10**	3245082	50

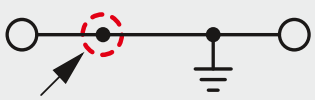
16 mm² UT screw connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	16			
Cross section range	AWG	16 - 4			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1.5 - 25	1.5 - 25	1 - 16	1 - 16
2 conductors (of the same type)	[mm²]	1 - 6	1 - 6	1 - 6	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.75 - 10
General data					
Stripping length	[mm]	14			
Screw thread		M5			
Tightening torque	[Nm]	2.5 - 3			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



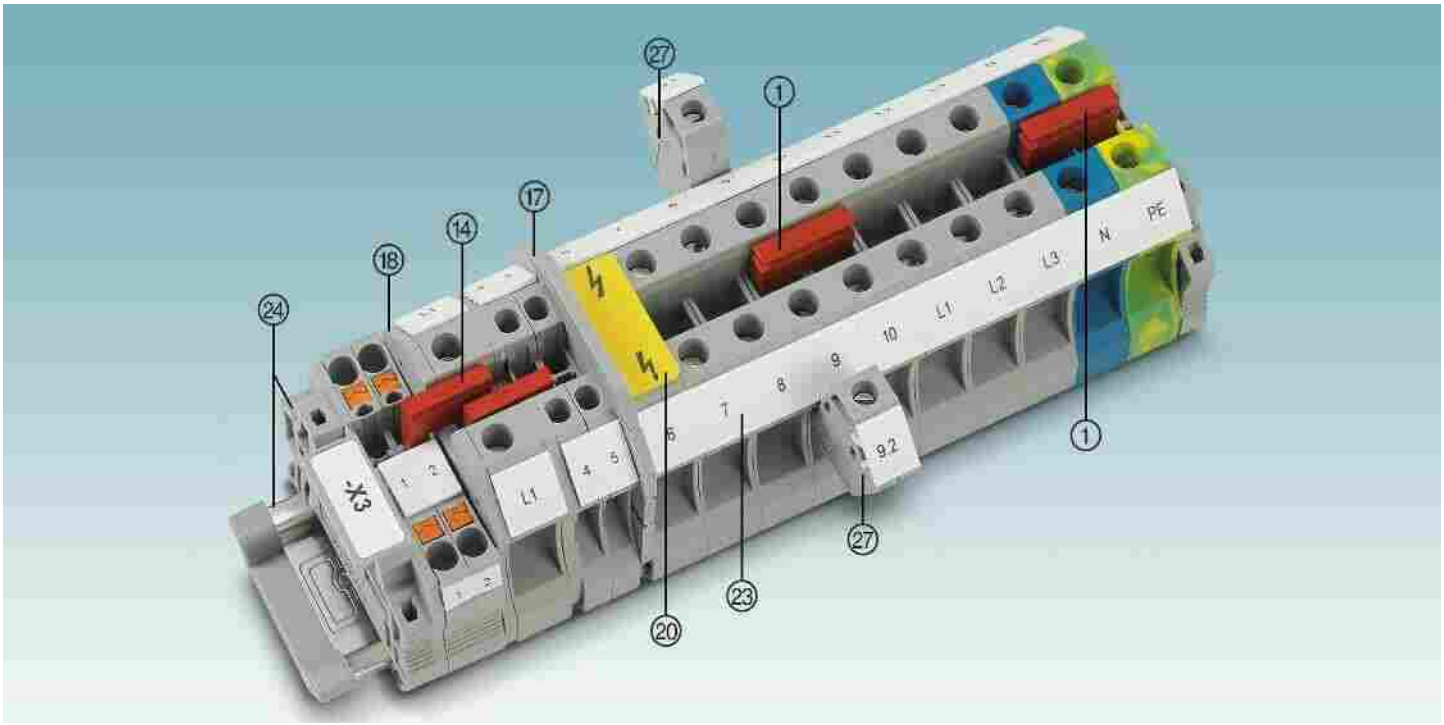
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-12**	3005950	10			
Tap-off terminal block		gray	**AGK 4-UT 16**	3047125	50			
Screwdriver			**SZS 1,0X6,5 VDE**	1205079	10			

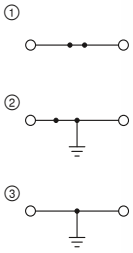
Reducing bridge	**For RB ..., see page 408.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Lateral groove labeling	**UC-TM 12, UCT-TM 12 or ZB 12. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 184.

For information on installation and using accessories for Ex applications, see page 678.



101 A, feed-through and ground terminal block

EAC

Ex: EAC Ex
KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
12.2	**55.5**	**55 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
101	**1000**	**1.5 - 25**	**16-4**
76			
IEC	UL / CUL	CSA	Ex
1000	600	600	690
76 / 16	85 / -	85 / -	73.5 / 16

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow
With screw foot	green-yellow

Ordering data

Type		Order No.	Pcs./Pkt.
UT 16	①	3044199	50
UT 16 BU	①	3044209	50
UT 16-PE	②	3044212	50
UT 16-PE/S	③	3215915	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UT 16**	3047206	50

Installation terminal blocks

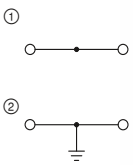
Notes:

[1]) For additional accessories and technical data, see page 184.

Only the FBI 10-12 bridge (Order No. 0203454) can be used for UTI 16.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products

76 A, neutral disconnect terminal block



76 A, feed-through and ground terminal block

EAC

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**12.2**	**55**	**50.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		76	**400**	**6 - 25**	**-**
Maximum bridge current	[A]	-			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	76 / 16	- / -	- / -	- / -
Cross section range	AWG	10 - 4	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	6 - 25	6 - 16	6 - 16	6 - 16
2 conductors (of the same type)	[mm²]	2.5 - 10	2.5 - 6	4 - 6	-
General data					
Stripping length	[mm]	12			
Flammability rating in accordance with UL 94		V2			

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray				
	blue	**UTN 16**	①	3245053	50
Ground terminal	green-yellow				

EAC

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**12.2**	**51**	**50.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		76	**400**	**6 - 25**	**-**
Maximum bridge current	[A]	101			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	76 / 16	- / -	- / -	- / -
Cross section range	AWG	10 - 4	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	6 - 25	6 - 16	6 - 16	6 - 16
2 conductors (of the same type)	[mm²]	2.5 - 10	2.5 - 6	4 - 6	-
General data					
Stripping length	[mm]	12			
Flammability rating in accordance with UL 94		V2			

Ordering data

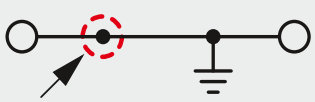
Type		Order No.	Pcs./Pkt.
UTI 16	①	3073827	50
UTI 16 BU	①	3075728	50
UTI 16-PE	②	3073830	50

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	35			
Cross section range	AWG	16 - 1/0			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1.5 - 50	1.5 - 50	1.5 - 35	1.5 - 35
2 conductors (of the same type)	[mm²]	1.5 - 16	1.5 - 10	1.5 - 10	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	1.5 - 16
General data					
Stripping length	[mm]	18			
Screw thread		M6			
Tightening torque	[Nm]	3.2 - 3.7			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



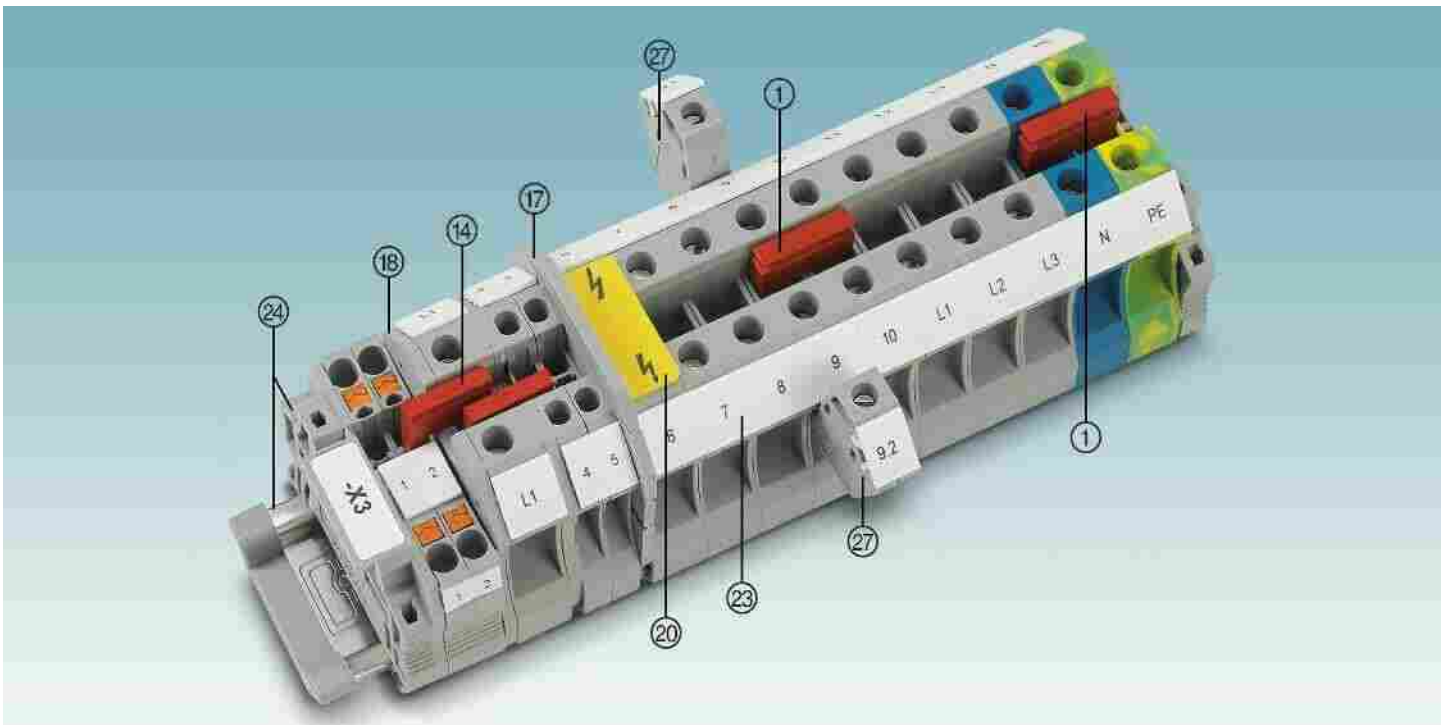
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-16**	3005963	10			
Tap-off terminal block		gray	**AGK 4-UT 35**	3047138	50			
Screwdriver			**SZS 1,0X6,5 VDE**	1205079	10			

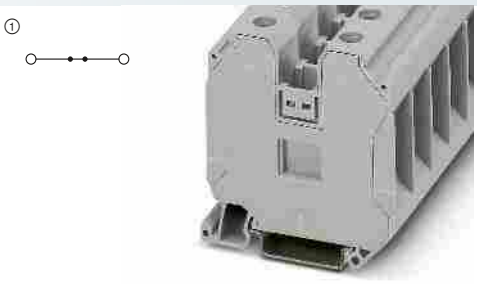
Reducing bridge	**For RB ..., see page 408.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Lateral groove labeling	**UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 3, selection tables from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 186.

For information on installation and using accessories for Ex applications, see page 678.



150 A, feed-through terminal block

Ground terminal

EAC

Ex: EAC Ex
KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		16	**61.2**	**65.7 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		150	**1000**	**1.5 - 50**	**14**
Maximum bridge current	[A]	101			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	1000	1000	690
Nominal current / cross section	[A] / [mm²]	125 / 35	150 / -	150 / -	123 / 35
Cross section range	AWG	16 - 1/0	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1.5 - 50	1.5 - 50	1.5 - 35	1.5 - 35

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 35**	①	3044225	50
	blue	**UT 35 BU**	①	3044238	50
Ground terminal	green-yellow				
With screw foot	green-yellow				

EAC

Ex: EAC Ex
KEMA 04ATEX2048 U / IECEx KEM 06.0027U

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		16	**61.2**	**65.7 (NS 35/7,5)**	
				max. Ø [mm²]	AWG (UL)
				1.5 - 35	**14-2**
		101			
		IEC	UL / CUL	CSA	Ex
		-	-	-	-
		- / 35	- / -	- / -	- / 35
		16 - 2	-	-	-
		Rigid	Flexible	Ferrule without/with plastic sleeve	
		1.5 - 35	1.5 - 35	1.5 - 35	1.5 - 35

Ordering data

Type		Order No.	Pcs./Pkt.
UT 35-PE	①	3044241	50
UT 35-PE/S	②	3215928	50

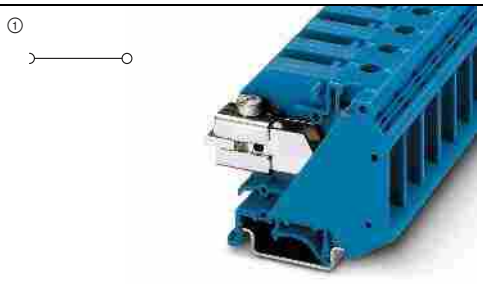
Installation terminal blocks

Notes:

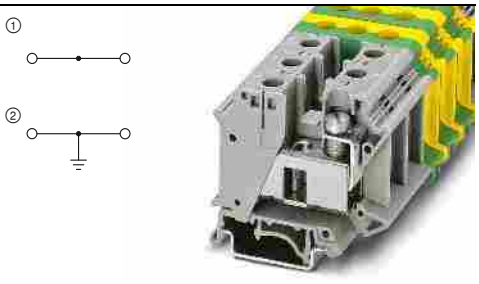
[1]) For additional accessories and technical data, see page 186.

Only FBI ...-15 bridges can be used for UTI 35.

Assembly instruction:
In order to securely fix the neutral busbar in place, support brackets must be placed at the beginning and end of each terminal strip as well as every 20 cm on longer terminal strips. The corresponding support brackets can be found at phoenixcontact.net/products



110 A, neutral disconnect terminal block



125 A, feed-through and ground terminal block

EAC

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		15	**55**	**51 (NS 35/7,5) / 56 (NS 32)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		110	**400**	**0.75 - 35**	**-**
Maximum bridge current	[A]	-			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	110 / 35	- / -	- / -	- / -
Cross section range	AWG	18 - 2	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
2 conductors (of the same type)	[mm²]	0.75 - 10	0.75 - 10	0.75 - 10	-
General data					
Stripping length	[mm]	16			
Flammability rating in accordance with UL 94		V2			

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray				
	blue	**UTN 35**	①	3245066	50
Ground terminal, closed	green-yellow				

EAC

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		15.2	**55**	**51 (NS 35/7,5) / 56 (NS 32)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		125	**800**	**0.75 - 35**	**-**
		135			
		IEC	UL / CUL	CSA	Ex
		800	-	-	-
		125 / 35	- / -	- / -	- / -
		18 - 2	-	-	-
		Rigid	Flexible	Ferrule without/with plastic sleeve	
		0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
		0.75 - 10	0.75 - 10	0.75 - 10	-
		16			
		V2			

Ordering data

Type		Order No.	Pcs./Pkt.
UTI 35	①	3074088	50
UTI 35 BU	①	3075731	50
UTI 35-PE	②	3074091	50

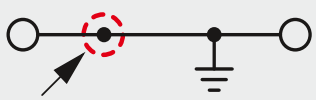
50 mm² UKH screw connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	50			
Cross section range	AWG	6 - 2/0			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	16 - 70	25 - 70	25 - 50	25 - 50
2 conductors (of the same type)	[mm²]	10 - 16	10 - 16	10 - 16	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
General data					
Stripping length	[mm]	24			
Screw thread		M6			
Tightening torque	[Nm]	6 - 8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



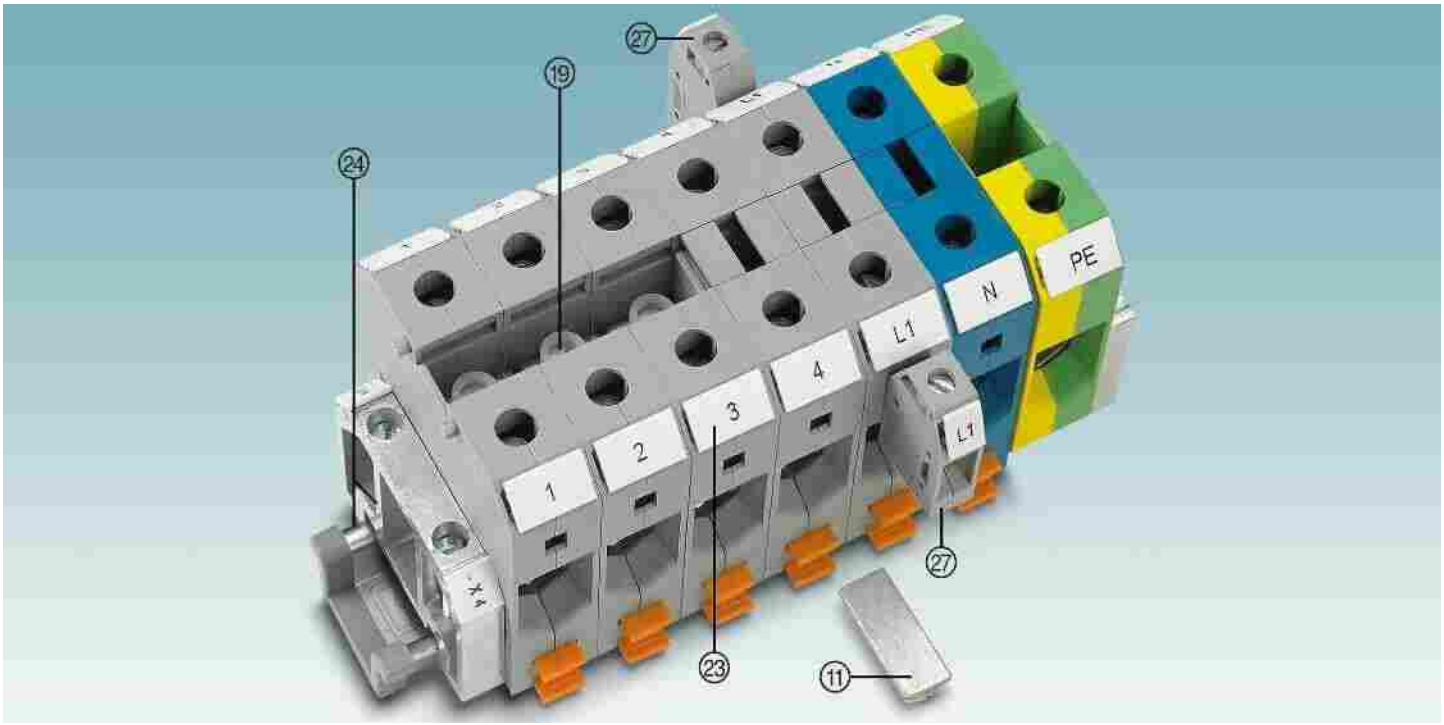
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Fixed bridge[1])	2	silver	**FBI 2-20**	0201346	10			
	3	silver	**FBI 3-20**	0201317	10			
Insertion profile for flat conductor connection, see page 682		silver	**UKH 50 EP**	3009228	10			
Tap-off terminal block		gray	**AGK 10-UKH 50**	3001763	10			
Screwdriver			**SZS 1,2X8,0 VDE**	1205082	10			

Lateral groove labeling	**UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

High-current terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 188.

For information on installation and using accessories for Ex applications, see page 678.

150 A, feed-through terminal block

EAC

Ex: EAC Ex
KEMA 98ATEX1786U / IECEx KEM 06.0029U

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		20	**70.5**	**83.5 (NS 35/15) / 81 (NS 32)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		150	**1000**	**16 - 70**	**6**
Maximum bridge current	[A]	150			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	690
Nominal current / cross section	[A] / [mm²]	150 / 50	150 / -	150 / -	133 / 50

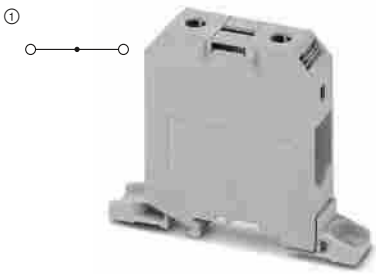
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UKH 50**	①	3009118	10
	blue	**UKH 50 BU**	①	3009105	10
Terminal block, voltage 1500 V	gray	**UKH 50 1500V**	①	3247400	10
	blue	**UKH 50 1500V BU**	①	3247402	10
Ground terminal	green-yellow	**USLKG 50**	②	0443049	10

High-current terminal blocks for direct mounting

Notes:

[1]) For additional accessories and technical data, see page 188.



150 A, feed-through terminal block for direct mounting

EAC

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		20	**103.4**	**76**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		150	**1000**	**16 - 70**	**-**
Maximum bridge current	[A]	150			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	150 / 50	- / -	- / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, for direct mounting	gray	**UKH 50-F**	①	3247019	10

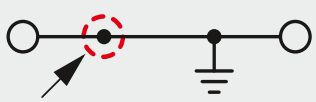
70 mm² UKH screw connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	70			
Cross section range	AWG	4 - 3/0			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	16 - 95	25 - 70	16 - 70	16 - 70
2 conductors (of the same type)	[mm²]	16 - 25	16 - 25	16 - 25	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
General data					
Stripping length	[mm]	24			
Screw thread		M8			
Tightening torque	[Nm]	8 - 10			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



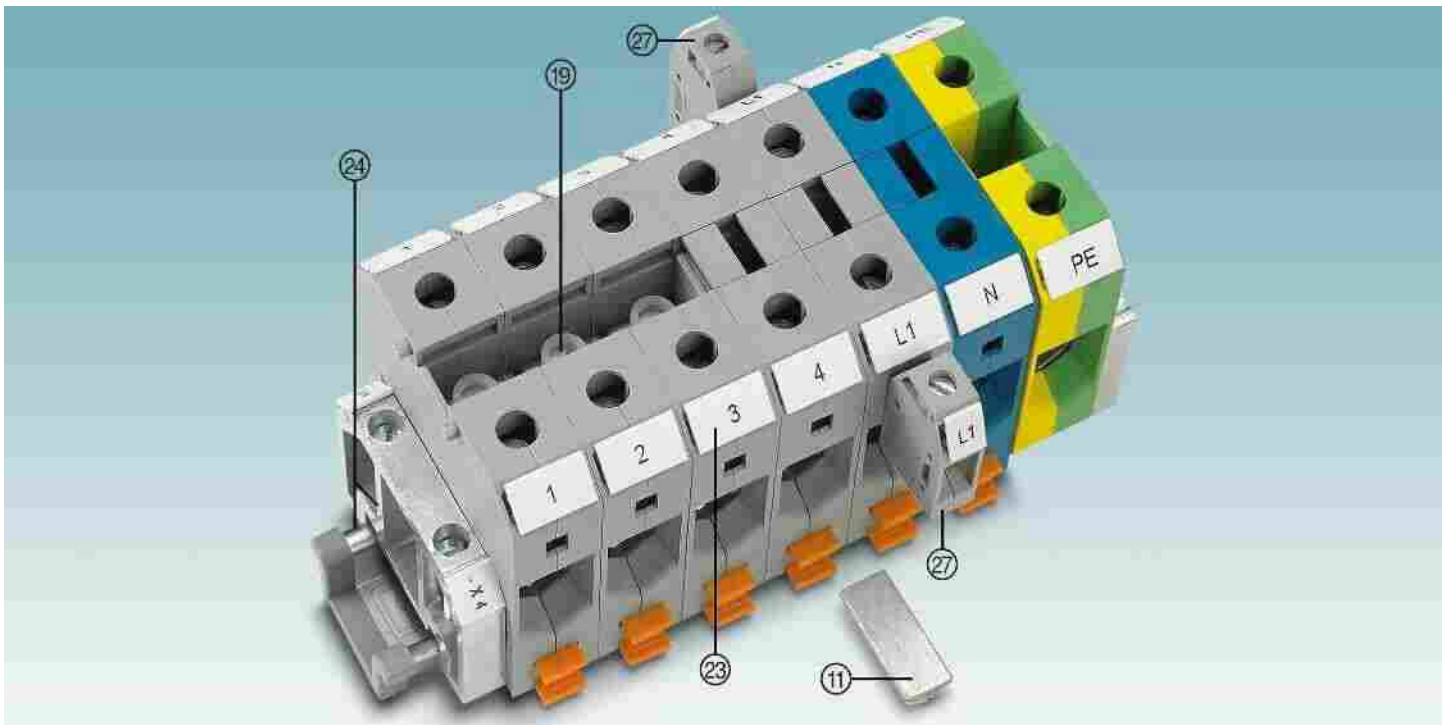
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Fixed bridge[1])	2	silver	**FBI 2-20 N**	3213195	10			
	3	silver	**FBI 3-20 N**	3213205	10			
Insertion profile for flat conductor connection, see page 682		silver	**UKH 50 EP**	3009228	10			
Tap-off terminal block		gray	**AGK 10-UKH 50**	3001763	10			
Allen key			**SF-THEX 6-200**	1212642	5			

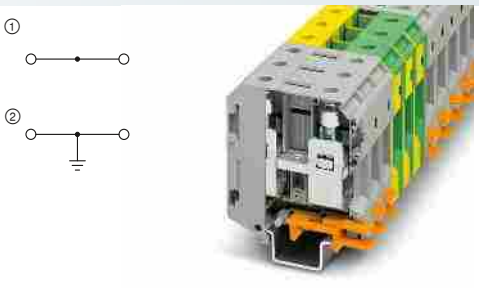
Lateral groove labeling	**UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

High-current terminal blocks

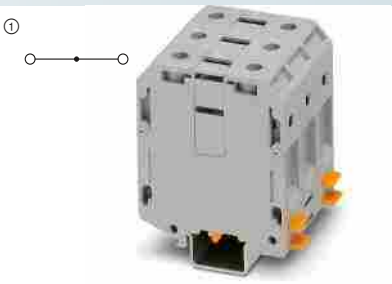
Notes:

[1]) For additional accessories and technical data, see page 190.

For information on installation and using accessories for Ex applications, see page 678.



192 A, feed-through terminal block



192 A, terminal block base

Ex: EAC Ex
SEV12ATEX0168U / IECEx SEV12.0008U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**20.3**	**70.5**	**80 (NS 35/7,5) / 85 (NS 32)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		192	**1000**	**16 - 95**	**6**
Maximum bridge current	[A]	192			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	1000	1000	880
Nominal current / cross section	[A] / [mm²]	192 / 70	192 / -	192 / -	180 / 70

Technical data[1])

		Width	Length	Height	
		60.9	**70.5**	**87.5 (NS 35/15) / 85 (NS 32)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		192	**1000**	**16 - 95**	**6**
		192			
		IEC	UL / CUL	CSA	Ex
		1000	1000	-	-
		192 / 70	192 / -	- / -	- / -

Ordering data

Description	Color
Terminal block	gray
	blue
Terminal block, voltage 1500 V	gray
Ground terminal	green-yellow
Terminal block base, 3 x gray	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow

Type		Order No.	Pcs./Pkt.
UKH 70	①	3213140	10
UKH 70 BU	①	3244601	10
UKH 70 1500V	①	3247461	10
UKH 70-PE/S	②	3213141	10

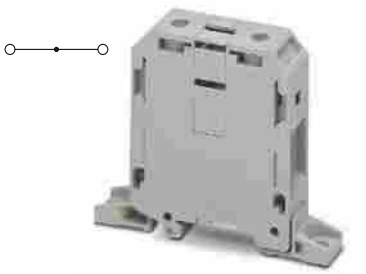
Ordering data

Type		Order No.	Pcs./Pkt.
UKH 70-3L	①	3076329	4
UKH 70-3L/N	①	3076361	3
UKH 70-3L/FE	①	3076400	3
UKH 70-3L/N/FE	①	3076442	2

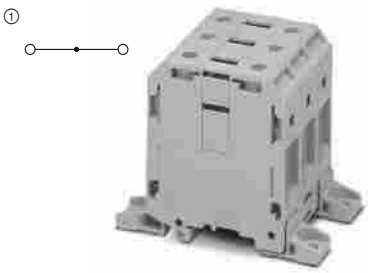
High-current terminal blocks for direct mounting

Notes:

[1]) For additional accessories and technical data, see page 190.



192 A, feed-through terminal block for direct mounting



192 A, terminal block base for direct mounting

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**20.3**	**103.4**	**80**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		192	**1000**	**16 - 95**	**6**
Maximum bridge current	[A]	192			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	1000	-	-
Nominal current / cross section	[A] / [mm²]	192 / 70	192 / -	- / -	- / -

Technical data[1])

		Width	Length	Height	
		60.9	**103.4**	**80**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		192	**1000**	**16 - 95**	**6**
		192			
		IEC	UL / CUL	CSA	Ex
		1000	1000	-	-
		192 / 70	192 / -	- / -	- / -

Ordering data

Description	Color
Terminal block, for direct mounting	gray
Terminal block base, for direct mounting, 3 x gray	gray
3 x gray, 1 x blue	gray/blue
3 x gray, 1 x black-yellow	gray/black-yellow
3 x gray, 1 x blue, 1 x black-yellow	gray/blue/black-yellow

Type		Order No.	Pcs./Pkt.
UKH 70-F	①	3247051	10

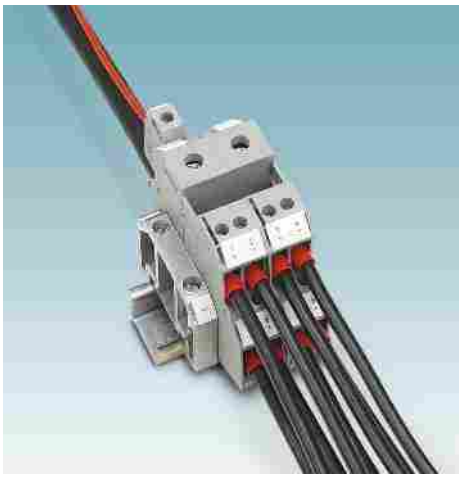
Ordering data

Type		Order No.	Pcs./Pkt.
UKH 70-3L-F	①	3076484	4
UKH 70-3L/N-F	①	3076523	3
UKH 70-3L/FE-F	①	3076565	3
UKH 70-3L/N/FE-F	①	3076604	2

70 mm² UKH screw connection terminal blocks

High-current terminal blocks

Notes:
For additional accessories and technical data, see page 190



- Compact high-current terminal blocks with 1500 V nominal voltage
- For use in renewable power generation – specifically in photovoltaics
- Four integrated pick-off terminal blocks with a 10 mm² cross section for a simple power supply or potential distribution
- Compact, space-saving design
- Bridgeable with screw-type bridges for easy potential distribution
- Large-surface marking options

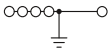
192 A, potential collective terminal, 4 inputs 10 mm²

Technical data

Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]	**20.3**	**88.5**	**80**
Dimensions				
	Width	Length	Height NS 35/15	
	[mm]	**20.3**	**88.5**	**87.5**
Dimensions				
	Width	Length	Height NS 32	
	[mm]	**20.3**	**88.5**	**85**
Maximum electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	192	**1500**	**16 - 95**	**-**
Rated data	IEC 60947-7-1			
	IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1500	-	-	-
Nominal current / cross section	[A] / [mm²]	192 / -	- / -	- / -	-
Rated cross section	[mm²]	70	-	-	-
Cross section range	AWG	4 - 3/0	-	-	-
Supply connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	16 - 95	25 - 70	16 - 70	16 - 70
2 conductors (of the same type)	[mm²]	16 - 25	16 - 25	16 - 25	-
Branch connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	1.5 - 16	1.5 - 10	1.5 - 10	1.5 - 6
2 conductors (of the same type)	[mm²]	1.5 - 2.5	1.5 - 2.5	1.5 - 2.5	-

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Terminal block	gray	**UKH 70/4X10**	3213142	10
	blue	**UKH 70/4X10 BU**	3213143	10
Ground terminal	green-yellow			



Technical data

Width	Length	Height NS 35/7,5	
20.3	**88.5**	**80**	
Width	Length	Height NS 35/15	
20.3	**88.5**	**87.5**	
Width	Length	Height NS 32	
20.3	**88.5**	**85**	
		max. Ø [mm²]	AWG (UL)
		16 - 95	**-**

IEC 60947-7-2 IEC	UL	CSA	IEC/ EN 60079-7
-	-	-	-
- / 70	- / -	- / -	-
70	-	-	-
4 - 3/0	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
16 - 95	25 - 70	16 - 70	16 - 70
-	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
1.5 - 16	1.5 - 10	1.5 - 10	1.5 - 6
-	-	-	-

Ordering data

Type	Order No.	Pcs./Pkt.
UKH 70/4X10-PE	3213144	10

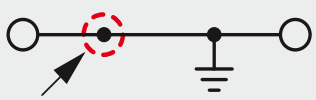
95 mm² UKH screw connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	95			
Cross section range	AWG	4 - 3/0			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	25 - 95	35 - 95	35 - 95	35 - 95
2 conductors (of the same type)	[mm²]	25 - 35	25 - 35	16 - 35	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
Max. cross section with insertion bridge	[mm²]	95	70	-	-
General data					
Stripping length	[mm]	33			
Screw thread		M8			
Tightening torque	[Nm]	15 - 20			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



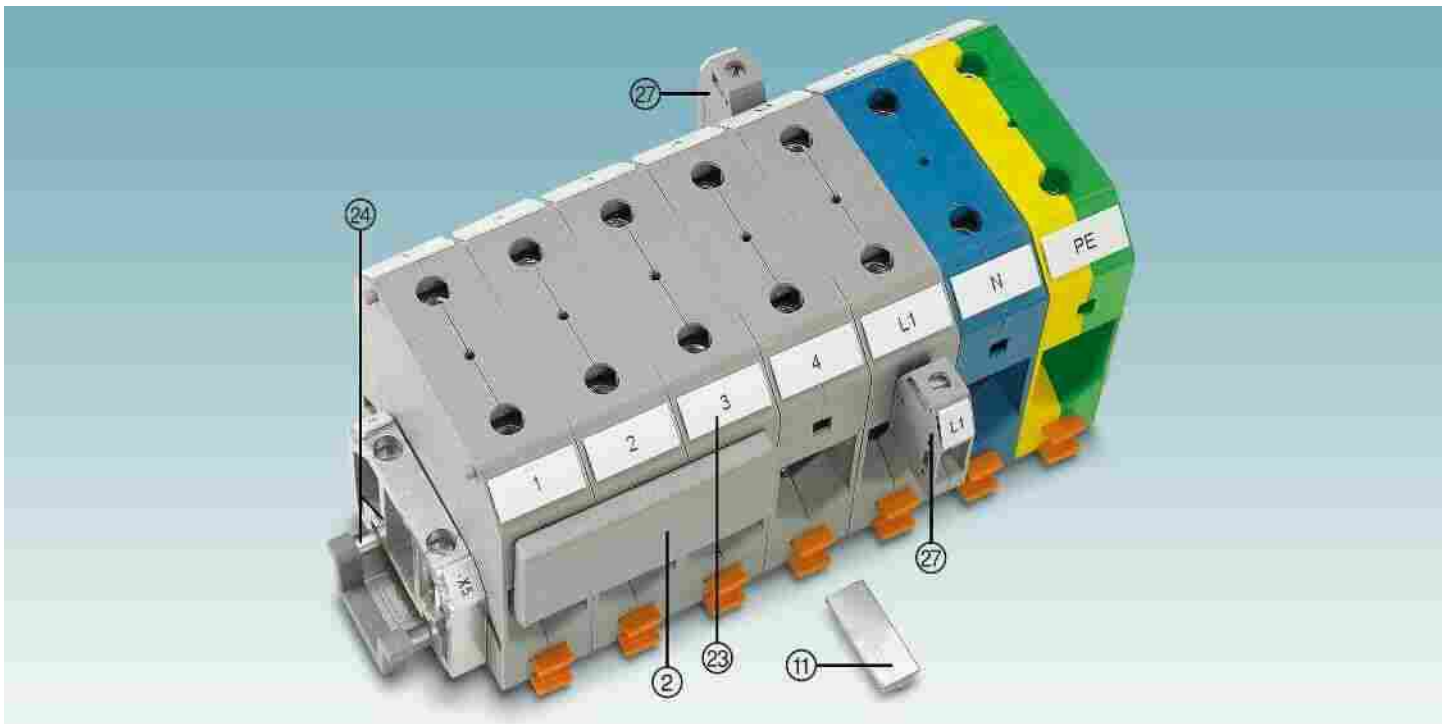
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.
② **Insertion bridge**[1])	2	gray	**EB 2-25/UKH**	0201362	10
	3	gray	**EB 3-25/UKH**	0201375	10
Insertion profile for flat conductor connection, see page 682		silver	**UKH 95 EP**	3009231	10
Tap-off terminal block		gray	**AGK 10-UKH 95**	3003541	10
Allen key			**SF-THEX 6-200**	1212642	5

Type	Order No.	Pcs./Pkt.

Lateral groove labeling
DIN rail and end bracket
For full accessories, visit phoenixcontact.net/products

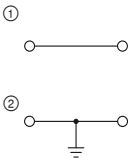
UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 3, selection tables, from page 60.
See Catalog 3
Note: Additional or deviating accessories are listed alongside the respective product.

High-current terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 194.

For information on installation and using accessories for Ex applications, see page 678.



232 A, feed-through terminal block

Ex: EAC Ex
KEMA 98ATEX1786U / IECEx KEM 06.0029U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**25**	**83**	**97.5 (NS 35/15) / 95 (NS 32)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		232	**1000**	**25 - 95**	**2**
Maximum bridge current	[A]	232			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	880
Nominal current / cross section	[A] / [mm²]	232 / 95	230 / -	200 / -	216 / 95

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UKH 95**	①	3010013	3
	blue	**UKH 95 BU**	①	3010136	3
Terminal block, voltage 1500 V	gray	**UKH 95 1500V**	①	3247419	3
	blue	**UKH 95 1500V BU**	①	3247420	3
Ground terminal	green-yellow	**USLKG 95**	②	0441041	10

High-current terminal blocks for direct mounting

Notes:

[1]) For additional accessories and technical data, see page 194.

232 A, feed-through terminal block for direct mounting

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**25**	**118.8**	**90**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		232	**1000**	**25 - 95**	**2**
Maximum bridge current	[A]	232			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	-	-
Nominal current / cross section	[A] / [mm²]	232 / 95	230 / -	- / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, for direct mounting	gray	**UKH 95-F**	①	3247022	10

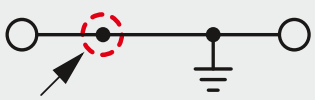
150 mm² UKH screw connection terminal blocks

General technical data

Rated data		IEC 60947-7-1			
Rated cross section	[mm²]	150			
Cross section range	AWG	2 - 300 kcmil			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	35 - 150	50 - 150	50 - 150	50 - 150
2 conductors (of the same type)	[mm²]	25 - 50	35 - 50	25 - 50	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
Max. cross section with insertion bridge	[mm²]	150	120	-	-
General data					
Stripping length	[mm]	40			
Screw thread		M10			
Tightening torque	[Nm]	25 - 30			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



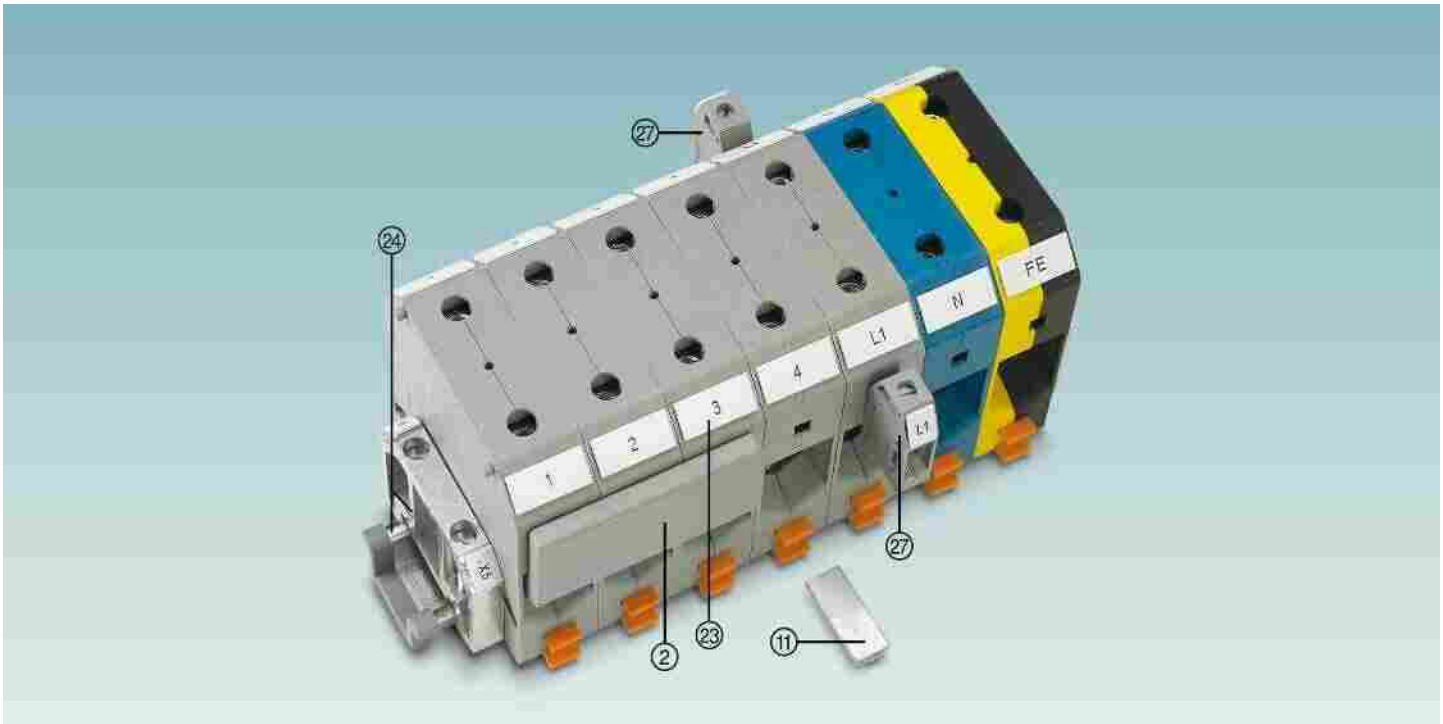
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
② **Insertion bridge**[1])	2	gray	**EB 2-31/UKH**	0201388	10			
	3	gray	**EB 3-31/UKH**	0201391	10			
Insertion profile for flat conductor connection, see page 682		silver	**UKH 150/240 EP**	3009244	10			
Tap-off terminal block		gray	**AGK 10-UKH 150/240**	3003554	10			
Allen key			**SF-THEX 8-200**	1212643	5			

Lateral groove labeling

DIN rail and end bracket

For full accessories, visit phoenixcontact.net/products

UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 3, selection tables, from page 60.

See Catalog 3

Note: Additional or deviating accessories are listed alongside the respective product.

High-current terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 196.

For information on installation and using accessories for Ex applications, see page 678.

309 A, feed-through terminal block

EAC

Ex: EAC Ex
KEMA 99ATEX8332 U / IECEx KEM 06.0030U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**31**	**100**	**118.5 (NS 35/15) / 116 (NS 32)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		309	**1000**	**35 - 150**	**2-300**
Maximum bridge current	[A]	232			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	1100
Nominal current / cross section	[A] / [mm²]	309 / 150	285 / -	275 / -	256 / 150

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UKH 150**	①	3010110	3
	blue	**UKH 150 BU**	①	3010123	3
Terminal block, voltage 1500 V	gray	**UKH 150 1500V**	①	3247433	3
	blue	**UKH 150 1500V BU**	①	3247434	3

High-current terminal blocks for direct mounting

Notes:

[1]) For additional accessories and technical data, see page 196.

309 A, feed-through terminal block for direct mounting

EAC

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**31**	**136.1**	**111**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		309	**1000**	**35 - 150**	**2-300**
Maximum bridge current	[A]	232			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	-	-
Nominal current / cross section	[A] / [mm²]	309 / 150	285 / -	- / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, for direct mounting	gray	**UKH 150-F**	①	3247035	10

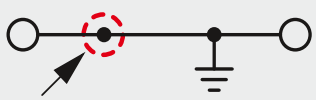
240 mm² UKH screw connection terminal blocks

General technical data

Rated data		IEC 60947-7-1			
Rated cross section	[mm²]	240			
Cross section range	AWG	2/0 - 500 kcmil			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	70 - 240	70 - 240	70 - 185	70 - 185
2 conductors (of the same type)	[mm²]	35 - 95	50 - 95	35 - 50	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
Max. cross section with insertion bridge	[mm²]	240	185	-	-
General data					
Stripping length	[mm]	40			
Screw thread		M10			
Tightening torque	[Nm]	25 - 30			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



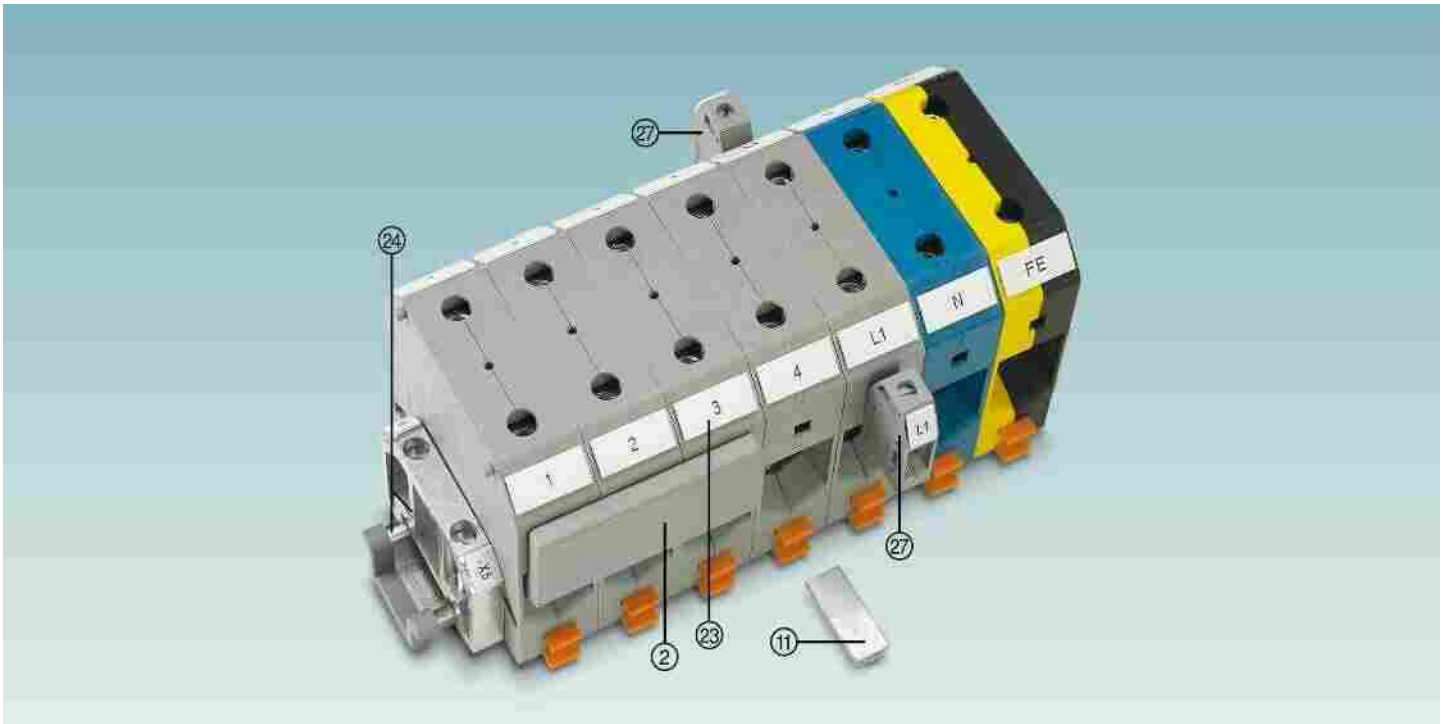
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
② **Insertion bridge**[1])	2	gray	**EB 2-36/UKH**	0201401	10			
	3	gray	**EB 3-36/UKH**	0201414	10			
Insertion profile for flat conductor connection, see page 682		silver	**UKH 150/240 EP**	3009244	10			
Tap-off terminal block		gray	**AGK 10-UKH 150/240**	3003554	10			
Allen key			**SF-THEX 8-200**	1212643	5			

Lateral groove labeling

DIN rail and end bracket

For full accessories, visit phoenixcontact.net/products

UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 3, selection tables, from page 60.

See Catalog 3

Note: Additional or deviating accessories are listed alongside the respective product.

High-current terminal blocks

Notes:
1) For additional accessories and technical data, see page 198.
For information on installation and using accessories for Ex applications, see page 678.

415 A, feed-through terminal block

EAC

Ex: EAC Ex
KEMA 99ATEX8332 U / IECEx KEM 06.0030U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**36**	**100**	**131.5 (NS 35/15) / 129 (NS 32)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		415	**1000**	**70 - 240**	**500**
Maximum bridge current	[A]	382			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	1100
Nominal current / cross section	[A] / [mm²]	415 / 240	380 / -	400 / -	350 / 240

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UKH 240**	①	3010217	3
	blue	**UKH 240 BU**	①	0711852	3

High-current terminal blocks for direct mounting

Notes:
1) For additional accessories and technical data, see page 198.

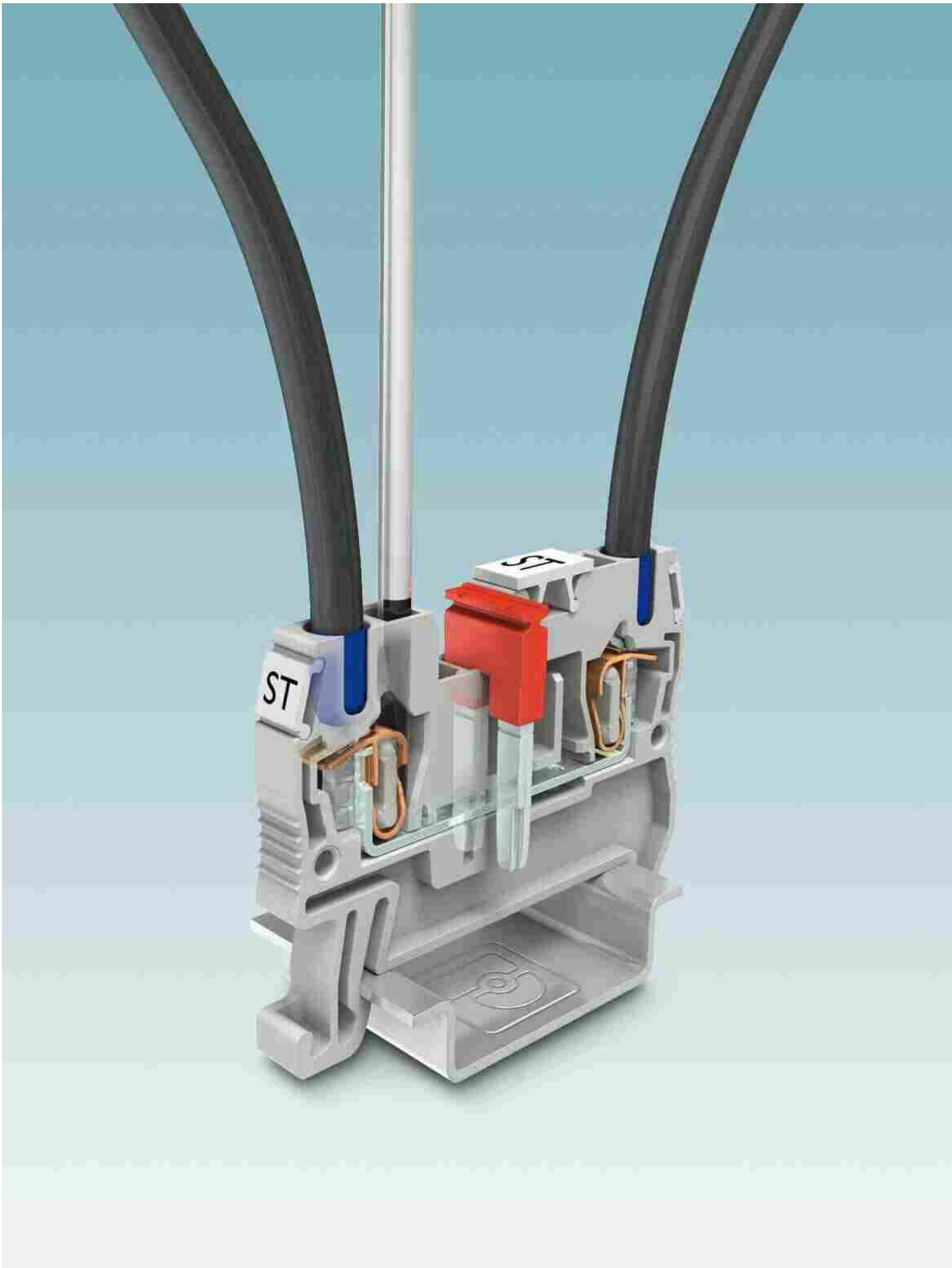
415 A, feed-through terminal block for direct mounting

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**36**	**136.1**	**124**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		415	**1000**	**70 - 240**	**500**
Maximum bridge current	[A]	382			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	-	-
Nominal current / cross section	[A] / [mm²]	415 / 240	380 / -	- / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, for direct mounting	gray	**UKH 240-F**	①	3247048	10


ST
ST

ST spring-cage connection terminal blocks

The ST spring-cage connection terminal blocks from the CLIPLINE complete system have been developed for universal spring-loaded conductor contacting. The high contact force guarantees a vibration-proof, gas-tight connection with long-term stability.

The compact front connection ensures easy operation. The terminal point is opened using a standard screwdriver. After the conductor has been inserted into the clamping space, the screwdriver is removed and the conductor automatically makes contact.

All types of copper wires up to 35 mm² can be clamped without any pretreatment.

Spring-cage connection terminal blocks offer a large insertion space, which means that conductors with a nominal cross section can be wired both with and without ferrules.

Your web code: #1396

Product range overview

1.5 mm²

Feed-through, multi-conductor, multi-level, and ground terminal blocks **207**

2.5 mm²

Feed-through, multi-conductor, multi-level, and ground terminal blocks **211**

Initiator/actuator terminal blocks **214**

Disconnect and knife disconnect terminal blocks **216**

Diode terminal blocks **218**

Hybrid terminal blocks with screw connection on one side **220**

Desk-design terminal blocks **221**

Desk-design disconnect and knife disconnect terminal blocks **222**

Mini terminal blocks **222**

4 mm²

Feed-through, multi-conductor, multi-level, and ground terminal blocks **229**

Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape **231**

Disconnect and knife disconnect terminal blocks **232**

Diode terminal blocks **232**

Hybrid terminal blocks with screw connection on one side **233**

Desk-design terminal blocks **233**

Desk-design disconnect and knife disconnect terminal blocks **235**

6 mm²

Feed-through, multi-conductor, and ground terminal blocks **237**

Test disconnect terminal blocks **237**

Diode terminal blocks **239**

Desk-design terminal blocks **239**

10 mm²

Feed-through, multi-conductor, and ground terminal blocks **243**

Hybrid terminal blocks with screw connection on one side **244**

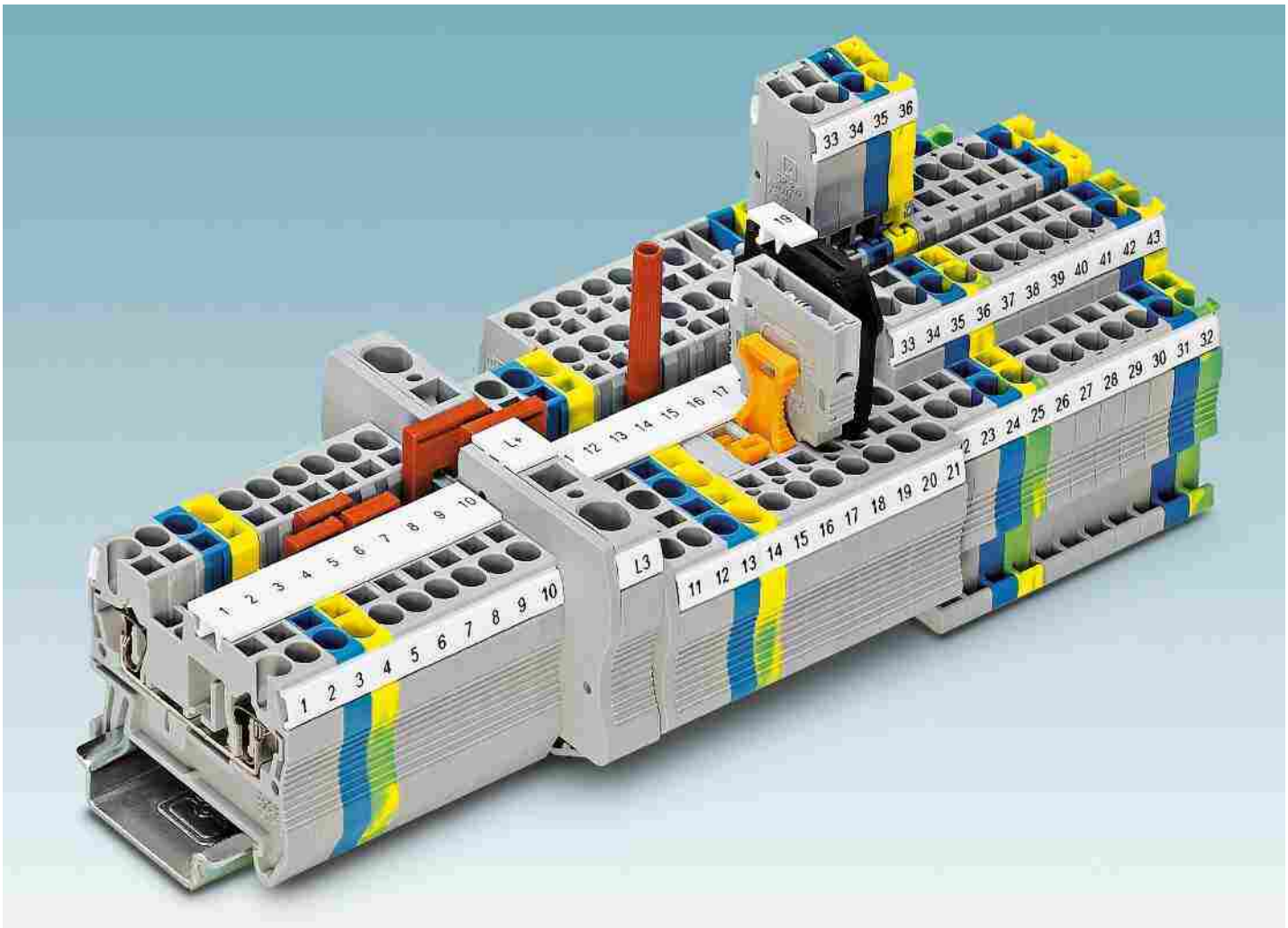
16 mm²

Feed-through, multi-conductor, and ground terminal blocks **247**

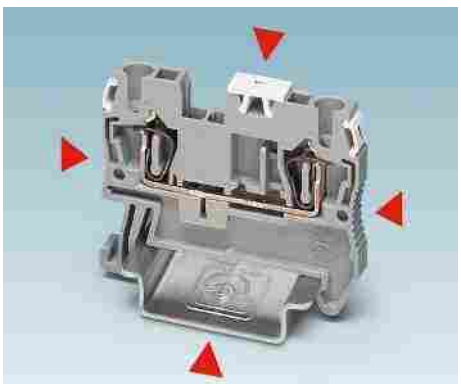
35 mm²

Feed-through and ground terminal blocks **249**

Hybrid terminal blocks with screw connection on one side **249**

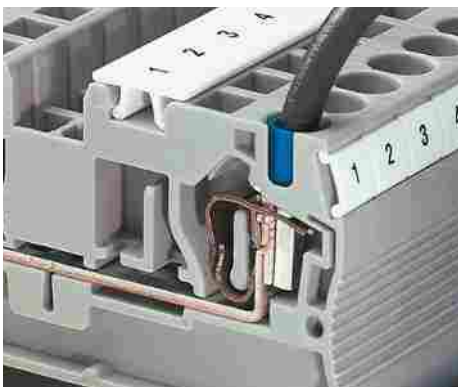


Your web code: #1396



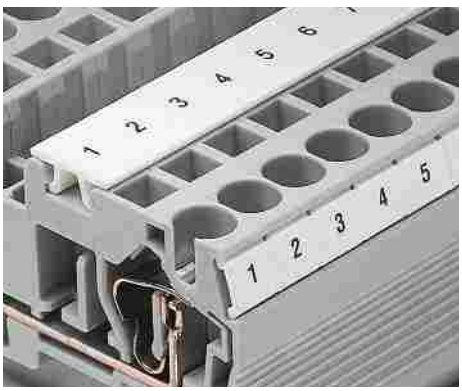
Space-saving design

Thanks to the space-saving design and conductor insertion from above, ST spring-cage terminal blocks are ideal for control systems where limited space is available.



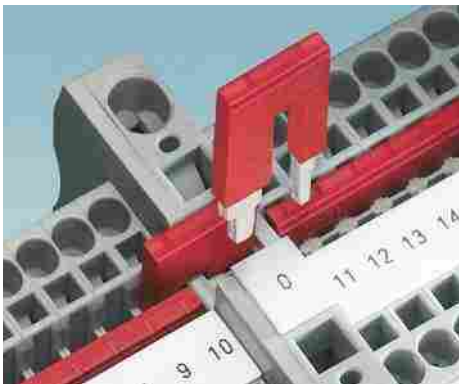
Maximum connection space

Thanks to their maximum wiring space, miniature spring-cage terminal blocks offer a quick means of wiring rigid and flexible conductors, even for conductors with the nominal cross section and pre-assembled ferrule.

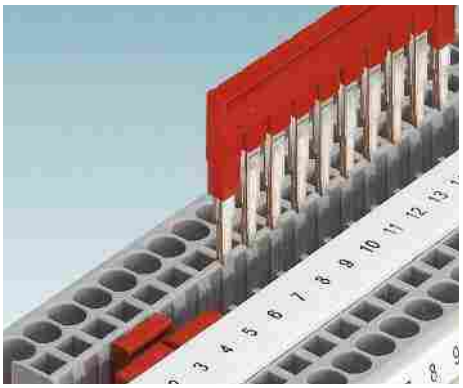


Large-surface labeling

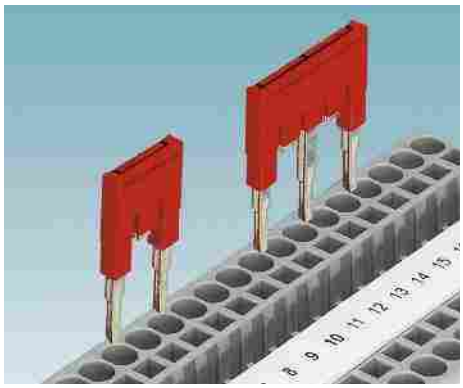
Large and clear marking of the terminal points is essential for reliable and quick installation. In addition to this, each terminal point can be labeled separately.



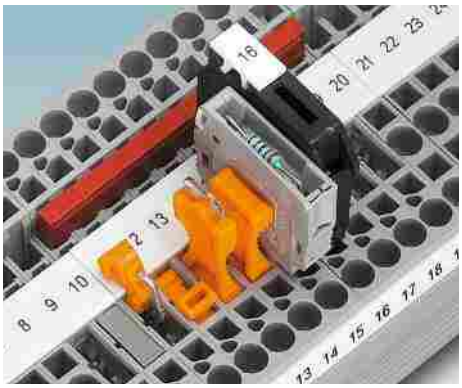
The reducing bridge allows terminal blocks with different nominal cross sections to be connected easily. The reducing bridge can be used to quickly create power blocks, e.g., an ST 10 spring-cage terminal block with an ST 2.5 or ST 4.



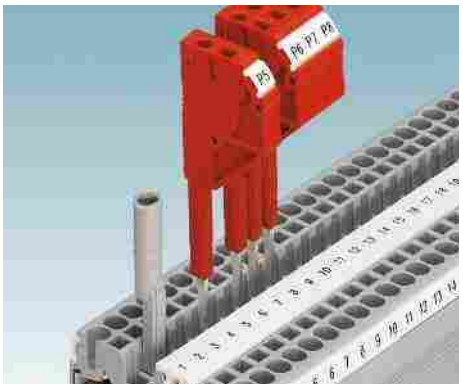
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2- to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



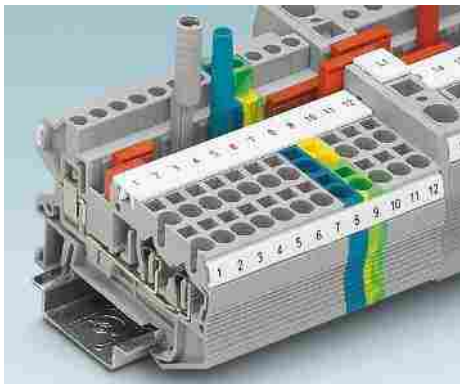
Bridging between non-adjacent terminal blocks is established by removing individual contact tabs from the standard bridge. Two potentials can then be routed in parallel through a terminal strip. The contact points can also be marked.



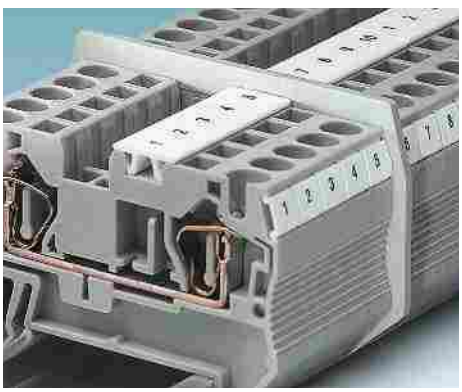
The isolated feed-through connector P-FIX, isolating connector P-DI, component connector P-CO and the cartridge fuse connector P-FU can be used in the universal plug-in zone of the disconnect terminal block.



For measuring lines, a test plug with 2.3 mm diameter is available. All measurement and testing tasks can be carried out quickly using test adapters for 4 mm diameter test plugs and the alignable test plugs.

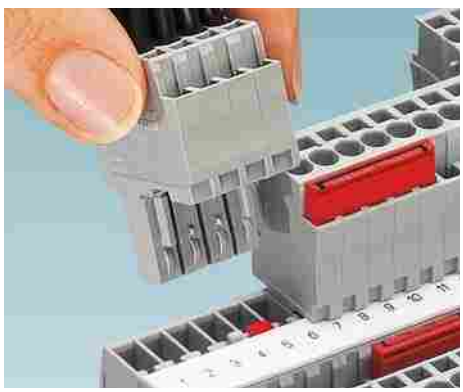


The hybrid versions combine the benefits of the spring-cage connection method with those of the universal screw connection.



The partition plates protrude beyond the terminal block contours. They provide visual as well as electrical group separation.

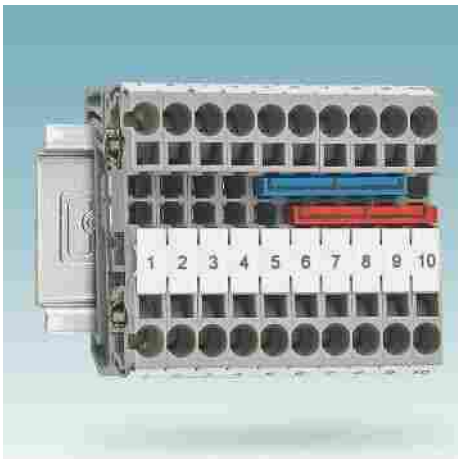
Cover segments are used to cover protruding terminal block segments of three- or four-conductor terminal blocks, when adding two-conductor terminal blocks. Fingers are thereby protected from contact.



ST-COMBI terminal blocks are available for creating plug-in signal and power wiring. The system is of a touch-proof design and offers plugs for self-assembly with extensive accessories. See “COMBI” section, page 267.

ST spring-cage connection terminal blocks

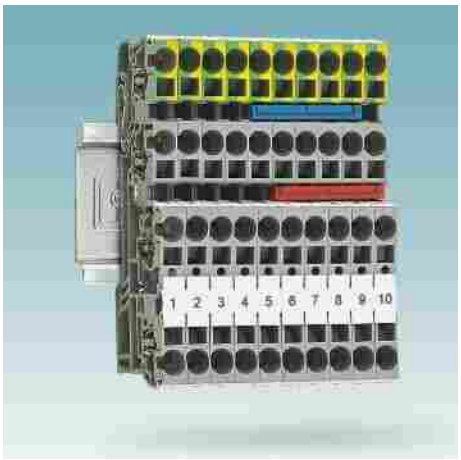
ST ... feed-through, multi-conductor, and multi-level terminal blocks



- Convenient operation, thanks to front connection
- Space saving, thanks to the compact design
- Optimum overview, thanks to large marking areas

Your web code: #0061

STIO ... three-conductor initiator/ actuator terminal blocks



- A wide range of products, thanks to versions with PE function or LED display
- Optimum overview of signal connections, thanks to a variety of marking options
- Modular expansion up to a maximum of 50 positions, as power terminals are the same shape
- Power fed-in or power-line extended via terminals
- Potential supply via the STIO-IN power terminals

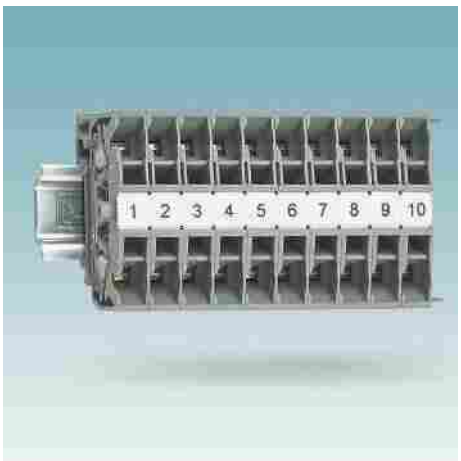
Your web code: #0062

ST ... disconnect and knife disconnect terminal blocks

- Convenient separation of circuits using lever-type disconnect knife, isolating plug or rotary contact
- User-friendly current measurement, thanks to testing facility either side of the disconnect point
- Safe operation as the disconnect lever is locked in the end positions
- Individual assembly with disconnect element, fuse plug, component connector, and feed-through connector

Your web code: #0063

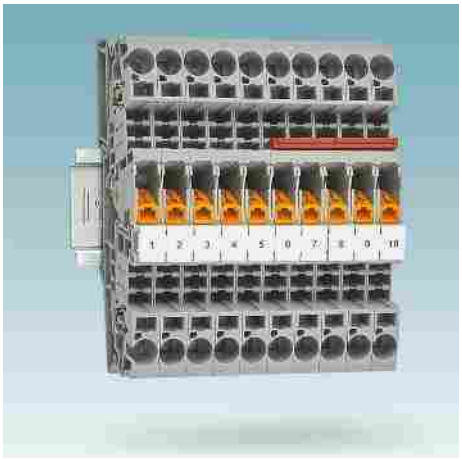
MSB ... miniature terminal blocks



- Space saving, thanks to compact design and mounting option on a 15 mm DIN rail
- Horizontal connection for particularly flat inserts
- Vertical connection in confined spaces
- Clear, as all terminal points are marked

Your web code: #0067

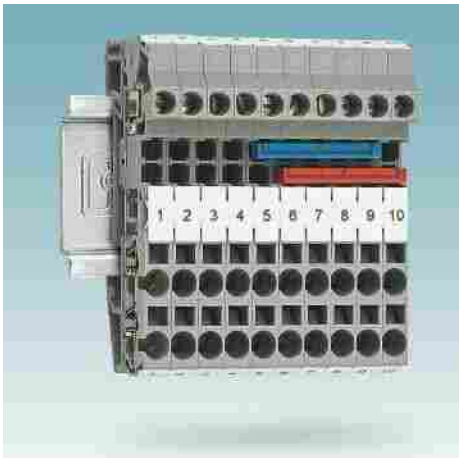
STME ... test disconnect terminal blocks



- Easy and safe operation, thanks to clear indication of switching states
- Maximum functionality, up to six universal function shafts for potential distribution or for test purposes
- Modular expansion, thanks to feed-through terminal blocks and ground terminals of the same shape
- Modular design of transformer circuits, thanks to plug-in test disconnect terminal blocks

Your web code: #0064

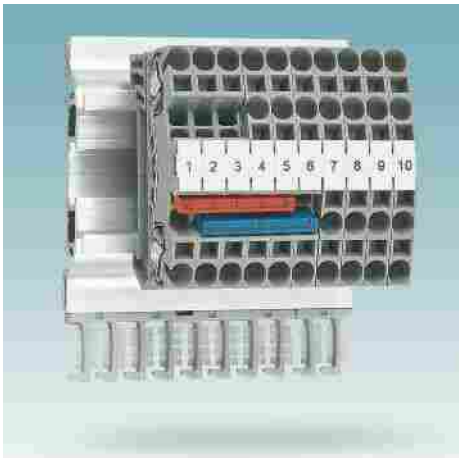
STU ... hybrid terminal blocks



- Meet requirements for internal and external wiring at the same time as different connection methods are integrated in a single terminal block
- Free choice of connection technology, thanks to two combination options
- Space saving, thanks to the compact design
- Uniform distances from cable ducts
- Feed-through and ground terminal blocks of the same shape

Your web code: #0065

STS ... desk-design terminal blocks



- Angled design enables minimized bending radii for better conductor routing
- Designed for use on wiring frames instead of typical channel wiring
- Two, three, and four-conductor terminal blocks with the same contour
- Universal disconnect zone for also accommodating isolating plugs, feed-through connectors, component connectors, and fuse plugs

Your web code: #0061

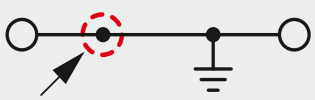
1.5 mm² ST spring-cage connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	1.5			
Cross section range	AWG	28 - 16			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1.5
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



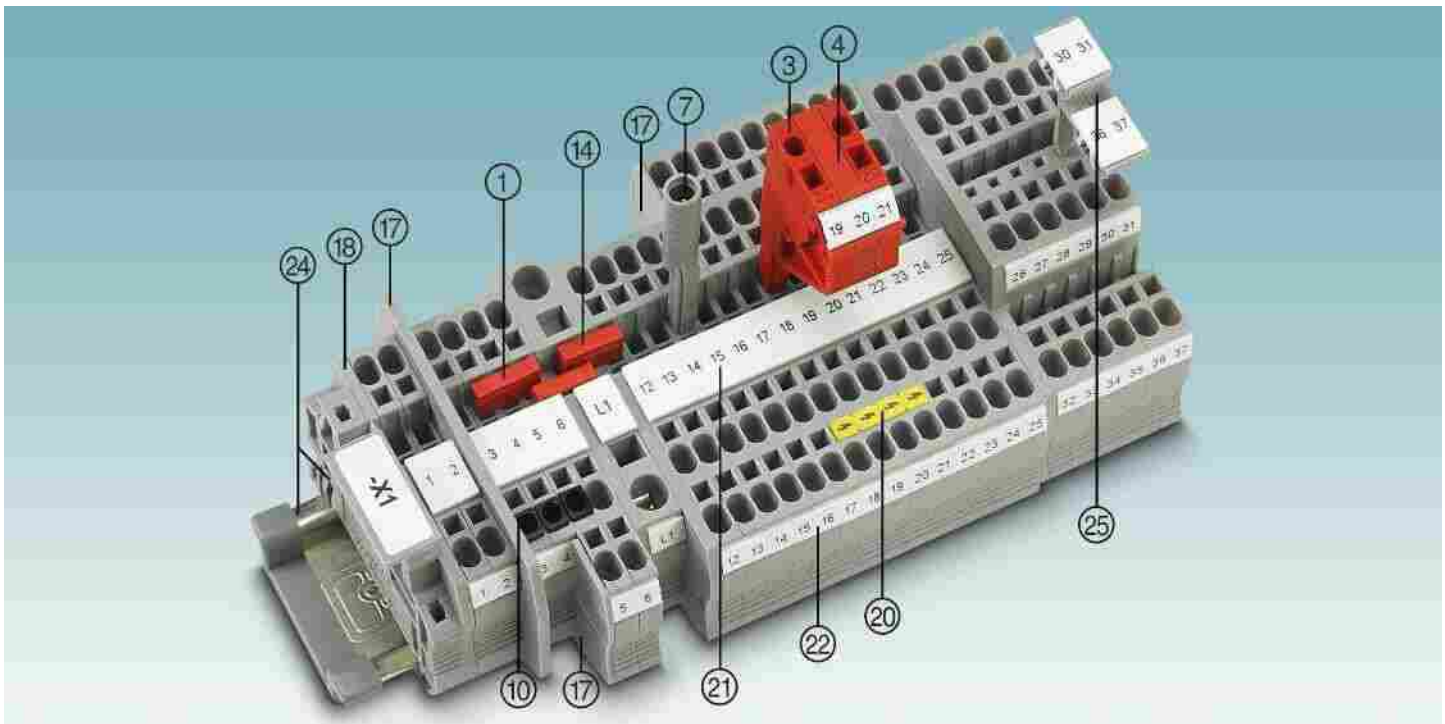
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-4**	3030116	50			
	3	red	**FBS 3-4**	3030129	50			
	4	red	**FBS 4-4**	3030132	50			
	5	red	**FBS 5-4**	3030145	50			
	10	red	**FBS 10-4**	3030158	10			
	20	red	**FBS 20-4**	3030352	10			
③ **Modular test plug**		red	**PS-4**	3030970	10			
Spacer plate		red	**DP PS-4**	3036712	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Insulating sleeve		white	**ISH 1,5/0,2**	3206131	50			
0.25 - 0.5 mm²		gray	**ISH 1,5/0,5**	3031034	50			
Screwdriver			**SZF 0-0,4X2,5**	1204504	10			

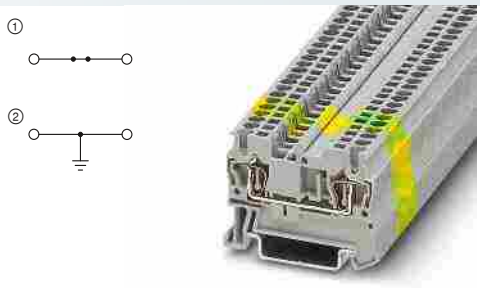
Reducing bridge	**For RB ..., see page 408.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Center groove labeling	**UC-TM 4, UCT-TM 4 or ZB 4. See also Catalog 3, selection tables from page 60.**
Center and side groove labeling	**UC-TMF 4, UCT-TMF 4 or ZBF 4. See also Catalog 3, selection tables from page 60.**
DIN rail and end bracket	**See Catalog 3**
Marker carrier	**For STP ..., see page 418.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 206.

For information on installation and using accessories for Ex applications, see page 678.



17.5 A, feed-through terminal block

Ex: EAC Ex
KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Technical data[1])

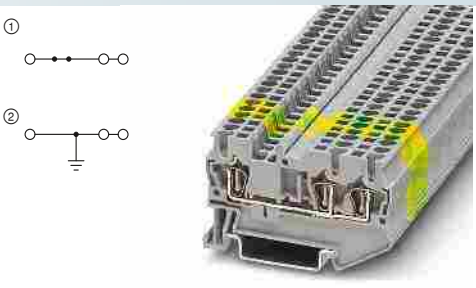
Dimensions		Width	Length	Height	
	[mm]	4.2	48.5	36.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	500	0.08 - 1.5	26-14
Maximum bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	300	440
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	17.5 / 1.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**ST 1,5**	①	3031076	50
	blue	**ST 1,5 BU**	①	3031089	50
Ground terminal	green-yellow	**ST 1,5-PE**	②	3031513	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-ST 2,5**	3030417	50



17.5 A, feed-through terminal block, 3 connections

Ex: EAC Ex
KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	4.2	60.5	36.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	500	0.08 - 1.5	26-14
Maximum bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	300	440
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	17.5 / 1.5

Ordering data

Type		Order No.	Pcs./Pkt.
ST 1,5-TWIN	①	3031128	50
ST 1,5-TWIN BU	①	3031131	50
ST 1,5-TWIN-PE	②	3031144	50

Accessories[1])

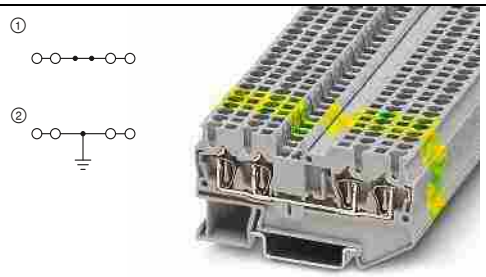
D-ST 2,5-TWIN	3030488	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 206.

For information on installation and using accessories for Ex applications, see page 678.



17.5 A, feed-through terminal block, 4 connections

Ex: EAC Ex
KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Technical data[1])

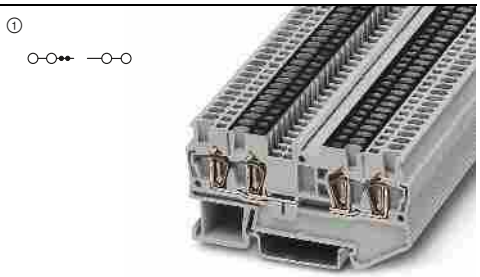
Dimensions		Width	Length	Height	
	[mm]	4.2	72	36.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	500	0.08 - 1.5	26-14
Maximum bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	300	440
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	17.5 / 1.5
General data					
Stripping length	[mm]	8 - 10			

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**ST 1,5-QUATTRO**	①	3031186	50
	gray				
	blue	**ST 1,5-QUATTRO BU**	①	3031199	50
Ground terminal	green-yellow	**ST 1,5-QUATTRO-PE**	②	3031209	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-ST 2,5-QUATTRO**	3030514	50



17.5 A, feed-through terminal block, 4 connections, with interrupted current bar

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	4.2	72	36.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	500	0.08 - 1.5	26-14
Maximum bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	300	-	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	- / -	- / -
General data					
Stripping length	[mm]	10			

Ordering data

Type		Order No.	Pcs./Pkt.
ST 1,5-QUATTRO-U	①	3038600	50

Accessories[1])

D-ST 2,5-QUATTRO	3030514	50

1.5 mm² ST spring-cage connection terminal blocks

Feed-through, multi-conductor, multi-level, and ground terminal blocks

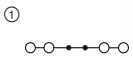
Notes:

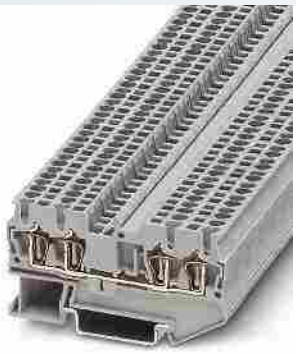
[1]) For additional accessories and technical data, see page 206.

ISH... insulating sleeves and PS ... and PAI ... test accessories cannot be used with the ST 1,5/S-QUATTRO.

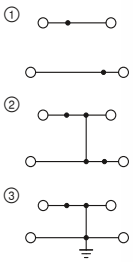
For 1 mm² conductors with ferrule and plastic sleeve, using the AI-S 1-8 TQ ferrule is recommended, Order No. 1200293.

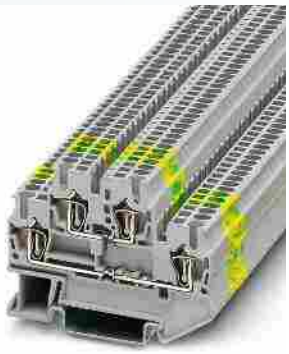
For information on installation and using accessories for Ex applications, see page 678.





17.5 A, feed-through terminal block, 4 connections





17.5 A, double-level terminal block

EAC

EAC

Ex: EAC Ex
KEMA 01ATEX2129 U / IECEx KEM 06.0043U

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**3.5**	**72**	**32 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	17.5	**500**	**0.08 - 1.5**	**28-16**
Maximum bridge current [A]	17.5			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	17.5 / 1.5	10 / -	10 / -	- / -
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	-
General data				
Stripping length [mm]	8			

Technical data[1])				
Width	Length	Height		
4.2	**67.5**	**47.5 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
17.5	**500**	**0.08 - 1.5**	**26-14**	
15				
IEC	UL / CUL	CSA	Ex	
500	300	300	440	
17.5 / 1.5	15 / -	15 / -	17.5 / 1.5	
Rigid	Flexible	Ferrule without/with plastic sleeve		
0.08 - 1.5	0.08 - 1.5	0.14 - 1.5	0.14 - 1.5	
-	-	-	0.5	
10				

Description	No. of pos.	Color	Ordering data Type		Order No.	Pcs./Pkt.
Terminal block		gray	**ST 1,5/S-QUATTRO**	①	3213124	50
		blue				
With potential distribution		gray				
Ground terminal		green-yellow				

Ordering data Type		Order No.	Pcs./Pkt.
STTB 1,5	①	3031157	50
STTB 1,5 BU	①	3031160	50
STTB 1,5-PV	②	3031526	50
STTB 1,5-PE	③	3036013	50

Accessories[1])				
Cover, width: 2.2 mm		gray	**D-ST 1,5/S-QUATTRO**	3213166	50
Plug-in bridge					
	2	red	**FBS 2-3,5**	17.5 A	3213014	50
	3	red	**FBS 3-3,5**	17.5 A	3213027	50
	4	red	**FBS 4-3,5**	17.5 A	3213030	50
	5	red	**FBS 5-3,5**	17.5 A	3213043	50
	10	red	**FBS 10-3,5**	17.5 A	3213056	50

Accessories[1])			
D-STTB 2,5	3030459	50

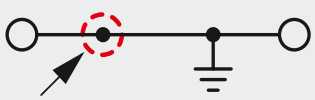
2.5 mm² ST spring-cage connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	2.5			
Cross section range	AWG	28 - 12			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



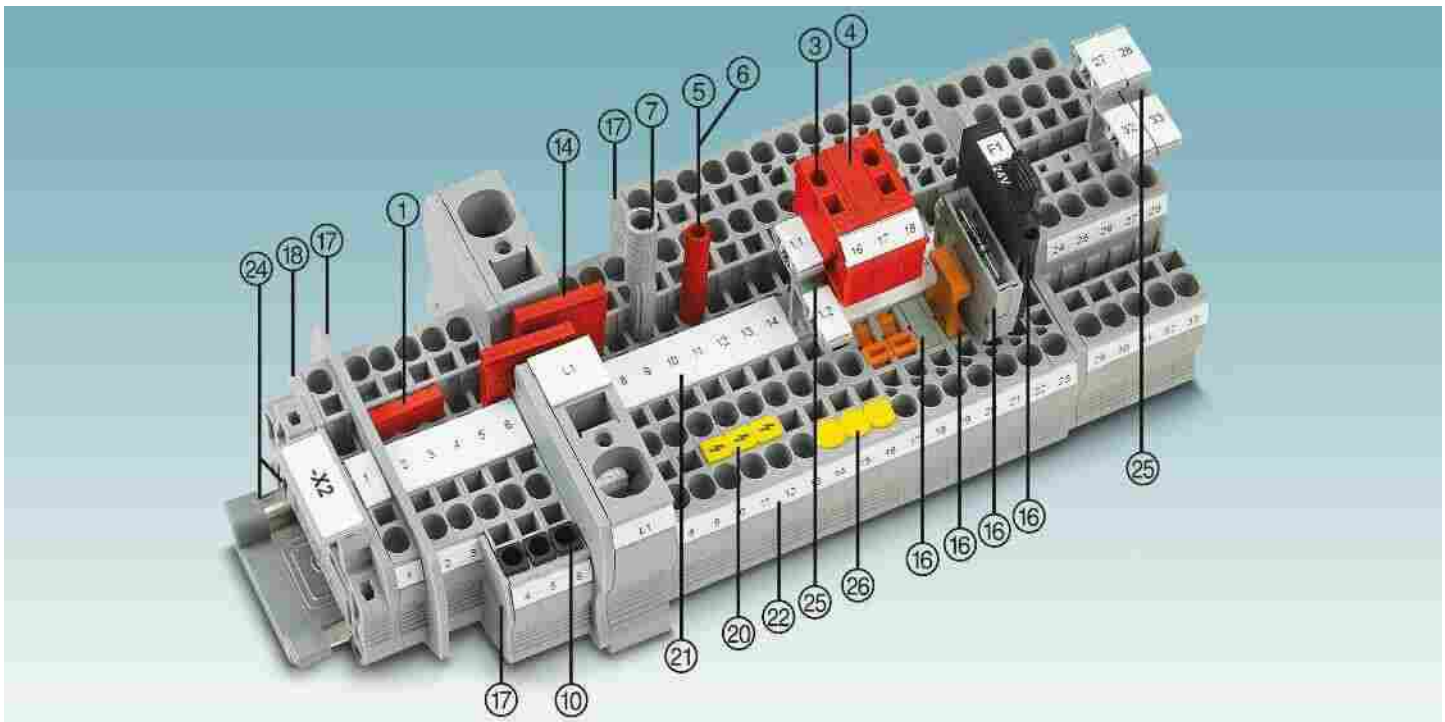
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-5**	3030161	50	**FBSR 2-5**	3033702	50
	3	red	**FBS 3-5**	3030174	50	**FBSR 3-5**	3001591	50
	4	red	**FBS 4-5**	3030187	50	**FBSR 4-5**	3001592	50
	5	red	**FBS 5-5**	3030190	50	**FBSR 5-5**	3001593	50
	10	red	**FBS 10-5**	3030213	10	**FBSR 10-5**	3033710	10
	20	red	**FBS 20-5**	3030226	10			
③ **Modular test plug**		red	**PS-5**	3030983	10			
Spacer plate		red	**DP PS-5**	3036725	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Insulating sleeve		white	**ISH 2,5/0,2**	3002843	50			
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**	3002856	50			
0.75 - 1 mm²		black	**ISH 2,5/1,0**	3002869	50			
Screwdriver			**SZF 1-0,6X3,5**	1204517	10			

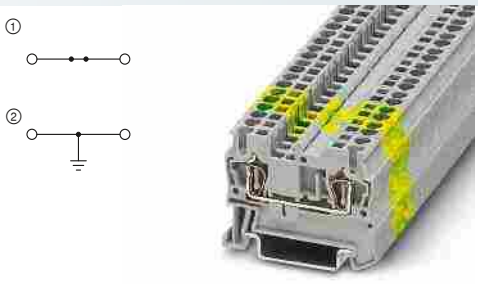
Reducing bridge	**For RB ..., see page 408.**
Fuse and function plugs for disconnect terminal blocks	**For P-FU ... / P-DI / P-FIX / P-CO ..., see from page 414.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
Marker carrier	**For STP ..., see page 418.**
Cover for conductor shaft	**For CEC ..., see page 421.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.

For information on installation and using accessories for Ex applications, see page 678.



31 A, feed-through terminal block

Ex: EAC Ex
KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data[1])

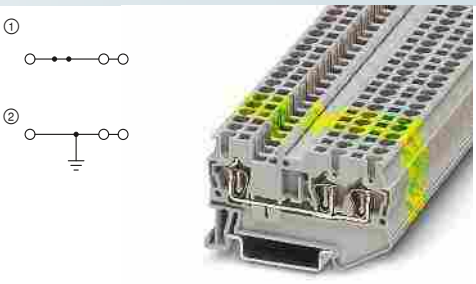
Dimensions	Width	Length	Height	
[mm]	**5.2**	**48.5**	**36.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	31	**800**	**0.08 - 4**	**28-12**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	21 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**ST 2,5**	①	3031212	50
	blue	**ST 2,5 BU**	①	3031225	50
Ground terminal	green-yellow	**ST 2,5-PE**	②	3031238	50

Accessories[1])

Cover, width: 2.2 mm gray	**D-ST 2,5**	3030417	50



28 A, feed-through terminal block, 3 connections

Ex: EAC Ex
KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data[1])

Dimensions	Width	Length	Height	
[mm]	**5.2**	**60.5**	**36.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	28	**800**	**0.08 - 4**	**28-12**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	21.5 / 2.5

Ordering data

Type		Order No.	Pcs./Pkt.
ST 2,5-TWIN	①	3031241	50
ST 2,5-TWIN BU	①	3031254	50
ST 2,5-TWIN-PE	②	3031267	50

Accessories[1])

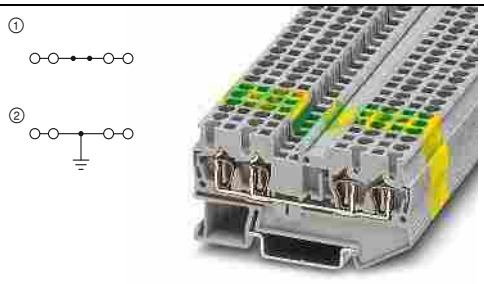
D-ST 2,5-TWIN	3030488	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.

For information on installation and using accessories for Ex applications, see page 678.



28 A, feed-through terminal block, 4 connections

Ex: EAC Ex
KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data[1])

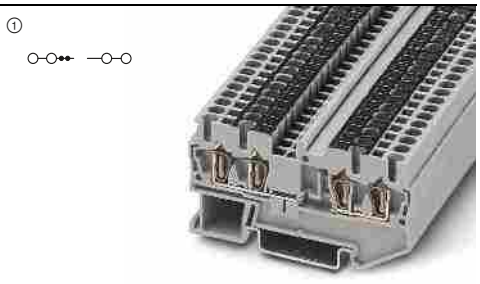
Dimensions	Width	Length	Height	
[mm]	**5.2**	**72**	**36.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	28	**800**	**0.08 - 4**	**28-12**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	22 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**ST 2,5-QUATTRO**	①	3031306	50
with interrupted current bar	gray				
	blue	**ST 2,5-QUATTRO BU**	①	3031319	50
Ground terminal	green-yellow	**ST 2,5-QUATTRO-PE**	②	3031322	50

Accessories[1])

Cover, width: 2.2 mm gray	**D-ST 2,5-QUATTRO**	3030514	50



28 A, feed-through terminal block, 4 connections, with interrupted current bar

Technical data[1])

Dimensions	Width	Length	Height	
[mm]	**5.2**	**72**	**36.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	28	**800**	**0.08 - 4**	**28-12**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	-
Nominal current / cross section [A] / [mm²]	22 / 2.5	20 / -	20 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
ST 2,5-QUATTRO-U	①	3031636	50

Accessories[1])

D-ST 2,5-QUATTRO	3030514	50

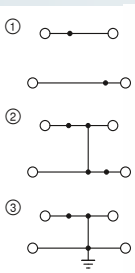
2.5 mm² ST spring-cage connection terminal blocks

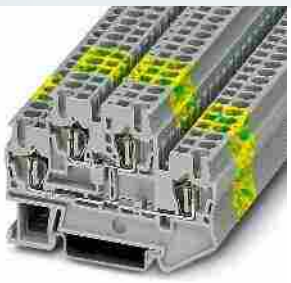
Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

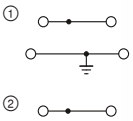
[1]) For additional accessories and technical data, see page 210.

For information on installation and using accessories for Ex applications, see page 678.





26 A, double-level terminal block



32 A, double-level ground terminal block

Ex: EAC Ex
KEMA 00ATEX2052U / IECEx KEM 06.0051U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**67.5**	**47.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		26	**500**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	300	440
Nominal current / cross section	[A] / [mm²]	22 / 2.5	20 / -	20 / -	19.5 / 2.5

Technical data[1])

		Width	Length	Height	
		5.2	**67.5**	**47.5 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**500**	**0.08 - 4**	**28-12**
		20 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		500	600	300	-
		22 / 2.5	20 / -	20 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**STTB 2,5**	①	3031270	50
	blue	**STTB 2,5 BU**	①	3031283	50
With potential distribution	gray	**STTB 2,5-PV**	②	3031539	50
	blue	**STTB 2,5-PV BU**	②	3035108	50
Ground terminal	green-yellow	**STTB 2,5-PE**	③	3036026	50
Terminal block	gray-yellow-green				
	gray				
	gray				

Ordering data

Type		Order No.	Pcs./Pkt.
STTB 2,5-PE/L	①	3036314	50
STTB 2,5-PE/N	①	3036327	50
STTB 2,5-L/N	②	3036330	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-STTB 2,5**	3030459	50

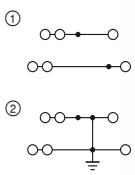
Accessories[1])

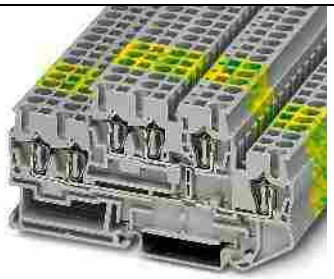
D-STTB 2,5	3030459	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

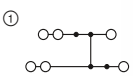
Notes:

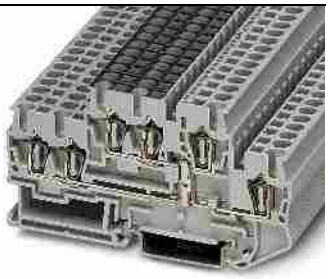
[1]) For additional accessories and technical data, see page 210.





26 A, feed-through terminal block, 3 connections per level





26 A, feed-through terminal block, with equipotential bonding

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**91.5**	**47.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		26	**500**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	22 / 2.5	20 / -	20 / -	- / -

Technical data[1])

		Width	Length	Height	
		5.2	**91.5**	**47.5 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		26	**500**	**0.08 - 4**	**28-12**
		20 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		500	600	300	-
		22 / 2.5	20 / -	20 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**STTB 2,5-TWIN**	①	3038516	50
	blue	**STTB 2,5-TWIN BU**	①	3038529	50
	gray				
Ground terminal	green-yellow	**STTB 2,5-TWIN-PE**	②	3038532	50

Ordering data

Type		Order No.	Pcs./Pkt.
STTB 2,5-TWIN-PV	①	3038545	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-STTB 2,5-TWIN**	3038558	50

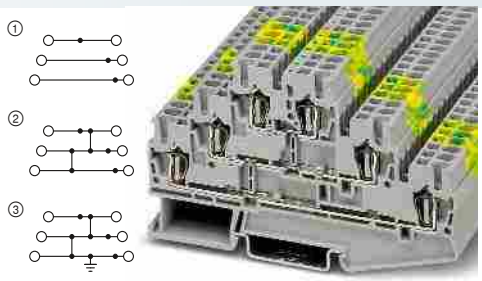
Accessories[1])

D-STTB 2,5-TWIN	3038558	50

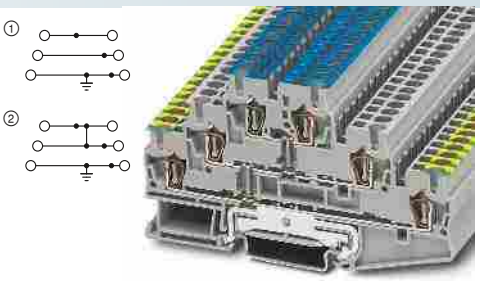
Multi-level terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.



28 A, three-level terminal block



28 A, three-level terminal block with PE foot

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**99.5**	**58 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28	**500**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / -	- / -

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**99.5**	**58 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28	**500**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	22 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	- / -

		Ordering data			
Description	Color	**Type**		**Order No.**	Pcs./Pkt.
Terminal block	gray	**ST 2,5-3L**	①	3036042	50
	blue	**ST 2,5-3L BU**	①	3038710	50
With potential distribution	gray	**ST 2,5-3PV**	②	3036068	50
Ground terminal	green-yellow	**ST 2,5-3PE**	③	3036071	50
Terminal block	gray				
	gray				
With potential distribution	gray				

		Ordering data			
		Type		**Order No.**	Pcs./Pkt.
		ST 2,5-PE/L/N	①	3036084	50
		ST 2,5-PE/L/L	①	3036097	50
		ST 2,5-PE/2PV	②	3038833	50

		Accessories[1])			
Cover, width: 2.2 mm	gray	**D-ST 2,5-3L**		3036660	50

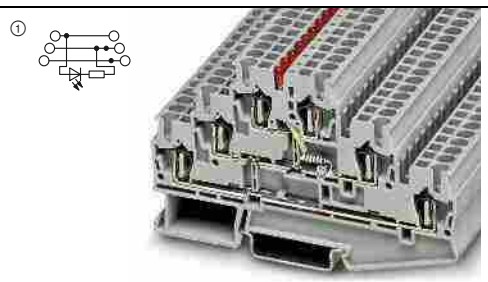
		Accessories[1])			
		D-ST 2,5-3L		3036660	50

Multi-level terminal blocks

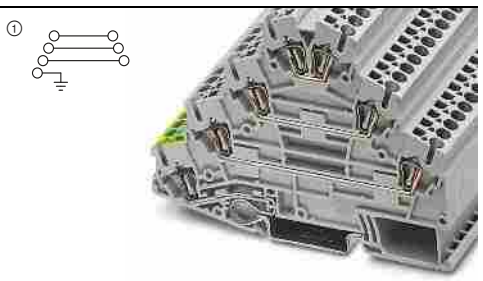
Notes:

[1]) For additional accessories and technical data, see page 210.

[2]) The operating voltage is determined by the LED version.



28 A, three-level terminal block with LED display



26 A, four-level terminal block with PE foot

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**99.5**	**58 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28	**500[2])**	**0.08 - 4**	**-**
Maximum bridge current	[A]	20 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500[2])	-	-	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	- / -	- / -	- / -

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**98.5**	**73.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		26	**800**	**0.08 - 4**	**28-12**
		-			
Rated data		IEC	UL / CUL	CSA	Ex
		800	600	600	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	20 / -	20 / -	- / -

		Ordering data			
Description	Color	**Type**		**Order No.**	Pcs./Pkt.
Terminal block, with LED for 12 - 30 V DC, 0.7 - 2.4 mA	gray	**ST 2,5-3L-LA 24RD/O-M**	①	3035580	50
Terminal block	gray				

		Ordering data			
		Type		**Order No.**	Pcs./Pkt.
		ST 2,5-PE/3L	①	3036055	50

		Accessories[1])			
Cover, width: 2.2 mm	gray	**D-ST 2,5-3L**		3036660	50

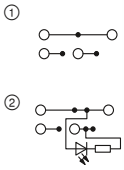
		Accessories[1])			
		D-ST 2,5-PE/3L		3036673	50

2.5 mm² ST spring-cage connection terminal blocks

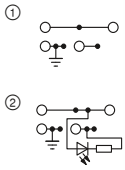
Initiator/actuator terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.



18 A, three-conductor initiator terminal block



18 A, three-conductor actuator terminal block with PE foot

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**75**	**44.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		18	**250**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	300	-	-
Nominal current / cross section	[A] / [mm²]	18 / 2.5	18 / -	- / -	- / -

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**75**	**44.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		18	**250**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	300	-	-
Nominal current / cross section	[A] / [mm²]	18 / 2.5	18 / -	- / -	- / -

Description	Color	Ordering data			
		Type		**Order No.**	Pcs./Pkt.
Terminal block	gray	**STIO 2,5/3-2B/L**	①	3209015	50
Red LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray	**STIO 2,5/3-2B/L-LA24RD/O-M**	②	3209028	50
Green LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray	**STIO 2,5/3-2B/L-LA24GN/O-M**	②	3209031	50

		Ordering data			
		Type		**Order No.**	Pcs./Pkt.
Terminal block	gray	**STIO 2,5/3-PE/B/L**	①	3209044	50
Red LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray	**STIO 2,5/3-PE/B/L-LA24RD/O-M**	②	3209138	50
Green LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray	**STIO 2,5/3-PE/B/L-LA24GN/O-M**	②	3209141	50

		Accessories[1])		
Cover, width: 2.2 mm	gray	**D-STIO 2,5/3**	3209112	50

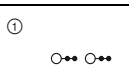
		Accessories[1])		
Cover, width: 2.2 mm	gray	**D-STIO 2,5/3**	3209112	50

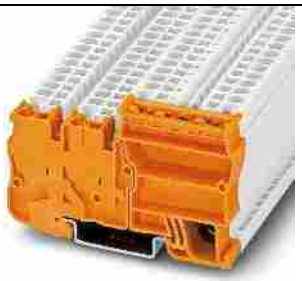
Power terminal blocks

Notes:

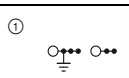
[1]) For additional accessories and technical data, see page 210.

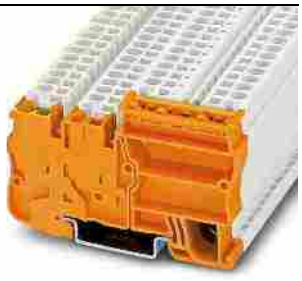
[2]) In the case of central power feed.





30 A, power terminal block





30 A, power terminal block with PE foot

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**10.4**	**75**	**44.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[2])	**250**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	300	-	-
Nominal current / cross section	[A] / [mm²]	30 / 2.5	20 / -	- / -	- / -

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**10.4**	**75**	**44.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[2])	**250**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	300	-	-
Nominal current / cross section	[A] / [mm²]	30 / 2.5	20 / -	- / -	- / -

Description	Color	Ordering data			
		Type		**Order No.**	Pcs./Pkt.
Power terminal block	orange	**STIO-IN 2,5/3 OG**	①	3209196	25
	orange				

		Ordering data			
		Type		**Order No.**	Pcs./Pkt.
		STIO-IN 2,5/3-PE OG	①	3209086	25

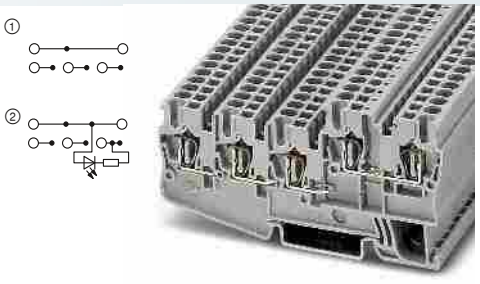
		Accessories[1])		
Cover, width: 2.2 mm	gray	**D-STIO 2,5/3**	3209112	50

		Accessories[1])		
		D-STIO 2,5/3	3209112	50

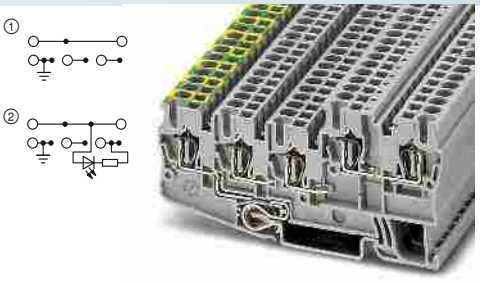
Initiator/actuator terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.



18 A, four-conductor initiator terminal block



18 A, four-conductor actuator terminal block with PE foot

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**92.3**	**44.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		18	**250**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	300	-	-
Nominal current / cross section	[A] / [mm²]	18 / 2.5	18 / -	- / -	- / -

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**92.3**	**44.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		18	**250**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	300	-	-
Nominal current / cross section	[A] / [mm²]	18 / 2.5	18 / -	- / -	- / -

		Ordering data			
Description	Color	**Type**		**Order No.**	Pcs./Pkt.
Terminal block	gray	**STIO 2,5/4-3B/L**	①	3209057	50
Red LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray	**STIO 2,5/4-3B/L-LA24RD/O-M**	②	3209154	50
Green LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray	**STIO 2,5/4-3B/L-LA24GN/O-M**	②	3209167	50

		Ordering data			
Description	Color	**Type**		**Order No.**	Pcs./Pkt.
Terminal block	gray	**STIO 2,5/4-PE/2B/L**	①	3209060	50
Red LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray	**STIO 2,5/4-PE/2B/L-LA24RD/O-M**	②	3209170	50
Green LED, 15 - 30 V DC, 1 - 2.5 mA, LED between upper and middle level	gray	**STIO 2,5/4-PE/2B/L-LA24GN/O-M**	②	3209183	50

		Accessories[1])		
Cover, width: 2.2 mm	gray	**D-STIO 2,5/4**	3209125	50

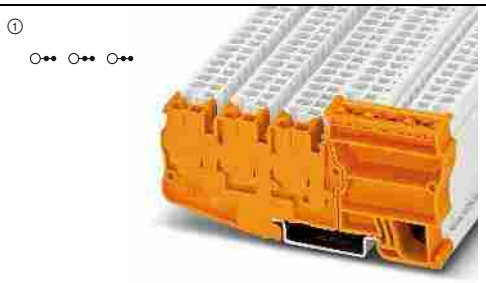
		Accessories[1])		
Cover, width: 2.2 mm	gray	**D-STIO 2,5/4**	3209125	50

Power terminal blocks

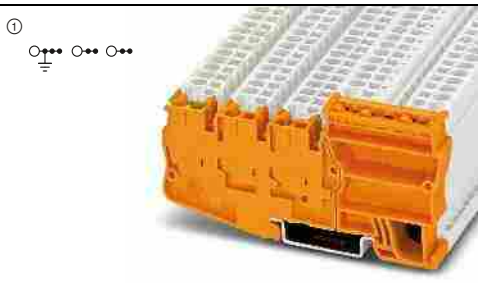
Notes:

[1]) For additional accessories and technical data, see page 210.

[2]) In the case of central power feed.



30 A, power terminal block



30 A, power terminal block with PE foot

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**10.4**	**92.3**	**44.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[2])	**250**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	300	-	-
Nominal current / cross section	[A] / [mm²]	30 / 2.5	20 / -	- / -	- / -

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**10.4**	**92.3**	**44.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30[2])	**250**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	250	300	-	-
Nominal current / cross section	[A] / [mm²]	30 / 2.5	20 / -	- / -	- / -

		Ordering data			
Description	Color	**Type**		**Order No.**	Pcs./Pkt.
Power terminal block	orange	**STIO-IN 2,5/4 OG**	①	3209206	25
	orange				

		Ordering data			
Description	Color	**Type**		**Order No.**	Pcs./Pkt.
		STIO-IN 2,5/4-PE OG	①	3209109	25

		Accessories[1])		
Cover, width: 2.2 mm	gray	**D-STIO 2,5/4**	3209125	50

		Accessories[1])		
Cover, width: 2.2 mm	gray	**D-STIO 2,5/4**	3209125	50

2.5 mm² ST spring-cage connection terminal blocks

Disconnect terminal blocks

Notes:

1) For additional accessories and technical data, see page 210.

2) Current and voltage are determined by the plug used.

20 A, disconnect terminal block

20 A, disconnect terminal block, 3 connections

		Technical data1)			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**60.5**	**36.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20²)	**400²)**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400²)	300	300	-
Nominal current / cross section	[A] / [mm²]	20²) / 2.5	16 / -	16 / -	- / -

		Technical data1)			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**72**	**36.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400²)**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400²)	300	300	-
Nominal current / cross section	[A] / [mm²]	20²) / 2.5	16 / -	16 / -	- / -

Description	Color	Ordering data			
		Type		**Order No.**	Pcs./Pkt.
Terminal block	gray	**ST 2,5-TG**	1	3038435	50

		Ordering data			
		Type		**Order No.**	Pcs./Pkt.
Terminal block	gray	**ST 2,5-TWIN-TG**	1	3038448	50

		Accessories1)			
Cover, width: 2.2 mm	gray	**D-ST 2,5-TWIN**		3030488	50

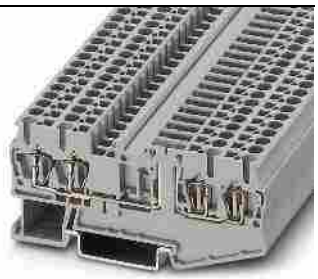
		Accessories1)			
		D-ST 2,5-QUATTRO		3030514	50

Disconnect terminal blocks

Notes:

1) For additional accessories and technical data, see page 210.

2) Current and voltage are determined by the plug used.



20 A, disconnect terminal block, 4 connections

		Technical data1)			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**84**	**36.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400²)**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400²)	300	300	-
Nominal current / cross section	[A] / [mm²]	20²) / 2.5	16 / -	16 / -	- / -

Description	Color	Ordering data			
		Type		**Order No.**	Pcs./Pkt.
Terminal block	gray	**ST 2,5-QUATTRO-TG**	1	3038451	50

		Accessories1)			
Cover, width: 2.2 mm	gray	**D-ST 2,5-QUATTRO-MT**		3038590	50

Knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.

①

20 A, knife disconnect terminal block

Dimensions		Technical data[1])			
		Width	Length	Height	
	[mm]	**5.2**	**60.5**	**36.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	600	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	16 / -	16 / -	- / -

Description	Color	Ordering data			
		Type		**Order No.**	Pcs./Pkt.
Terminal block	gray	**ST 2,5-MT**	①	3036343	50
	blue	**ST 2,5-MT BU**	①	3037818	50

Accessories[1])			
Cover, width: 2.2 mm	gray	**D-ST 2,5-TWIN**	3030488	50

①

20 A, knife disconnect terminal block, 3 connections

Technical data[1])			
Width	Length	Height	
5.2	**72**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400**	**0.08 - 4**	**28-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	600	300	-
20 / 2.5	16 / -	16 / -	- / -

Ordering data			
Type		**Order No.**	Pcs./Pkt.
ST 2,5-TWIN-MT	①	3036356	50
ST 2,5-TWIN-MT BU	①	3037821	50

Accessories[1])			
D-ST 2,5-QUATTRO	3030514	50

Knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.

①

20 A, knife disconnect terminal block, 4 connections

Dimensions		Technical data[1])			
		Width	Length	Height	
	[mm]	**5.2**	**84**	**36.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**400**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	400	600	300	-
Nominal current / cross section	[A] / [mm²]	20 / 2.5	16 / -	16 / -	- / -

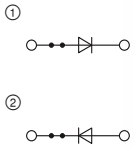
Description	Color	Ordering data			
		Type		**Order No.**	Pcs./Pkt.
Terminal block	gray	**ST 2,5-QUATTRO-MT**	①	3036576	50
	blue	**ST 2,5-QUATTRO-MT BU**	①	3037834	50

Accessories[1])			
Cover, width: 2.2 mm	gray	**D-ST 2,5-QUATTRO-MT**	3038590	50

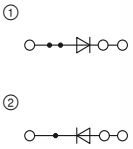
Diode terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.



0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A)



0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A), 3 connections

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	5.2	48.5	36.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5	800	0.08 - 4	28-12
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	0.5 / 1	1 / -	1 / -	- / -

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	5.2	60.5	36.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5	800	0.08 - 4	28-12
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	0.5 / 1	20 / -	- / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**ST 2,5-DIO/L-R**	①	3036262	50
	gray	**ST 2,5-DIO/R-L**	②	3036518	50

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**ST 2,5-TWIN-DIO/L-R**	①	3036246	50
	gray	**ST 2,5-TWIN-DIO/R-L**	②	3036521	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-ST 2,5**	3030417	50

Accessories[1])

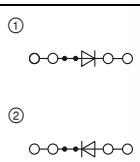
		D-ST 2,5-TWIN	3030488	50

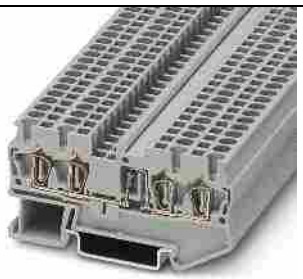
Diode terminal blocks

Notes:

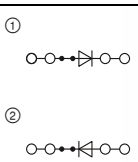
[1]) For additional accessories and technical data, see page 210.

[2]) The max. current is determined by the diode. Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A





0.5 A, diode terminal block, 1N 4007 (1300 V/0.5 A), 4 connections



1.5 A, diode terminal block, 1N 5408 (1000 V/1.5 A), 4 connections

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	5.2	72	36.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5[2])	800	0.08 - 4	28-12
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	0.5 / 1	20 / -	- / -	- / -

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	5.2	72	36.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		1.5	800	0.08 - 4	-
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	-	-	-
Nominal current / cross section	[A] / [mm²]	1.5 / 1	- / -	- / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**ST 2,5-QUATTRO-DIO/L-R**	①	3036233	50
	gray	**ST 2,5-QUATTRO-DIO/R-L**	②	3036534	50

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**ST 2,5-QUATTRO-DIO 1N 5408K/L-R**	①	3002216	50
	gray	**ST 2,5-QUATTRO-DIO 1N 5408K/R-L**	②	3002214	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-ST 2,5-QUATTRO**	3030514	50

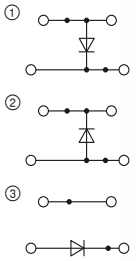
Accessories[1])

		D-ST 2,5-QUATTRO	3030514	50

Diode terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.



26 A, double-level diode terminal block, 1N 4007 (1300 V/0.5 A)

EAC

Technical data[1])			
Width	Length	Height	
5.2	**67.5**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
26	**500**	**0.08 - 4**	**28-12**
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	300	-
22 / 2.5	20 / -	- / -	- / -

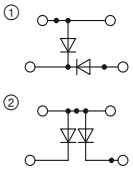
Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Ordering data			
Type		**Order No.**	Pcs./Pkt.
STTB 2,5-DIO/O-U	①	3031555	50
STTB 2,5-DIO/U-O	②	3031563	50
STTB 2,5-DIO/UL-UR	③	3031571	50

Description	Color
Terminal block, for conducting direction see circuit diagram	gray
	gray
	gray

Accessories[1])		
D-STTB 2,5	3030459	50

Description	Color
Cover, width: 2.2 mm	gray



26 A, double-level diode terminal block, 1N 4007 (1300 V/0.5 A)

EAC

Technical data[1])			
Width	Length	Height	
5.2	**67.5**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
26	**250**	**0.08 - 4**	**28-12**
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
250	600	300	-
22 / 2.5	20 / -	- / -	- / -

Ordering data			
Type		**Order No.**	Pcs./Pkt.
STTB 2,5-2DIO/O-UL/UR-UL	①	3031584	50
STTB 2,5-2DIO/O-UL/O-UR	②	3031597	50

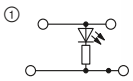
Accessories[1])		
D-STTB 2,5	3030459	50

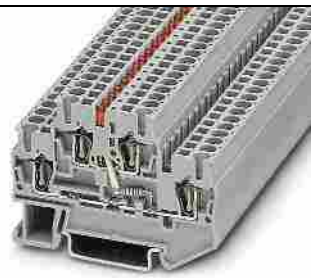
Double-level terminal blocks with LED display

Notes:

[1]) For additional accessories and technical data, see page 210.

[2]) The operating voltage is determined by the LED version.





26 A, double-level terminal block with LED display

EAC

Technical data[1])			
Width	Length	Height	
5.2	**67.5**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
26	**250[2])**	**0.08 - 4**	**28-12**
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
250[2])	600	-	-
22 / 2.5	20 / -	- / -	- / -

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Ordering data			
Type		**Order No.**	Pcs./Pkt.
STTB 2,5-LA 24 RD	①	3031607	50
STTB 2,5-LA 60 RD	①	3031610	50
STTB 2,5-LA230	①	3031623	50

Description	Color
Terminal block, with LED for 12 - 30 V DC, 0.7 - 2.4 mA	gray
with LED display for 30 - 60 V DC, 0.8 - 1.8 mA	gray
with LED display for 110 - 230 V AC/DC, 0.1 - 0.5 mA	gray

Accessories[1])		
D-STTB 2,5	3030459	50

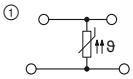
Description	Color
Cover, width: 2.2 mm	gray

2.5 mm² ST spring-cage connection terminal blocks

Double-level terminal blocks with temperature sensor

Notes:

[1]) For additional accessories and technical data, see page 210.



26 A, double-level terminal block with temperature sensor

EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		7.4	**67.5**	**47.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		26	**500**	**0.08 - 4** / **-**
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	-	- / -
Nominal current / cross section	[A] / [mm²]	22 / 2.5	- / -	- / - / - / -

Ordering data

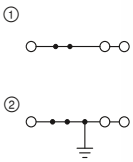
Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, with integrated Pt 100 temperature sensor and fitted cover	gray	**STTB 2,5-PT100 MD**	①	3035564	50

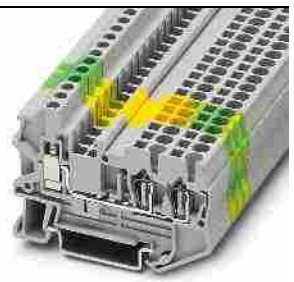
Hybrid terminal blocks with screw connection on one side, 2.5 (4) mm²

Notes:

[1]) For additional accessories and technical data, see page 210.

[2]) For screw connection rated data, visit phoenixcontact.net/products





28 A, feed-through terminal block, 3 connections

EAC

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		5.2	**65.3**	**42.8 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28	**800**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data[2])		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**STU 2,5-TWIN**	①	3033016	50
	blue	**STU 2,5-TWIN BU**	①	3033029	50
Ground terminal	green-yellow	**STU 2,5-TWIN-PE**	②	3033032	50

Accessories[1])

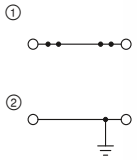
Cover, width: 2.2 mm	gray	**D-STU 2,5-TWIN**	3033045	50

Desk-design terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.

For information on installation and using accessories for Ex applications, see page 678.



31 A, feed-through terminal block

Ex: EAC Ex

PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data[1])

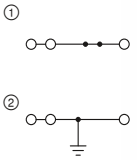
Dimensions				
	[mm]	Width	Length	Height
		5.2	50.8	43 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		31	800	0.08 - 4	28-12
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	20.5 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**STS 2,5**	①	3036398	50
	blue	**STS 2,5 BU**	①	3036408	50
Ground terminal	green-yellow	**STS 2,5-PE**	②	3036411	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-STS 2,5**	3031762	50



28 A, feed-through terminal block, 3 connections

Ex: EAC Ex

PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data[1])

		Width	Length	Height
		5.2	50.8	43 (NS 35/7,5)
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28	800	0.08 - 4	28-12
		24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		800	600	600	550
		24 / 2.5	20 / -	20 / -	21 / 2.5

Ordering data

Type		Order No.	Pcs./Pkt.
STS 2,5-TWIN	①	3031720	50
STS 2,5-TWIN BU	①	3036275	50
STS 2,5-TWIN-PE	②	3031733	50

Accessories[1])

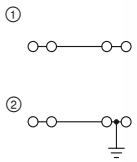
D-STS 2,5	3031762	50

Desk-design terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.

For information on installation and using accessories for Ex applications, see page 678.



28 A, feed-through terminal block, 4 connections

Ex: EAC Ex

PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data[1])

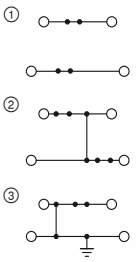
Dimensions				
	[mm]	Width	Length	Height
		5.2	50.8	43 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28	800	0.08 - 4	28-12
Maximum bridge current	[A]	-			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	20.5 / 2.5

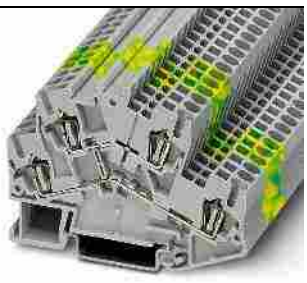
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**STS 2,5-QUATTRO**	①	3031746	50
	blue	**STS 2,5-QUATTRO BU**	①	3036288	50
With potential distribution	gray				
	blue				
Ground terminal	green-yellow	**STS 2,5-QUATTRO-PE**	②	3031759	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-STS 2,5**	3031762	50





26 A, double-level terminal block

Ex: EAC Ex

PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data[1])

		Width	Length	Height
		5.2	78	55 (NS 35/7,5)
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		26	500	0.08 - 4	28-12
		22 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		500	600	300	440
		22 / 2.5	20 / -	20 / -	19.5 / 2.5

Ordering data

Type		Order No.	Pcs./Pkt.
STTBS 2,5	①	3038464	50
STTBS 2,5 BU	①	3038493	50
STTBS 2,5-PV	②	3038477	50
STTBS 2,5-PV BU	②	3035289	50
STTBS 2,5-PE	③	3038480	50

Accessories[1])

D-STTBS 2,5	3038503	50

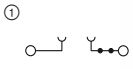
2.5 mm² ST spring-cage connection terminal blocks

Desk-design disconnect and knife disconnect terminal blocks

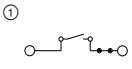
Notes:

[1]) For additional accessories and technical data, see page 210.

[2]) Current and voltage are determined by the plug used.



20 A, disconnect terminal block



20 A, knife disconnect terminal block

Technical data[1])								
Dimensions	Width	Length	Height		Width	Length	Height	
[mm]	**5.2**	**50.8**	**43 (NS 35/7,5)**		**5.2**	**50.8**	**43 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	20[2])	**400[2])**	**0.08 - 4**	**28-12**	**20**	**400**	**0.08 - 4**	**28-12**
Maximum bridge current [A]	16 (FBS) / 16 (FBSR)				16 (FBS) / 16 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400[2])	300	300	-	400	300	300	-
Nominal current / cross section [A] / [mm²]	20[2]) / 2.5	16 / -	16 / -	- / -	20 / 2.5	16 / -	16 / -	- / -

Ordering data					Ordering data			
Description	Color	**Type**		**Order No.**	Pcs./Pkt.	**Type**		**Order No.**	Pcs./Pkt.
Terminal block	gray	**STS 2,5-TG**	①	3037009	50	**STS 2,5-MT**	①	3036990	50
	blue					**STS 2,5-MT BU**	①	3035425	50

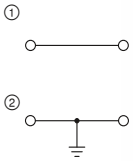
Accessories[1])				Accessories[1])			
Cover, width: 2.2 mm	gray	**D-STS 2,5**	3031762	50	**D-STS 2,5**	3031762	50

Feed-through, multi-conductor, and ground terminal blocks

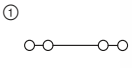
Notes:

[1]) For additional accessories and technical data, see page 210.

For information on installation and using accessories for Ex applications, see page 678.



30 A, feed-through terminal block



30 A, feed-through terminal block, 4 connections

Ex: EAC Ex
PTB 08ATEX1075U / IECEx PTB 08.0048U

Ex: EAC Ex
PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data[1])								
Dimensions	Width	Length	Height		Width	Length	Height	
[mm]	**5.2**	**32**	**30 (NS 15)**		**10.4**	**32**	**30 (NS 15)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	**800**	**0.08 - 4**	**28-12**	**30**	**800**	**0.08 - 4**	**28-12**
Maximum bridge current [A]	-				24			
Rated data	IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	690	800	600	600	690
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	21 / 2.5	24 / 2.5	20 / -	20 / -	21 / 2.5
General data								
Stripping length [mm]	8				8			

Ordering data						Ordering data				
Description	No. of pos.	Color	**Type**		**Order No.**	Pcs./Pkt.	**Type**		**Order No.**	Pcs./Pkt.
Terminal block		gray	**MSB 2,5**	①	3244012	50	**MSDB 2,5**	①	3244216	50
		blue	**MSB 2,5 BU**	①	3244025	50	**MSDB 2,5 BU**	①	3244229	50
Ground terminal		green-yellow	**MSB 2,5-PE**	②	3244151	50				

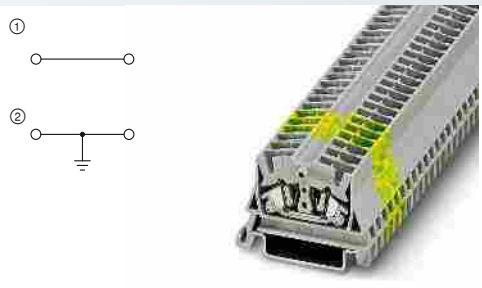
Accessories[1])					Accessories[1])			
Cover, 4 mm width		gray	**D-MZB 1,5**	3024177	50	**D-MZB 1,5**	3024177	50
Insertion bridge, fully insulated								
	2	gray				**ESB 2-MZDB** 24 A	3029703	10

Feed-through, multi-conductor, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.

For information on installation and using accessories for Ex applications, see page 678.



30 A, feed-through terminal block

Ex: EAC Ex
PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	5.2	42.7	32 (NS 35/7,5)	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	800	0.08 - 4	28-12
Maximum bridge current [A]	-			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	690
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	21 / 2.5
General data				
Stripping length [mm]	8			

Ordering data

Description	No. of pos.	Color
Terminal block		gray
		blue
Ground terminal		green-yellow

Type		Order No.	Pcs./Pkt.
MSB 2,5-NS 35	①	3244119	50
MSB 2,5-NS 35 BU	①	3244122	50
MSB 2,5-NS 35-PE	②	3244148	50

Accessories[1])

Cover, 4 mm width	gray		
Insertion bridge, fully insulated			
	2	gray	

Type	Order No.	Pcs./Pkt.
D-MZB 1,5	3024177	50

30 A, feed-through terminal block, 4 connections

Ex: EAC Ex
PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data[1])

Dimensions				
	Width	Length	Height	
	10.4	42.7	32 (NS 35/7,5)	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	800	0.08 - 4	28-12
	24			
Rated data	IEC	UL / CUL	CSA	Ex
	800	600	600	690
	24 / 2.5	20 / -	20 / -	21 / 2.5
General data				
	8			

Ordering data

Type		Order No.	Pcs./Pkt.
MSDB 2,5-NS 35	①	3244300	50
MSDB 2,5-NS 35 BU	①	3244313	50

Accessories[1])

D-MZB 1,5		3024177	50
ESB 2-MZDB	24 A	3029703	10

Feed-through and multi-conductor terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.

For information on installation and using accessories for Ex applications, see page 678.

30 A, feed-through terminal block, for grouping

Ex: EAC Ex
PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	5.2	32	22	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	800	0.08 - 4	28-12
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	22 / 2.5
General data				
Stripping length [mm]	8			

Ordering data

Description	Color
Terminal block	gray
	blue

Type		Order No.	Pcs./Pkt.
MSB 2,5-M	①	3244067	50
MSB 2,5-M BU	①	3244070	50

Accessories[1])

Cover, 4 mm width	gray		

Type	Order No.	Pcs./Pkt.
D-MZB 1,5	3024177	50

30 A, flange terminal block, for grouping

Ex: EAC Ex
PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data[1])

Dimensions				
	Width	Length	Height	
	5.2	32	22	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	800	0.08 - 4	28-12
Rated data	IEC	UL / CUL	CSA	Ex
	800	600	600	550
	24 / 2.5	20 / -	20 / -	22 / 2.5
General data				
	8			

Ordering data

Type		Order No.	Pcs./Pkt.
MSB 2,5-F	①	3244041	50
MSB 2,5-F BU	①	3244054	50

Accessories[1])

D-MSB 1,5-F		3024180	50

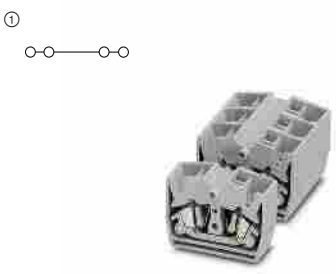
2.5 mm² ST spring-cage connection terminal blocks

Feed-through and multi-conductor terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.

For information on installation and using accessories for Ex applications, see page 678.



30 A, feed-through terminal block, for grouping, 4 connections

Ex: EAC Ex
PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**10.4**	**32**	**22**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	**800**	**0.08 - 4**	**28-12**
Maximum bridge current [A]	24			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	22 / 2.5
General data				
Stripping length [mm]	8			

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs./Pkt.
Terminal block		gray	**MSDB 2,5-M**	[1]	3244258	50
		blue	**MSDB 2,5-M BU**	[1]	3244261	50

Accessories[1])

Cover, 4 mm width		gray	**D-MZB 1,5**	3024177	50
Insertion bridge, fully insulated					
	2	gray	**ESB 2-MZDB**	24 A 3029703	10

30 A, flange terminal block, 4 connections, for grouping

Ex: EAC Ex
PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**10.4**	**32**	**22**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	**800**	**0.08 - 4**	**28-12**
Maximum bridge current [A]	24			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	22 / 2.5
General data				
Stripping length [mm]	8			

Ordering data

Type		Order No.	Pcs./Pkt.
MSDB 2,5-F	[1]	3244232	50
MSDB 2,5-F BU	[1]	3244245	50

Accessories[1])

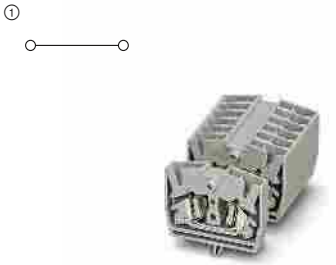
D-MSB 1,5-F	3024180	50	
ESB 2-MZDB	24 A	3029703	10

Feed-through and multi-conductor terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.

For information on installation and using accessories for Ex applications, see page 678.



30 A, feed-through terminal block, with securing pin

Ex: EAC Ex
PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**5.2**	**32**	**22**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	**800**	**0.08 - 4**	**28-12**
Maximum bridge current [A]	-			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	22 / 2.5
General data				
Stripping length [mm]	8			

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs./Pkt.
Terminal block, for direct mounting		gray	**MSB 2,5-RZ**	[1]	3244164	50
		blue	**MSB 2,5-RZ BU**	[1]	3244177	50

Accessories[1])

Cover, 4 mm width		gray	**D-MZB 1,5**	3024177	50
Insertion bridge, fully insulated					
	2	gray			

30 A, feed-through terminal block, 4 connections, with securing pin

Ex: EAC Ex
PTB 08ATEX1075U / IECEx PTB 08.0048U

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**10.4**	**32**	**22**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	**800**	**0.08 - 4**	**28-12**
Maximum bridge current [A]	24			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	22 / 2.5
General data				
Stripping length [mm]	8			

Ordering data

Type		Order No.	Pcs./Pkt.
MSDB 2,5-RZ	[1]	3244339	50
MSDB 2,5-RZ BU	[1]	3244342	50

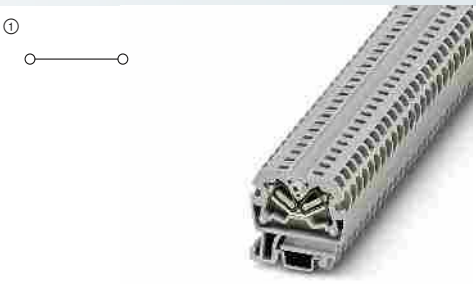
Accessories[1])

D-MZB 1,5	3024177	50	
ESB 2-MZDB	24 A	3029703	10

Feed-through and multi-conductor terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.



30 A, feed-through terminal block, lateral conductor entry

30 A, feed-through terminal block, lateral conductor entry, 4 connections

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	32	30 (NS 15)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30	800	0.08 - 4	28-12
Maximum bridge current	[A]	-			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	- / -
General data					
Stripping length	[mm]	8			

Technical data[1])

Width	Length	Height		
10.4	32	30 (NS 15)		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
30	800	0.08 - 4	28-12	
24				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
24 / 2.5	20 / -	20 / -	- / -	
8				

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs./Pkt.
Terminal block		gray	**MSBV 2,5**	1	3249017	50
		blue	**MSBV 2,5 BU**	1	3249020	50

Ordering data

Type		Order No.	Pcs./Pkt.
MSDBV 2,5	1	3249143	50
MSDBV 2,5 BU	1	3249156	50

Accessories[1])

Cover, 4 mm width		gray	**D-MSBV 2,5**	3251018	50
Insertion bridge, fully insulated					
	2	gray			

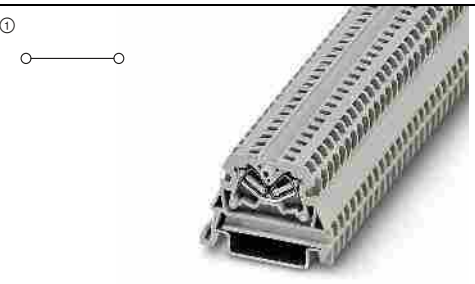
Accessories[1])

D-MSBV 2,5		3251018	50
ESB 2-MZDB	24 A	3029703	10

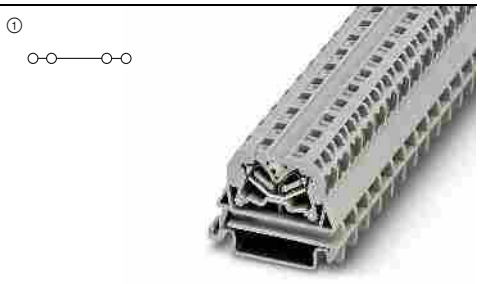
Feed-through and multi-conductor terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.



30 A, feed-through terminal block, lateral conductor entry



30 A, feed-through terminal block, lateral conductor entry, 4 connections

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	42.7	32 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30	800	0.08 - 4	28-12
Maximum bridge current	[A]	-			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	- / -
General data					
Stripping length	[mm]	8			

Technical data[1])

Width	Length	Height		
10.4	42.7	32 (NS 35/7,5)		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
30	800	0.08 - 4	28-12	
24				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
24 / 2.5	20 / -	20 / -	- / -	
8				

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs./Pkt.
Terminal block		gray	**MSBV 2,5-NS 35**	1	3249088	50
		blue	**MSBV 2,5-NS 35 BU**	1	3249091	50

Ordering data

Type		Order No.	Pcs./Pkt.
MSDBV 2,5-NS 35	1	3249211	50
MSDBV 2,5-NS 35 BU	1	3249224	50

Accessories[1])

Cover, 4 mm width		gray	**D-MSBV 2,5**	3251018	50
Insertion bridge, fully insulated					
	2	gray			

Accessories[1])

D-MSBV 2,5		3251018	50
ESB 2-MZDB	24 A	3029703	10

Feed-through and multi-conductor terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 210.

① ○——○

30 A, feed-through terminal block, for grouping

EAC

Technical data[1])

Dimensions				
	Width	Length	Height	
	[mm]	**5.2**	**32**	**22**
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	**800**	**0.08 - 4**	**28-12**
Maximum bridge current	[A]	-		
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	- / -
General data				
Stripping length	[mm]	8		

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs./Pkt.
Terminal block		gray	**MSBV 2,5-M**	①	3249062	50
		blue	**MSBV 2,5-M BU**	①	3249075	50

Accessories[1])

Cover, 4 mm width		gray	**D-MSBV 2,5**	3251018	50
Insertion bridge, fully insulated					
	2	gray			

① ○—○——○—○

30 A, feed-through terminal block, for grouping, 4 connections

EAC

Technical data[1])

Width	Length	Height		
10.4	**32**	**22**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
30	**800**	**0.08 - 4**	**28-12**	
24				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
24 / 2.5	20 / -	20 / -	- / -	
8				

Ordering data

Type		Order No.	Pcs./Pkt.
MSDBV 2,5-M	①	3249198	50
MSDBV 2,5-M BU	①	3249208	50

Accessories[1])

D-MSBV 2,5		3251018	50
ESB 2-MZDB	24 A	3029703	10

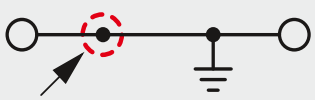
4 mm² ST spring-cage connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm²]	4			
Cross section range	AWG	28 - 10			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



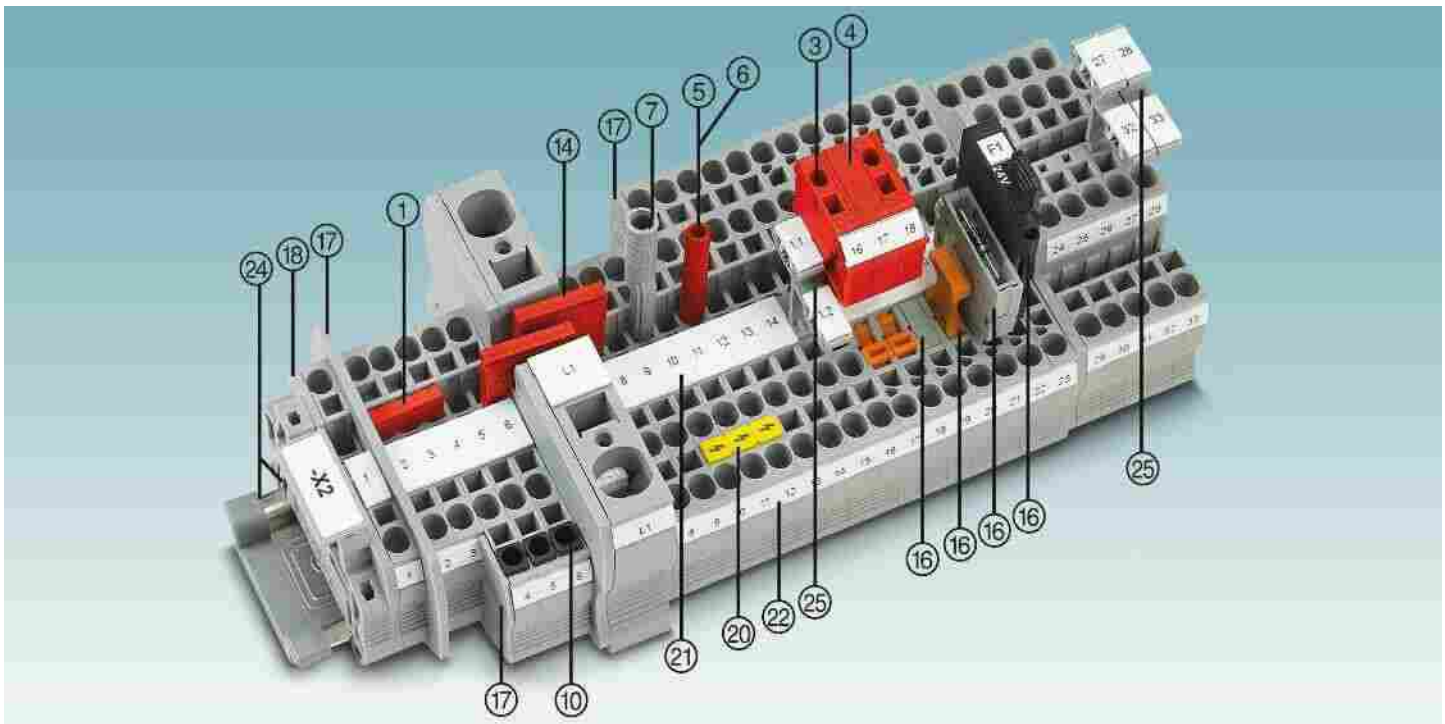
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-6**	3030336	50	**FBSR 2-6**	3033715	50
	3	red	**FBS 3-6**	3030242	50	**FBSR 3-6**	3001594	50
	4	red	**FBS 4-6**	3030255	50	**FBSR 4-6**	3001595	50
	5	red	**FBS 5-6**	3030349	50	**FBSR 5-6**	3001596	50
	10	red	**FBS 10-6**	3030271	10	**FBSR 10-6**	3033716	10
	20	red	**FBS 20-6**	3030365	10			
③ **Modular test plug**		red	**PS-6**	3030996	10			
Spacer plate		red	**DP PS-6**	3036738	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Insulating sleeve, 0.25 - 0.5 mm²		gray	**ISH 4/0,5**	3002885	50			
0.75 - 1 mm²		black	**ISH 4/1,0**	3002898	50			
Screwdriver			**SZF 1-0,6X3,5**	1204517	10			

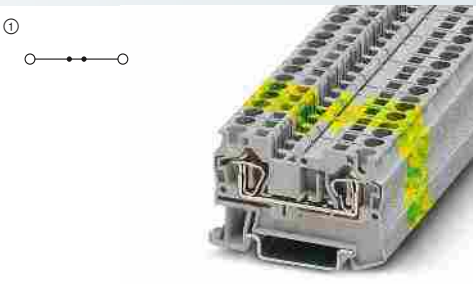
Reducing bridge	**For RB ..., see page 408.**
Fuse and function plugs for disconnect terminal blocks	**For P-FU ... / P-DI / P-FIX / P-CO ..., see from page 414.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Center groove labeling	**UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
Marker carrier	**For STP ..., see page 418.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 228.

For information on installation and using accessories for Ex applications, see page 678.



40 A, feed-through terminal block

Ex: EAC Ex
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data[1])

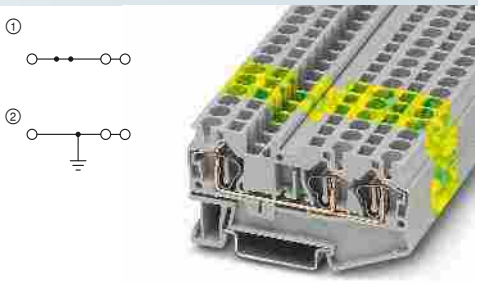
Dimensions				
	[mm]	Width	Length	Height
		6.2	56	36.5 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		40	800	0.08 - 6 / 28-10
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / - / 30 / 4

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**ST 4**	①	3031364	50
	blue	**ST 4 BU**	①	3031377	50
Ground terminal	green-yellow	**ST 4-PE**		3031380	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-ST 4**	3030420	50



40 A, feed-through terminal block, 3 connections

Ex: EAC Ex
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data[1])

		Width	Length	Height
		6.2	71.5	36.5 (NS 35/7,5)
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		40	800	0.08 - 6 / 28-10
		32 (FBS) / 24 (FBSR)		
		IEC	UL / CUL	CSA / Ex
		800	600	600 / 550
		32 / 4	30 / -	30 / - / 30 / 4

Ordering data

Type		Order No.	Pcs./Pkt.
ST 4-TWIN	①	3031393	50
ST 4-TWIN BU	①	3031403	50
ST 4-TWIN-PE	②	3031416	50

Accessories[1])

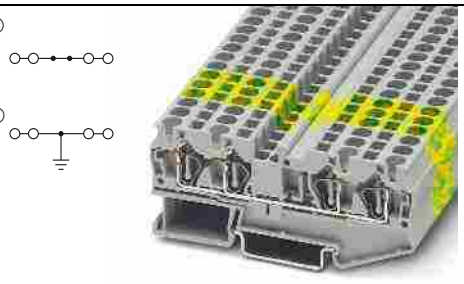
D-ST 4-TWIN	3030491	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 228.

For information on installation and using accessories for Ex applications, see page 678.



40 A, feed-through terminal block, 4 connections

Ex: EAC Ex
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data[1])

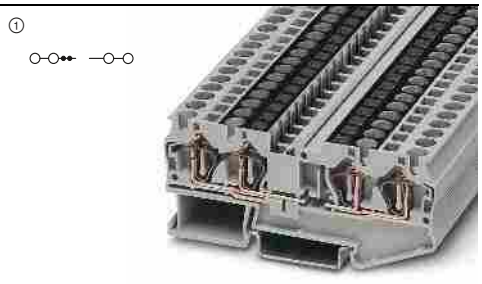
Dimensions				
	[mm]	Width	Length	Height
		6.2	87	36.5 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		40	800	0.08 - 6 / 28-10
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / - / 28.5 / 4

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**ST 4-QUATTRO**	①	3031445	50
	blue	**ST 4-QUATTRO BU**	①	3031458	50
	gray				
Ground terminal	green-yellow	**ST 4-QUATTRO-PE**	②	3031461	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-ST 4-QUATTRO**	3030527	50



37 A, feed-through terminal block, 4 connections, with interrupted current bar

Technical data[1])

		Width	Length	Height
		6.2	87	36.5 (NS 35/7,5)
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		37	800	0.08 - 6 / 28-10
		32 (FBS) / 24 (FBSR)		
		IEC	UL / CUL	CSA / Ex
		800	600	- / -
		28 / 4	30 / -	- / - / - / -

Ordering data

Type		Order No.	Pcs./Pkt.
ST 4-QUATTRO-U	①	3038639	50

Accessories[1])

D-ST 4-QUATTRO	3030527	50

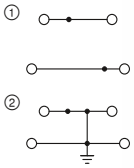
4 mm² ST spring-cage connection terminal blocks

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 228.

For information on installation and using accessories for Ex applications, see page 678.



32 A, double-level terminal block

Ex: EAC Ex
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data[1])

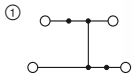
Dimensions				
	[mm]	Width	Length	Height
		6.2	**83.5**	**47.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	**500**	**0.08 - 6 / 28-10**
Maximum bridge current	[A]	26 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	300 / 440
Nominal current / cross section	[A] / [mm²]	30 / 4	30 / -	30 / - / 26.5 / 4

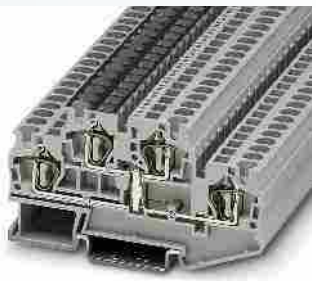
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**STTB 4**	①	3031429	50
	blue	**STTB 4 BU**	①	3031432	50
	gray				
Ground terminal	green-yellow	**STTB 4-PE**	②	3036039	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-STTB 4**	3030462	50





32 A, double-level terminal block, with equipotential bonding

Ex: EAC Ex
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data[1])

		Width	Length	Height
		6.2	**83.5**	**47.5 (NS 35/7,5)**
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	**500**	**0.08 - 6 / 28-10**
		22 (FBS) / 22 (FBSR)		
		IEC	UL / CUL	CSA / Ex
		500	600	300 / 440
		30 / 4	30 / -	30 / - / 26.5 / 4

Ordering data

Type		Order No.	Pcs./Pkt.
STTB 4-PV	①	3031542	50

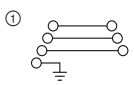
Accessories[1])

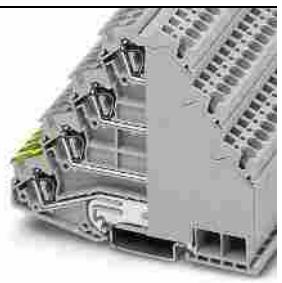
D-STTB 4	3030462	50

Multi-level terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 228.





32 A, four-level terminal block with PE foot

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**101**	**83.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	**800**	**0.08 - 6 / 28-10**
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / -
Nominal current / cross section	[A] / [mm²]	28 / 4	30 / -	30 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**ST 4-PE/3L**	①	3038338	50

Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape

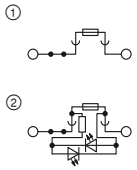
Notes:

[1]) For additional accessories and technical data, see page 228.

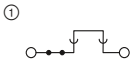
[2]) If the fuse is faulty, the downstream circuit is not off load.

[3]) The current is determined by the fuse used, the voltage by the selected LED display. Observe the maximum power dissipation, see phoenixcontact.net/products.

For the derating curve, see phoenixcontact.net/products



6.3 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses



20 A, lever-type disconnect terminal block, same shape

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**61.5**	**62.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		6.3[3])	**500[3])**	**0.08 - 6** / **28-10**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[3])	300	300 / -
Nominal current / cross section	[A] / [mm²]	6.3[3]) / 1	10 / -	6.3 / - / - / -

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**61.5**	**62.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20	**500**	**0.08 - 6** / **-**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	-	- / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	- / -	- / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Fuse terminal block	black	**ST 4-HESI (5X20)**	①	3036369	50
with LED for 12 ... 30 V DC, 0.31 ... 0.95 mA²)	black	**ST 4-HESILED 24 (5X20)**	②	3036547	50
30 ... 60 V AC/DC, 0.40 ... 0.86 mA²)	black	**ST 4-HESILED 60 (5X20)**	②	3036550	50
110 ... 250 V AC/DC, 0.41 ... 0.96 mA²)	black	**ST 4-HESILA 250 (5X20)**	②	3036563	50
Disconnect terminal block	black/orange				

Ordering data

Type		Order No.	Pcs./Pkt.
ST 4-HEDI	①	3035140	50

Fuse terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 228.

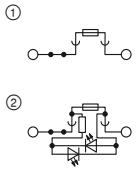
[2]) If the fuse is faulty, the downstream circuit is not off load.

[3]) For derating curve, visit phoenixcontact.net/products

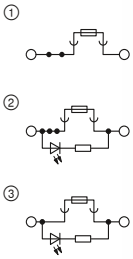
[4]) The current is determined by the fuse used, the voltage by the selected LED display. Observe the maximum power dissipation, see phoenixcontact.net/products.

The recommended continuous load capacity of the fuse inserts in accordance with DIN 72581/Part 3 is max. 80 percent of their nominal current (at an ambient temperature of 23°C)

You can find a selection of matching thermal TCP circuit breakers in Catalog 4.



10 A, lever-type fuse terminal block for 6.3 x 32 mm cartridge fuses



30 A, fuse terminal block for type C flat-type fuses

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	**76.5**	**69 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		10[4])	**400**	**0.08 - 6** / **28-10**
Maximum bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400	300	300 / -
Nominal current / cross section	[A] / [mm²]	10[4]) / 1.5	15 / -	10 / - / - / -

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	**86.5**	**43.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30[3])	**400[4])**	**0.08 - 6** / **28-10**
Maximum bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400[4])	300	300 / -
Nominal current / cross section	[A] / [mm²]	30[4]) / 4	30 / -	10 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Fuse terminal block	black	**ST 4-HESI (6,3X32)**	①	3036385	50
With LED display 12 ... 30 V AC/DC, 0.31 ... 0.95 mA²)	black	**ST 4-HESILED 24 (6,3X32)**	②	3038765	50
110 ... 250 V AC/DC, 0.41 ... 0.96 mA²)	black	**ST 4-HESILA 250 (6,3X32)**	②	3038778	50
Fuse terminal block, for flat-type fuses	black				
with LED display for 12 V DC, 1.7 mA²)	black				
with LED display for 24 V DC, 1.9 mA²)	black				

Ordering data

Type		Order No.	Pcs./Pkt.
ST 4-FSI/C	①	3036372	50
ST 4-FSI/C-LED 12	②	3036495	50
ST 4-FSI/C-LED 24	③	3036505	50

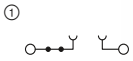
4 mm² ST spring-cage connection terminal blocks

Disconnect and knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 228.

[2]) Current and voltage are determined by the plug used.

① 

20 A, disconnect terminal block

①

20 A, knife disconnect terminal block

EAC

Technical data[1])			
Width	Length	Height	
6.2	**61.5**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20[2])	**500[2])**	**0.08 - 6**	**28-10**
20 (FBS) / 20 (FBSR)			
IEC	UL / CUL	CSA	Ex
500[2])	300	300	-
20[2]) / 2.5	10 / -	16 / -	- / -

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Ordering data			
Type		**Order No.**	Pcs./Pkt.
ST 4-TG	①	3038367	50

Description	Color
Disconnect terminal block	gray
Knife disconnect terminal block	gray

EAC

Technical data[1])			
Width	Length	Height	
6.2	**61.5**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400**	**0.08 - 6**	**28-10**
20 (FBS) / 20 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	300	300	-
20 / 2.5	10 / -	16 / -	- / -

Ordering data			
Type		**Order No.**	Pcs./Pkt.
ST 4-MT	①	3038875	50

Diode terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 228.

①

②

1.5 A, diode terminal block, 1N 5408 (1000 V/1.5 A), 4 connections

EAC

Technical data[1])			
Width	Length	Height	
6.2	**87**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
1.5	**800**	**0.08 - 6**	**-**
15 (FBS) / 15 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	-	-	-
1.5 / 1	- / -	- / -	- / -

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Ordering data			
Type		**Order No.**	Pcs./Pkt.
ST 4-QUATTRO-DIO 1N 5408/L-R	①	3037782	50
ST 4-QUATTRO-DIO 1N 5408/R-L	②	3037795	50

Description	Color
Terminal block, for conducting direction see circuit diagram	gray
	gray

Accessories[1])			
D-ST 4-QUATTRO		3030527	50

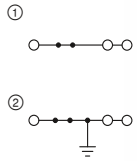
Cover, width: 2.2 mm	gray

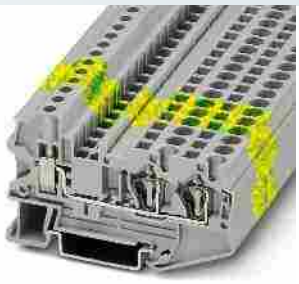
Hybrid terminal blocks with screw connection on one side, 4 (6) mm²

Notes:

[1]) For additional accessories and technical data, see page 228.

[2]) For screw connection rated data, see page 158.





38 A, feed-through terminal block, 3 connections

EAC

Technical data[1])

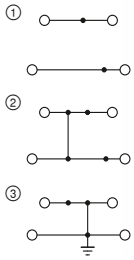
Dimensions				
	[mm]	Width	Length	Height
		6.2	74.4	42.8 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		38	800	0.08 - 6 / 28-10
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data[2])		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / -
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / - / - / -
Cross section range	AWG	26 - 10	-	- / -

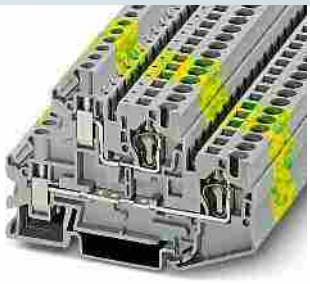
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**STU 4-TWIN**	①	3033058	50
	blue	**STU 4-TWIN BU**	①	3033061	50
With potential distribution	gray				
Ground terminal	green-yellow	**STU 4-TWIN-PE**	②	3033074	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-STU 4-TWIN**	3033087	50





36 A, double-level terminal block

EAC

Technical data[1])

		Width	Length	Height
		6.2	81	55.5 (NS 35/7,5)
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		36	500	0.08 - 6 / -
		26 (FBS) / 24 (FBSR)		
		IEC	UL / CUL	CSA / Ex
		500	-	- / -
		30 / 4	- / -	- / - / -
		28 - 10	-	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
STTBU 4	①	3033155	50
STTBU 4 BU	①	3033168	50
STTBU 4-PV	②	3033184	50
STTBU 4-PE	③	3033171	50

Accessories[1])

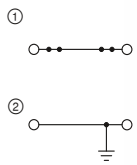
D-STTBU 4	3033207	50

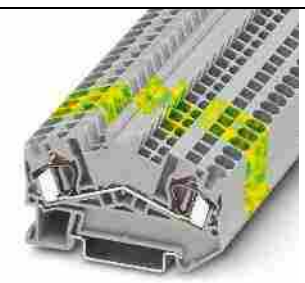
Desk-design terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 228.

For information on installation and using accessories for Ex applications, see page 678.





38 A, feed-through terminal block

EAC

Ex: EAC Ex
PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data[1])

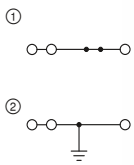
Dimensions				
	[mm]	Width	Length	Height
		6.2	64.5	43 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		38	800	0.08 - 6 / 28-10
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / - / 28.5 / 4

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**STS 4**	①	3036424	50
	blue	**STS 4 BU**	①	3036437	50
Ground terminal	green-yellow	**STS 4-PE**	②	3036440	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-STS 4**	3031704	50



38 A, feed-through terminal block, 3 connections

EAC

Ex: EAC Ex
PTB 07ATEX1027U / IECEx PTB 07.0024U

Technical data[1])

		Width	Length	Height
		6.2	64.5	43 (NS 35/7,5)
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		38	800	0.08 - 6 / 28-10
		32 (FBS) / 24 (FBSR)		
		IEC	UL / CUL	CSA / Ex
		800	600	600 / 550
		32 / 4	30 / -	30 / - / 30 / 4

Ordering data

Type		Order No.	Pcs./Pkt.
STS 4-TWIN	①	3031665	50
STS 4-TWIN BU	①	3036291	50
STS 4-TWIN-PE	②	3031678	50

Accessories[1])

D-STS 4	3031704	50

4 mm² ST spring-cage connection terminal blocks

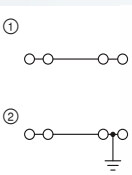
Desk-design terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 228.

For information on installation and using accessories for Ex applications, see page 678.

38 A, feed-through terminal block, 3 connections



38 A, feed-through terminal block, 4 connections

Ex: EAC Ex
PTB 07ATEX1027U / IECEx PTB 07.0024U

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
6.2	**64.6**	**43 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
38	**800**	**0.08 - 6**	**28-10**
32 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	600	-	-
32 / 4	30 / -	- / -	- / -

Technical data[1])

Width	Length	Height	
6.2	**64.5**	**43 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
38	**800**	**0.08 - 6**	**28-10**
-			
IEC	UL / CUL	CSA	Ex
800	600	600	550
32 / 4	30 / -	30 / -	28.5 / 4

Ordering data

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow

Type		Order No.	Pcs./Pkt.
STS 4-TWIN/L	[1]	3036592	50
STS 4-TWIN/L BU	[1]	3036589	50

Ordering data

Type		Order No.	Pcs./Pkt.
STS 4-QUATTRO	[1]	3031681	50
STS 4-QUATTRO BU	[1]	3036301	50
STS 4-QUATTRO-PE	[2]	3031694	50

Accessories[1])

Cover, width: 2.2 mm	gray

D-STS 4-TWIN/L	3036770	50

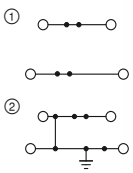
Accessories[1])

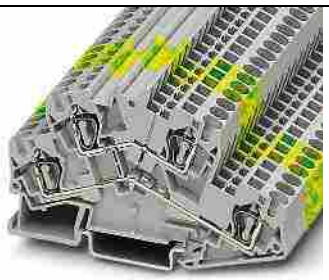
D-STS 4	3031704	50

Desk-design terminal blocks

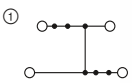
Notes:

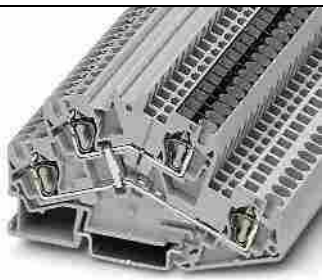
[1]) For additional accessories and technical data, see page 228.





34 A, double-level terminal block





34 A, double-level terminal block, with equipotential bonding

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
6.2	**92.4**	**55 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
34	**500**	**0.08 - 6**	**28-10**
28 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
28 / 4	30 / -	30 / -	- / -

Technical data[1])

Width	Length	Height	
6.2	**92.4**	**55 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
34	**500**	**0.08 - 6**	**28-10**
28 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
28 / 4	30 / -	30 / -	- / -

Ordering data

Description	Color
Terminal block	gray
	blue
With potential distribution	gray
Ground terminal	green-yellow

Type		Order No.	Pcs./Pkt.
STTBS 4	[1]	3035056	50
STTBS 4 BU	[1]	3035069	50
STTBS 4-PE	[2]	3035072	50

Ordering data

Type		Order No.	Pcs./Pkt.
STTBS 4-PV	[1]	3035085	50

Accessories[1])

Cover, width: 2.2 mm	gray

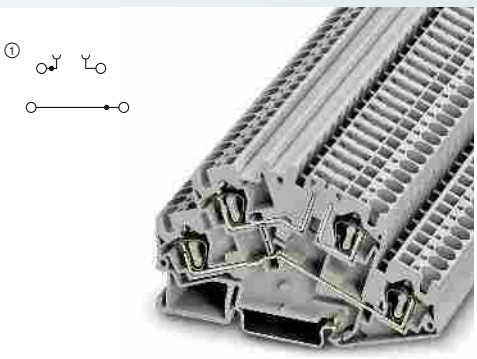
D-STTBS 4	3035098	50

Accessories[1])

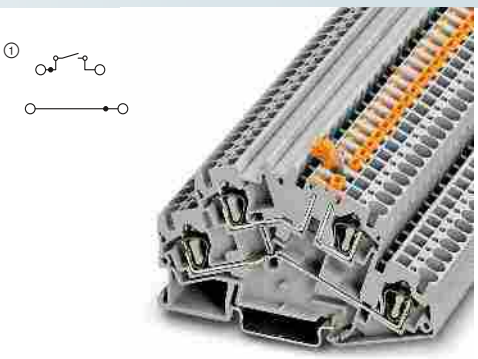
D-STTBS 4	3035098	50

Desk-design disconnect and knife disconnect terminal blocks

Notes:
1) For additional accessories and technical data, see page 228.
2) Current and voltage are determined by the plug used.
3) Lower level



34 A, double-level terminal block with disconnect zone



34 A, double-level knife disconnect terminal block

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**92.4**	**55 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		34[3])	**500[2])**	**0.08 - 6** / **28-10**
Maximum bridge current	[A]	28 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500[2])	600	- / -
Nominal current / cross section	[A] / [mm²]	28[2]) / 2.5	16 / -	- / - / - / -
Nominal current / cross section	[A] / [mm²]	20 (disconnect level)		

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Disconnect terminal block	gray	**STTBS 4-TG** ①	3035483	50
Knife disconnect terminal block	gray / blue			

Accessories[1])

Cover, width: 2.2 mm	gray	**D-STTBS 4-MT**	3035548	50

Technical data[1])

Width	Length	Height	
6.2	**92.4**	**55 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
34[3])	**500**	**0.08 - 6**	**28-10**
28 (FBS) / 24 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	-	-
28[2]) / 2.5	16 / -	- / -	- / -
20 (disconnect level)			

Ordering data

Type		Order No.	Pcs./Pkt.
STTBS 4-MT	①	3035470	50
STTBS 4-MT BU	①	3035522	50

Accessories[1])

D-STTBS 4-MT	3035548	50

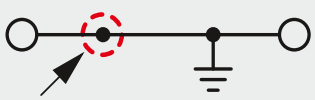
6 mm² ST spring-cage connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3			
Rated cross section	[mm²]	6			
Cross section range	AWG	24 - 8			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
General data					
Stripping length	[mm]	12			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



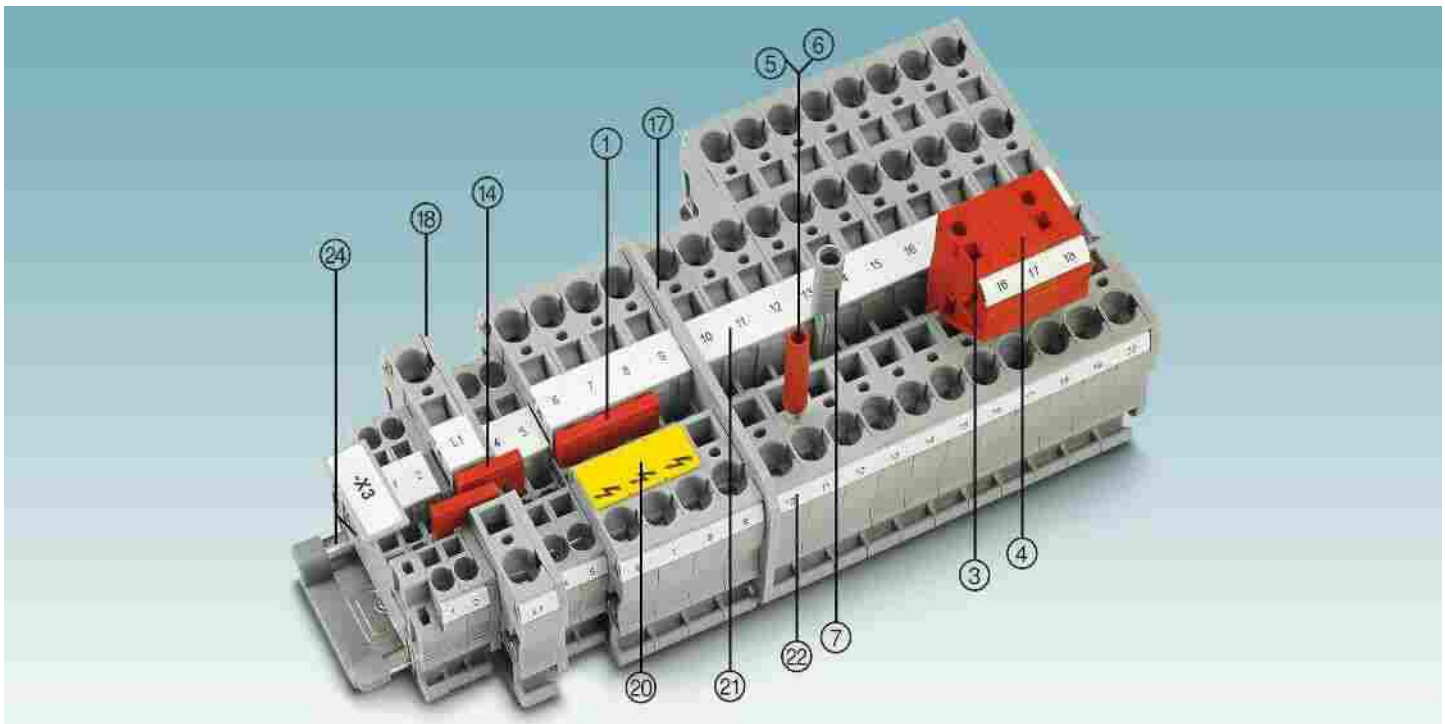
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-8**	3030284	10	**FBSR 2-8**	3033808	10
	3	red	**FBS 3-8**	3030297	10	**FBSR 3-8**	3001597	10
	4	red	**FBS 4-8**	3030307	10	**FBSR 4-8**	3000585	10
	5	red	**FBS 5-8**	3030310	10	**FBSR 5-8**	3033809	10
	10	red	**FBS 10-8**	3030323	10	**FBSR 10-8**	3001599	10
	16	red				**FBSR 16-8**	3033816	10
③ **Modular test plug**		red	**PS-8**	3031005	10			
Spacer plate		red	**DP PS-8**	3036741	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Screwdriver			**SZF 2-0,8X4,0**	1204520	10			

Reducing bridge	**For RB ..., see page 408.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Center groove labeling	**UC-TM 8, UCT-TM 8 or ZB 8. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 8, UCT-TMF 8 or ZBF 8. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through, multi-conductor, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 236.

For information on installation and using accessories for Ex applications, see page 678.

52 A, feed-through terminal block

Ex: EAC Ex
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data[1])

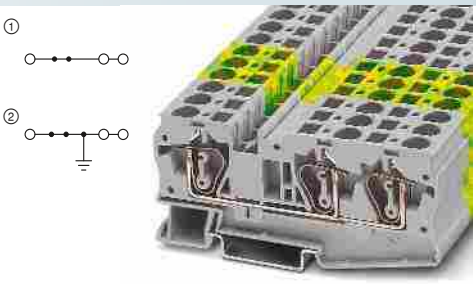
Dimensions				
	[mm]	Width	Length	Height
		8.2	**69.5**	**43.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		52	**1000**	**0.2 - 10** / **24-8**
Maximum bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / 550
Nominal current / cross section	[A] / [mm²]	41 / 6	50 / -	50 / - / 36.5 / 6

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**ST 6**	①	3031487	50
	blue	**ST 6 BU**	①	3031490	50
Ground terminal	green-yellow	**ST 6-PE**	②	3031500	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-ST 6**	3030433	50



52 A, feed-through terminal block, 3 connections

Ex: EAC Ex
KEMA 00ATEX2129U / IECEx KEM 06.0050U

Technical data[1])

		Width	Length	Height
		8.2	**90.5**	**43.5 (NS 35/7,5)**
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		52	**1000**	**0.2 - 10** / **24-8**
		41 (FBS) / 32 (FBSR)		
		IEC	UL / CUL	CSA / Ex
		1000	600	600 / 550
		41 / 6	50 / -	50 / - / 36 / 6

Ordering data

Type		Order No.	Pcs./Pkt.
ST 6-TWIN	①	3036466	50
ST 6-TWIN BU	①	3036479	50
ST 6-TWIN-PE	②	3036482	50

Accessories[1])

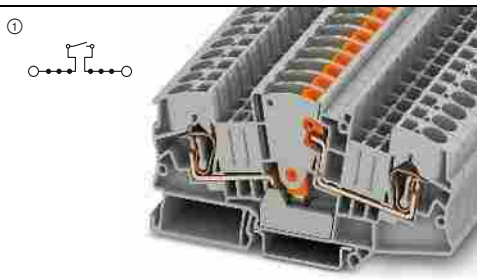
D-ST 6-TWIN	3036767	50

Test disconnect terminal blocks

– Rated voltage of 1000 V

Notes:

[1]) For additional accessories and technical data, see page 236.



30 A, 1000 V, disconnect terminal block

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	**100.8**	**49.6 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30	**1000**	**0.2 - 10** / **24-8**
Maximum bridge current	[A]	30 (FBS) / 30 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / -
Nominal current / cross section	[A] / [mm²]	30 / 6	30 / -	30 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**STME 6 HV**	①	3035693	50
	blue	**STME 6 HV BU**	①	3035694	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-DTME 6**	3034426	10

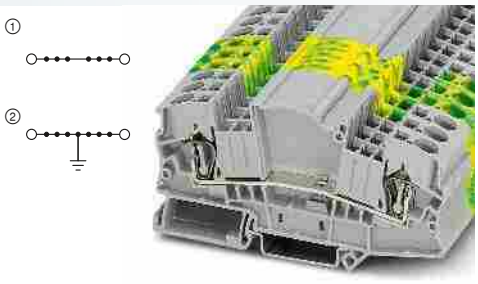
6 mm² ST spring-cage connection terminal blocks

Test disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 236.

30 A, test disconnect terminal block



41 A, feed-through terminal block, same shape

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	100.8	49.6 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30	500	0.2 - 10 / 24-8
Maximum bridge current	[A]	30 (FBS) / 30 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	30 / 6	30 / -	30 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Test disconnect terminal block	gray	**STME 6**	①	3035700	50
Feed-through terminal block	gray				
Ground terminal	green-yellow				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-DTME 6**	3034426	10

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	100.8	49.6 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		41	1000	0.2 - 10 / 24-8
Maximum bridge current	[A]	30 (FBS) / 30 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / -
Nominal current / cross section	[A] / [mm²]	41 / 6	30 / -	30 / - / - / -

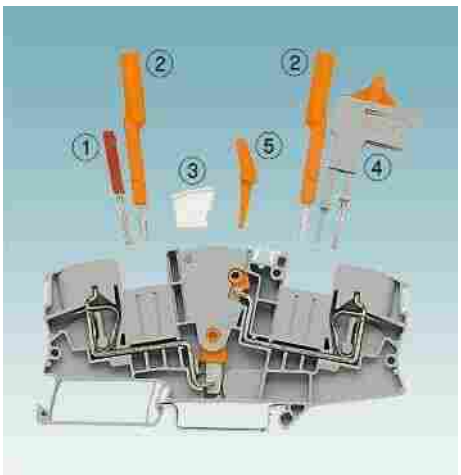
Ordering data

Type		Order No.	Pcs./Pkt.
STMED 6	①	3035713	50
STMED 6-PE	②	3035726	50

Accessories[1])

D-DTME 6	3034426	10

Supplementary accessories for STME 6 test disconnect terminal blocks



– A current transformer measuring circuit can be created using just two STME 6
– Less space required compared to creating circuits with slide-type terminal blocks
① FBS... plug-in bridge for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 6 switching lock
SB-ME... bridge bar
C−ME 6/2 operating lever

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.
Test adapter, for 4-mm-Ø safety test connector, snapped into bridge shaft	1	orange	**PAI-4-FIX OG**	3034455	10
	1	yellow	**PAI-4-FIX YE**	3032745	10
	1	green	**PAI-4-FIX GN**	3032758	10
	1	violet	**PAI-4-FIX VT**	3032761	10
	1	black	**PAI-4-FIX BK**	3032774	10
	1	blue	**PAI-4-FIX BU**	3032729	10
	1	red	**PAI-4-FIX RD**	3032732	10
	1	gray	**PAI-4-FIX GY**	3032790	10
	1	brown	**PAI-4-FIX BN**	3032787	10
Switching lock, plug-in		white	**S-ME 6**	3034439	10
Switching bridge, plug-in	2	gray/orange	**SB-ME 2-8**	3034468	10
	3	gray/orange	**SB-ME 3-8**	3032800	10
	4	gray/orange	**SB-ME 4-8**	3034484	10
Operating lever, for actuating 2 test disconnect terminal blocks	2	orange	**C-ME 6/2**	3034442	10
	3	orange	**C-ME 6/3**	3034390	50

Diode terminal blocks

Notes:

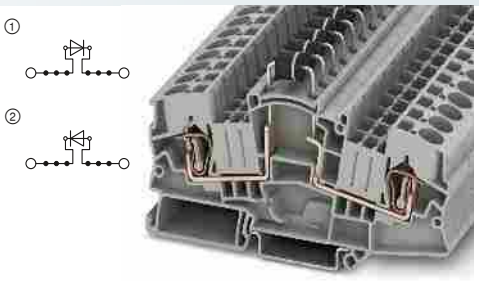
[1]) For additional accessories and technical data, see page 236.

[2]) If the diode is loaded to 5 A, the surface reaches a temperature of +140°C.

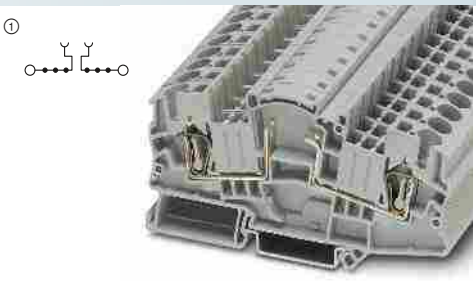
[3]) 1000 V reverse voltage.

If several diode terminal blocks need adding to the DIN rail, a spacer plate must be placed between them.

Covers should ensure that the parts are not touched.



5 A, 1000 V, diode terminal block, same shape



Terminal block, for soldering a component

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		8.2	**100.8**	**60 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		5[2])	**1000[3])**	**0.2 - 10**	**24-8**
Maximum bridge current	[A]	41 (FBS) / 32 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000[3])	600	-	-
Nominal current / cross section	[A] / [mm²]	5[2]) / 6	5 / -	- / -	- / -

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		8.2	**100.8**	**60 (NS 35/7,5)**	
			$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
			500	**0.2 - 10**	**-**
		41 (FBS) / 32 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		500	-	-	-
		30 / 6	- / -	- / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, for conducting direction see circuit diagram	gray	**STME 6-DIO/L-R HV**	①	3035691	50
	gray	**STME 6-DIO/R-L HV**	②	3035692	50
Terminal block, component can be soldered in	gray				

Ordering data

Type		Order No.	Pcs./Pkt.
STME 6-BE	①	3035688	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-DTME 6**	3034426	10
Spacer plate	gray	**DP-STMED 6**	3035690	50

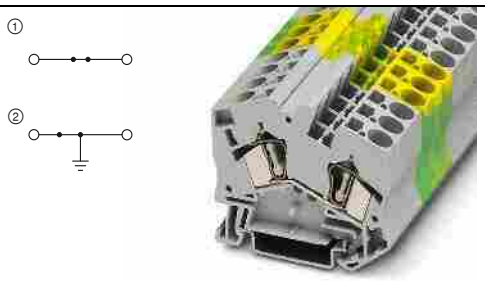
Accessories[1])

D-DTME 6	3034426	10
DP-STMED 6	3035690	50

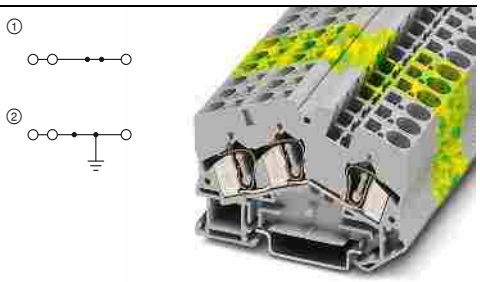
Desk-design terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 236.



57 A, feed-through terminal block



57 A, feed-through terminal block, 3 connections

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		8.2	**58**	**50 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		57	**800**	**0.2 - 10**	**24-8**
Maximum bridge current	[A]	41 (FBS) / 32 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	41 / 6	50 / -	50 / -	- / -

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		8.2	**70**	**50 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		57	**800**	**0.2 - 10**	**24-8**
		41 (FBS) / 32 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		800	600	600	-
		41 / 6	50 / -	50 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**STS 6**	①	3038121	50
	blue	**STS 6 BU**	①	3038134	50
Ground terminal	green-yellow	**STS 6-PE**	②	3038147	50

Ordering data

Type		Order No.	Pcs./Pkt.
STS 6-TWIN	①	3038150	50
STS 6-TWIN BU	①	3038163	50
STS 6-TWIN-PE	②	3038176	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-STS 6**	3038189	50

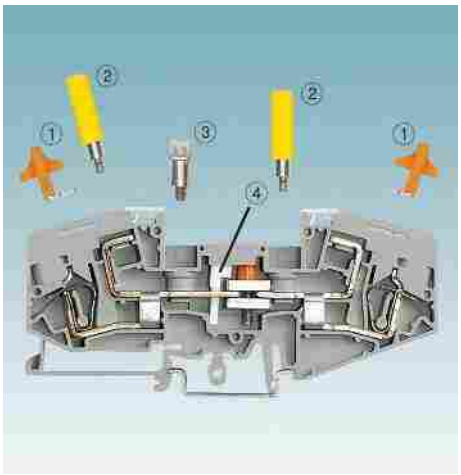
Accessories[1])

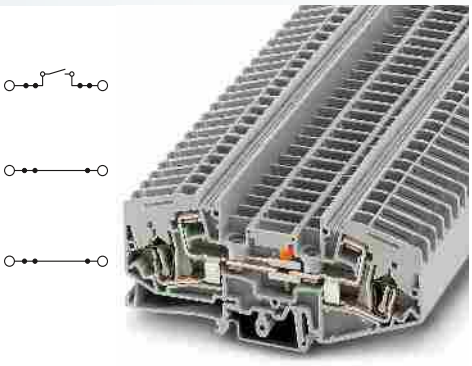
D-STS 6-TWIN	3038202	50

6 mm² ST spring-cage connection terminal blocks

Test disconnect terminal blocks

Notes:
For technical data, see page 236
S-URTK/SP switching lock can only be used with SRTK 6.





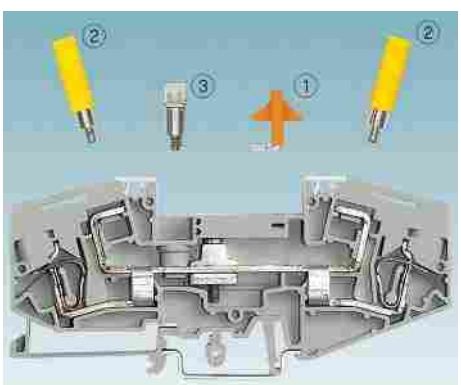
45 A, test disconnect terminal block

– The SRTK 6 measuring transducer disconnect terminal block and the SGSK 6 slide-type terminal block are specially designed for use in current transformer secondary circuits
– Only two SRTK 6 test disconnect terminal blocks are required for a current transformer measuring circuit
– Less space required compared to creating circuits with slide-type terminal blocks

① SB... switch bar
② 4 mm Ø test sockets PSBJ−URTK 6...
③ Fixed bridge for cross connection
FBRI 10−8 N
Switching lock S−URTK/SP

Slide-type terminal blocks

– Several measuring devices or protective relays can be connected individually using the SGSK 6 slide-type terminal block
– The slide can be connected with the switch bar depending on the switching tasks



SGSK 6 slide-type terminal block

Technical data

Dimensions			
Width	Length	Height NS 35/7,5	
8.2	**113**	**49**	
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
45	**400**	**0.2 - 10**	**18-8**
Rated data	IEC 60947-7-1		
IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400	300	-	-
Nominal current / cross section [A] / [mm²]	41 / 6	40 / -	-	-
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1.5
General data				
Disconnect slide: Thread / torque - / [Nm]	M3 / 0.6 - 0.8			
Torque: Test socket, fixed bridge, switch bar [Nm]	0.6 - 0.8			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Test disconnect terminal block		gray	**SRTK 6**		3029952	50
Slide-type terminal block		gray	**SGSK 6**		3029965	50
Feed-through terminal block		gray	**SRDK 6**		3029973	50

Accessories

Cover, width: 2 mm		gray	**D-SRTK 6**		3029981	10
Switching bridge, complete						
	2	orange	**SB 2-8-T**	41 A	3026366	10
	3	orange	**SB 3-8-T**	41 A	3026492	10
	4	orange	**SB 4-8-T**	41 A	3026379	10
for bridging between non-adjacent terminals	10	orange	**SB 10-8-T SO**	41 A	3026395	10
Fixed bridge, isolated						
	10	silver	**FBRI 10-8 N**	41 A	2772080	10
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide		white	**S-URTK/SP**		0311155	50
Test socket, insulated		transparent	**PSBJ-URTK 6 FARBLOS**		3026450	10
		blue	**PSBJ-URTK 6 BU**		3026434	10
		yellow	**PSBJ-URTK 6 YE**		3026405	10
		green	**PSBJ-URTK 6 GN**		3026418	10
		violet	**PSBJ-URTK 6 VT**		3026421	10
		black	**PSBJ-URTK 6 BK**		3026447	10
		gray	**PSBJ-URTK 6 GY**		3026612	10
		brown	**PSBJ-URTK 6 BN**		3026971	10
		red	**PSBJ-URTK 6 RD**		3026719	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos.		black	**KSSI 2-8**		3000722	10
4-pos.		black	**KSSI 4-8**		3000735	10
Screwdriver			**SZF 2-0,8X4,0**		1204520	10
Center groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)**			

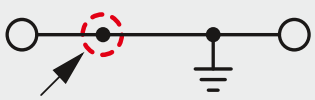
10 mm² ST spring-cage connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	10			
Cross section range	AWG	24 - 6			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 16	0.2 - 10	0.25 - 10	0.25 - 10
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	1.5 - 2.5
General data					
Stripping length	[mm]	18			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



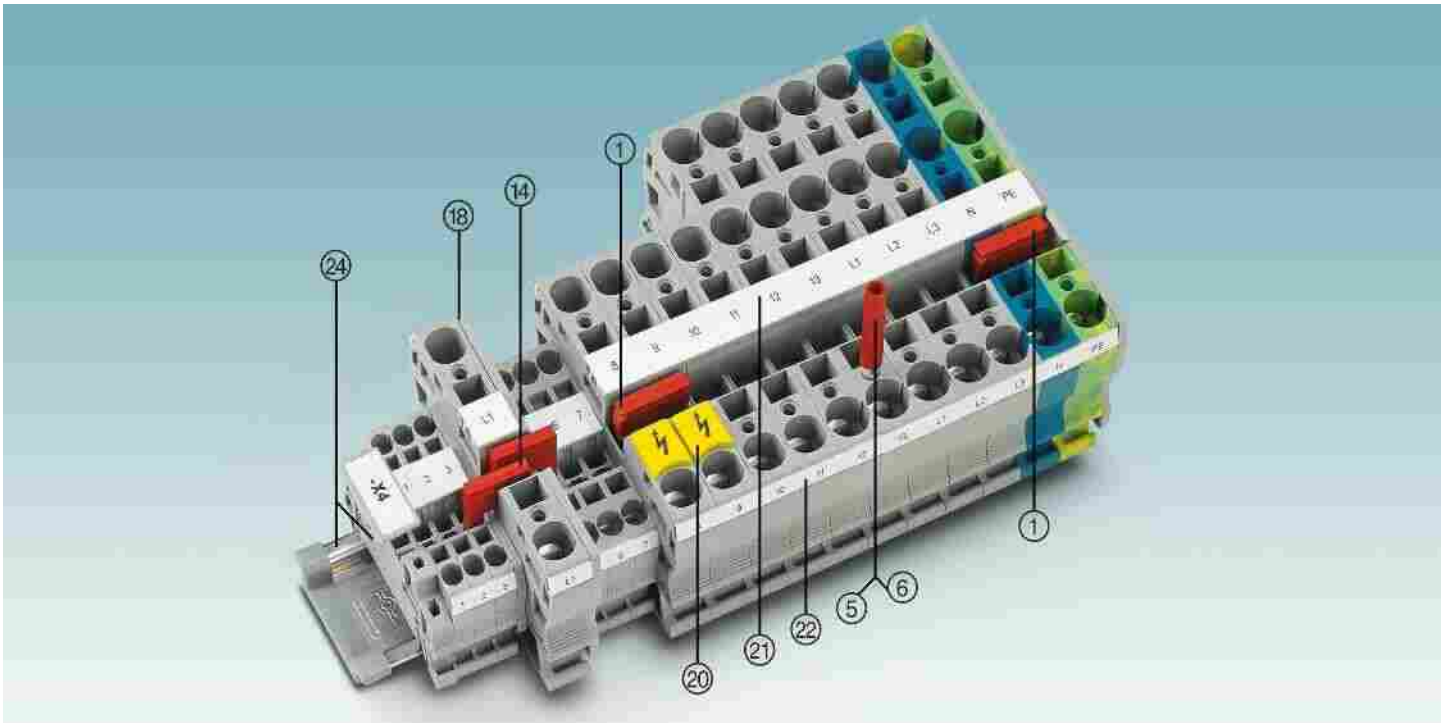
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-10**	3005947	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Screwdriver			**SZF 3-1,0X5,5**	1206612	10			

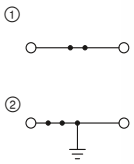
Reducing bridge	**For RB ..., see page 408.**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Center groove labeling	**UC-TM 10, UCT-TM 10 or ZB 10. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 10, UCT-TMF 10 or ZBF 10. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through, multi-conductor, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 242.

For information on installation and using accessories for Ex applications, see page 678.



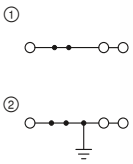
65 A, feed-through terminal block

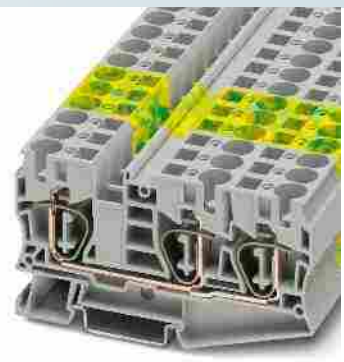
Ex: EAC Ex
KEMA 01ATEX2260 U / IECEx KEM 06.0033U

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**10.2**	**71.5**	**50.3 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	65	**1000**	**0.2 - 16**	**16-6**
Maximum bridge current [A]	57			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000	600	600	550
Nominal current / cross section [A] / [mm²]	57 / 10	65 / -	65 / -	51 / 10

Ordering data			
Type		**Order No.**	Pcs./Pkt.
ST 10	①	3036110	50
ST 10 BU	①	3036123	50
ST 10-PE	②	3036136	50

Accessories[1])			
D-ST 10		3036644	50





57 A, feed-through terminal block, 3 connections

Technical data[1])				
Width	Length	Height		
10.2	**95.4**	**50.3 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
57	**1000**	**0.2 - 16**	**16-6**	
57				
IEC	UL / CUL	CSA	Ex	
1000	600	600	-	
57 / 10	60 / -	55 / -	- / -	

Ordering data			
Type		**Order No.**	Pcs./Pkt.
ST 10-TWIN	①	3035288	25
ST 10-TWIN BU	①	3035292	25
ST 10-TWIN-PE	②	3035302	25

Accessories[1])			
D-ST 10-TWIN		3035315	50

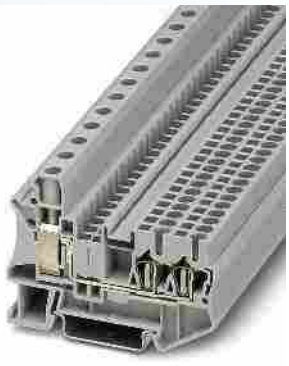
Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow
Cover, width: 2.2 mm	gray

10 mm² ST spring-cage connection terminal blocks

Hybrid terminal blocks with screw connection on one side, 16 (16) mm²

Notes:

For additional accessories and technical data, see page 242.



57 A, potential collective terminal block, 4 inputs 2.5 mm²

Technical data

Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]	**10.3**	**68**	**48.3**
Maximum electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	57	**800**	**0.5 - 16**	**20-8**
Rated data, screw connection	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	55 / 10	50 / -	-	-
Cross section range	AWG	20 - 6	20-8	-	-
Connection capacity screw connection		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
2 conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 6
Rated data, spring-cage connection	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	50 / -	-	-
Cross section range	AWG	24 - 10	20-8	-	-
Connection capacity spring-cage connection		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.14 - 0.5
General data					
Stripping length	[mm]	8 - 10			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block		gray	**STU 10/ 4X2,5**		3033139	50
		blue	**STU 10/ 4X2,5 BU**		3033142	50

Accessories

Pick-off terminal block, for snapping into the lateral guide		gray	**AGK 4-UT 10**		3047112	50
Cover, width: 2.2 mm		gray	**D-STU 10/ 4X2,5**		3033197	50
Plug-in bridge						
	2	red	**FBS 2-5**	24 A	3030161	50
	3	red	**FBS 3-5**	24 A	3030174	50
	4	red	**FBS 4-5**	24 A	3030187	50
	5	red	**FBS 5-5**	24 A	3030190	50
	10	red	**FBS 10-5**	24 A	3030213	10
Screwdriver			**SZF 2-0,8X4,0**		1204520	10
Center and side groove labeling			**UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)**			

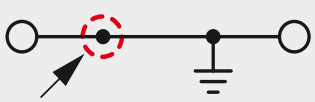
16 mm² ST spring-cage connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	16			
Cross section range	AWG	24 - 4			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 25	0.2 - 16	0.25 - 16	0.25 - 16
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	1.5 - 4
General data					
Stripping length	[mm]	18			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



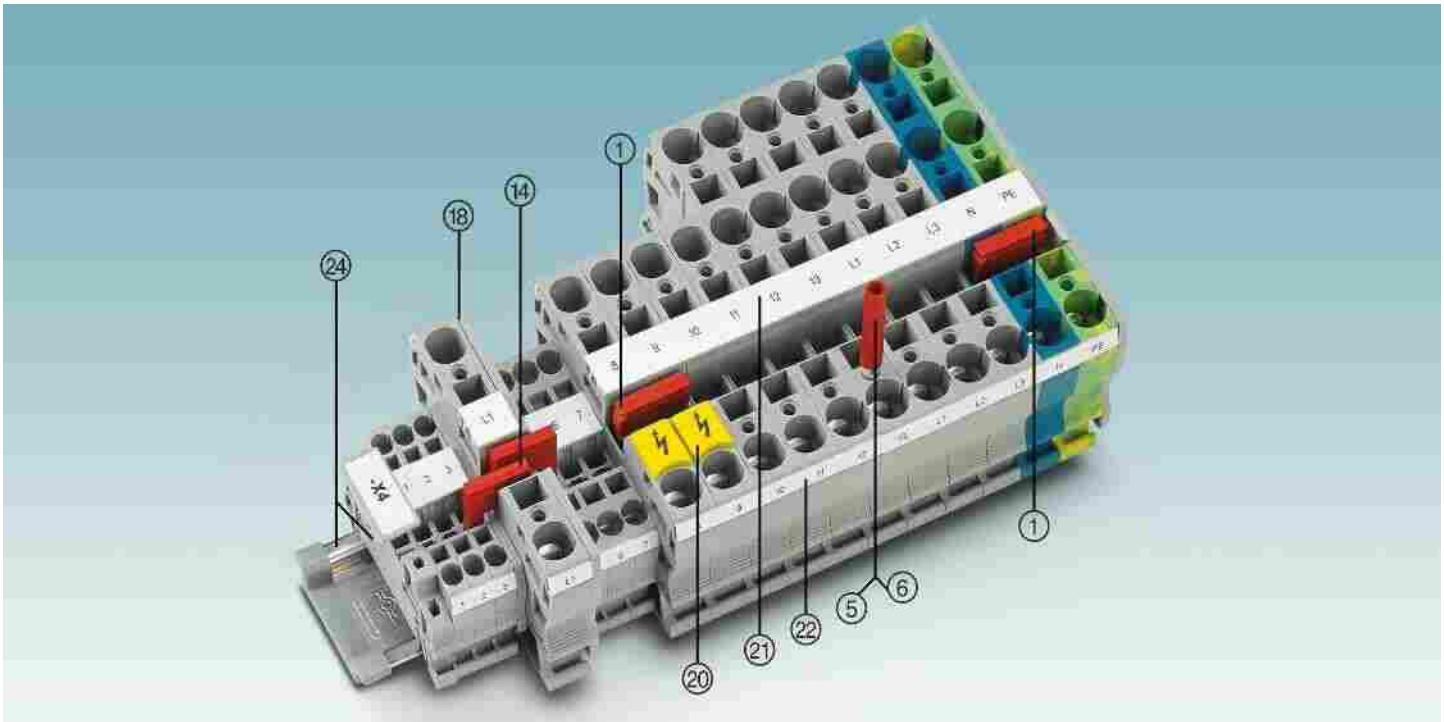
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-12**	3005950	10
Test plug metal part		gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10
Screwdriver			**SZF 3-1,0X5,5**	1206612	10

Type	Order No.	Pcs./Pkt.

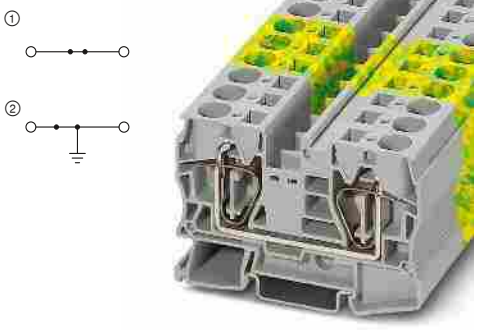
Reducing bridge	**For RB ..., see page 408.**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Center groove labeling	**UC-TM 12, UCT-TM 12 or ZB 12. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 12, UCT-TMF 12 or ZBF 12. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through, multi-conductor, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 246.

For information on installation and using accessories for Ex applications, see page 678.



90 A, feed-through terminal block

Ex: EAC Ex
KEMA 01ATEX2260 U / IECEx KEM 06.0033U

Technical data[1])

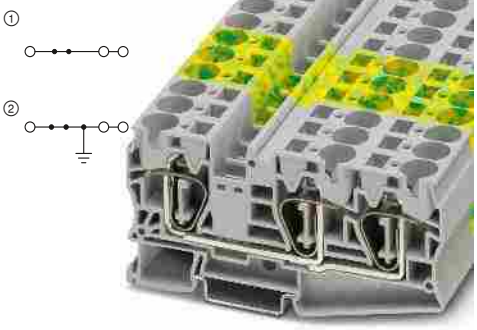
Dimensions				
	Width	Length	Height	
[mm]	**12.2**	**80**	**51.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	90	**1000**	**0.2 - 25**	**16-4**
Maximum bridge current [A]	76			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000	600	600	550
Nominal current / cross section [A] / [mm²]	76 / 16	85 / -	85 / -	64.5 / 16

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**ST 16**	①	3036149	50
	blue	**ST 16 BU**	①	3036152	50
Ground terminal	green-yellow	**ST 16-PE**	②	3036165	25

Accessories[1])

Cover, width: 2.2 mm	gray	**D-ST 16**	3036657	50



76 A, feed-through terminal block, 3 connections

Technical data[1])

	Width	Length	Height	
	12.2	**107.8**	**51.5 (NS 35/7,5)**	
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	76	**1000**	**0.2 - 25**	**16-4**
	76			
	IEC	UL / CUL	CSA	Ex
	1000	600	600	-
	76 / 16	85 / -	75 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
ST 16-TWIN	①	3035328	25
ST 16-TWIN BU	①	3035331	25
ST 16-TWIN-PE	②	3035344	25

Accessories[1])

D-ST 16-TWIN	3035357	50

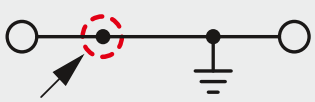
35 mm² ST spring-cage connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2			
Rated cross section	[mm²]	35			
Cross section range	AWG	14 - 2			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	2.5 - 35	2.5 - 35	2.5 - 35	2.5 - 35
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	2.5 - 10
General data					
Stripping length	[mm]	25			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



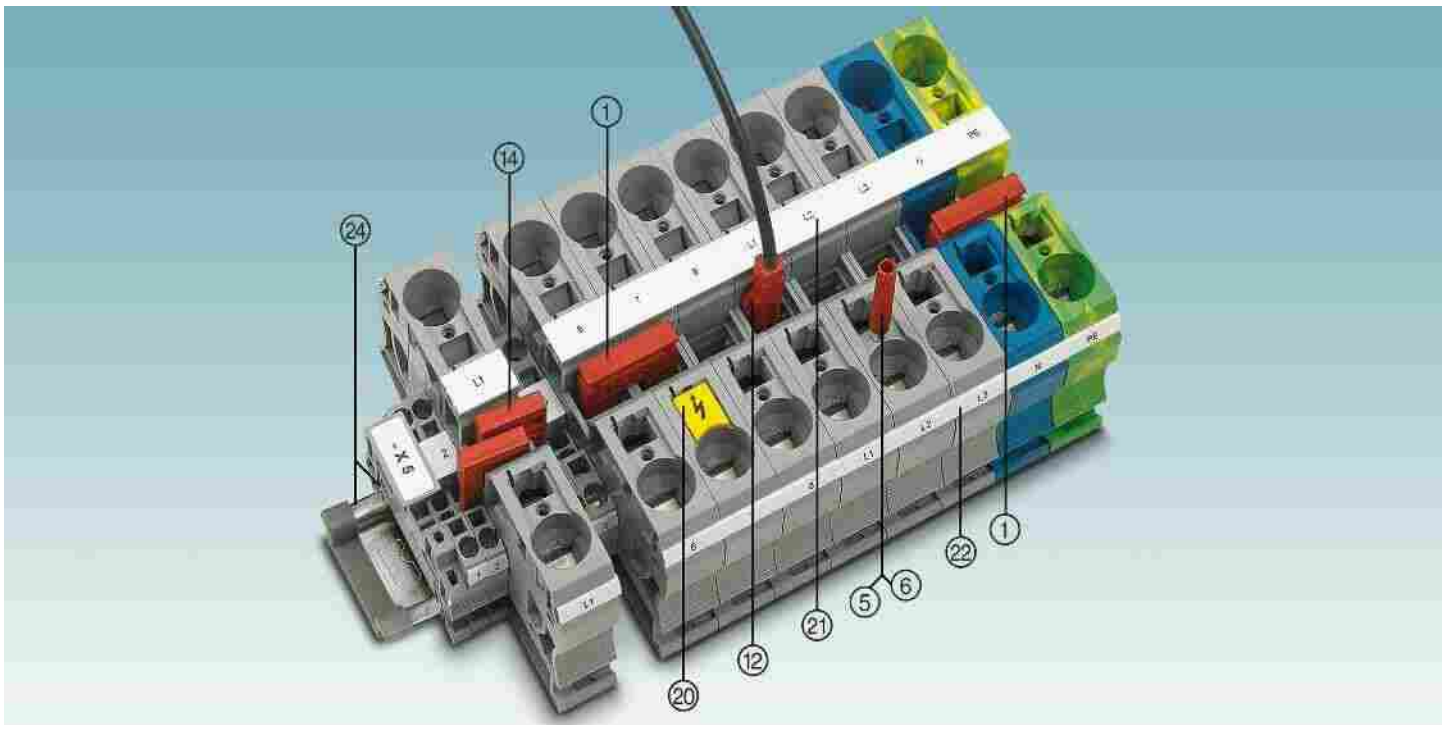
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories

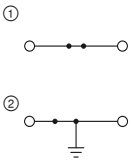


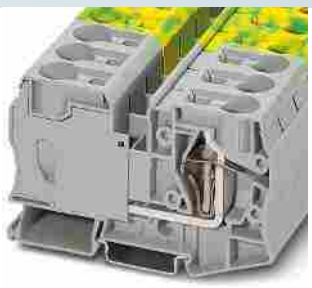
Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-16**	3005963	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test plug, with 2.5 mm² conductor		red	**PAI-ST 35/1000MM**	3029994	20			
Screwdriver			**SZF 3-1,0X5,5**	1206612	10			

Reducing bridge	**For RB ..., see page 408.**
Warning labels	**For WS ..., see page 420.**
Center groove labeling	**UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 3, selection tables from page 60.**
Center and side groove labeling	**UC-TMF 16, UCT-TMF 16 or ZBF 16. See also Catalog 3, selection tables from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through and ground terminal blocks

Notes:
1) For additional accessories and technical data, see page 248.
For information on installation and using accessories for Ex applications, see page 678.





125 A, feed-through terminal block

Ex: EAC Ex
KEMA 01ATEX2260 U / IECEx KEM 06.0033U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**16**	**100**	**59 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		125	**1000**	**2.5 - 35**	**14-2**
Maximum bridge current	[A]	101			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	690
Nominal current / cross section	[A] / [mm²]	125 / 35	115 / -	115 / -	107.5 / 35

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**ST 35**	①	3036178	10
	blue	**ST 35 BU**	①	3036181	10
Ground terminal	green-yellow	**ST 35-PE**	②	3036194	10

Hybrid terminal blocks with screw connection on one side

– Rated voltage of 1000 V

Notes:
1) The max. load current must not be exceeded by the total current of all connected conductors.
For additional accessories and technical data, visit phoenixcontact.net/products
For screw connection rated data, visit phoenixcontact.net/products
For further plug-in bridges, see page 402.

125 A (screw connection), potential collective terminal block, 4 inputs 10 mm²

Technical data

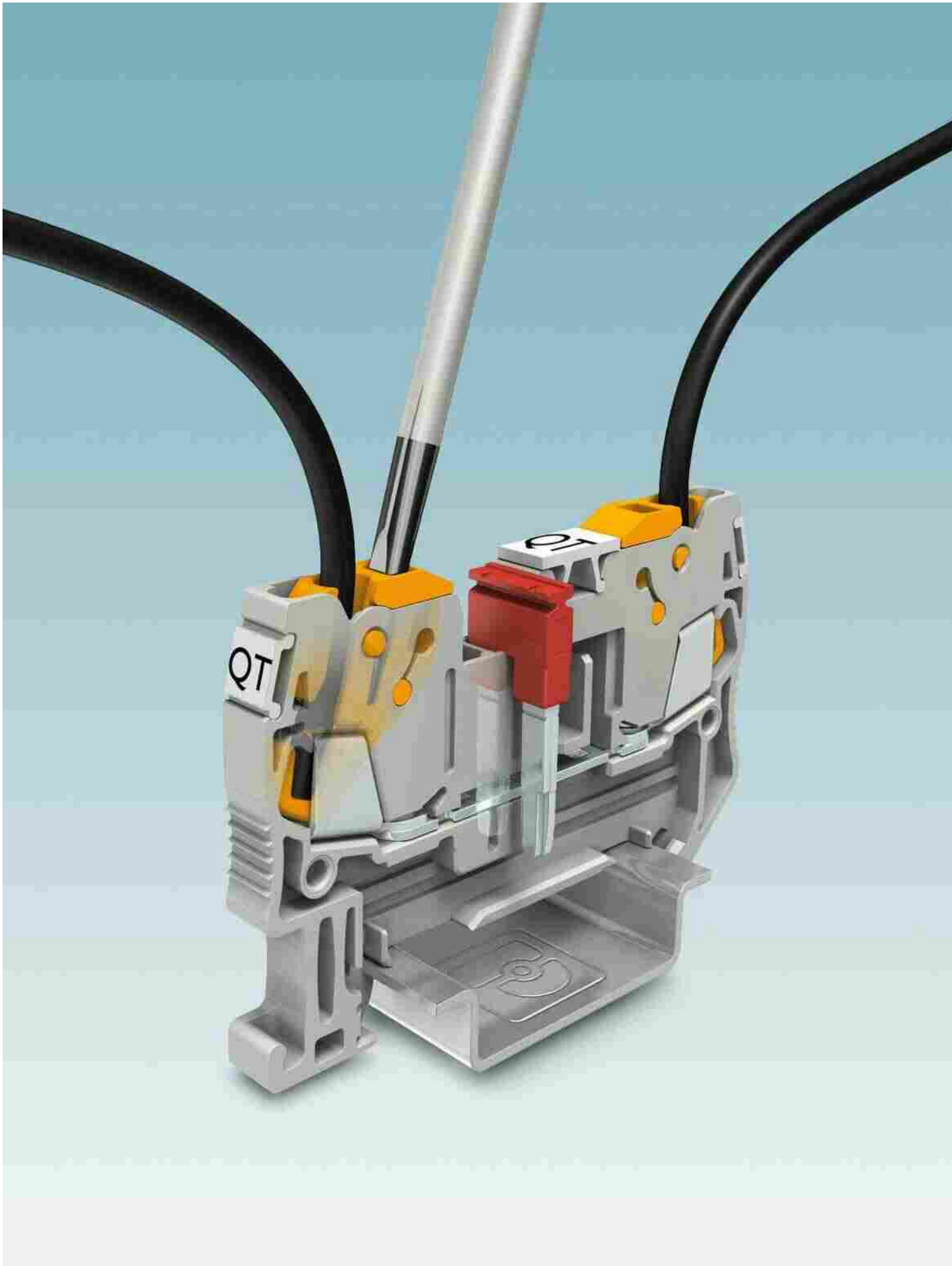
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**16.2**	**86**	**46.8**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41[1])	**1000**	**0.2 - 10**	**14-2**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	1000	-	-
Nominal current / cross section	[A] / [mm²]	41[1]) / 6	115 / -	-	-
Cross section range	AWG	24 - 8	14-2	-	-
General data					
Stripping length	[mm]	12			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.
Terminal block		gray	**STU 35/ 4X10**	3033126	25
		blue	**STU 35/ 4X10 BU**	3033210	25

Accessories

Plug-in bridge					
2-pos.	2	red	**FBS 2-8**	3030284	10


QT
QT

QT fast connection terminal blocks

The use of QT fast connection terminal blocks can save up to 60 percent of the time required for wiring. The conductors simply need to be cut to length for contacting in a matter of seconds. It is no longer necessary to strip or to fit splicing protection. An important characteristic is the space-saving twist connection with patented insulation displacement contact.

The start and end positions of the conductor connection are clearly identified by engagement points. When a conductor is connected, the insulation is cut open, displaced, and the conductor is securely engaged in the end position where it makes a large-area, gas-tight contact. Rigid and flexible conductors from 0.25 to 2.5 mm² can be wired without aids such as guide ferrules.

The high quality of the QT fast connection terminal blocks is proven by the fact that this connection technology features various approvals and is certified under the standard for Ex e applications.

Your web code: #0162

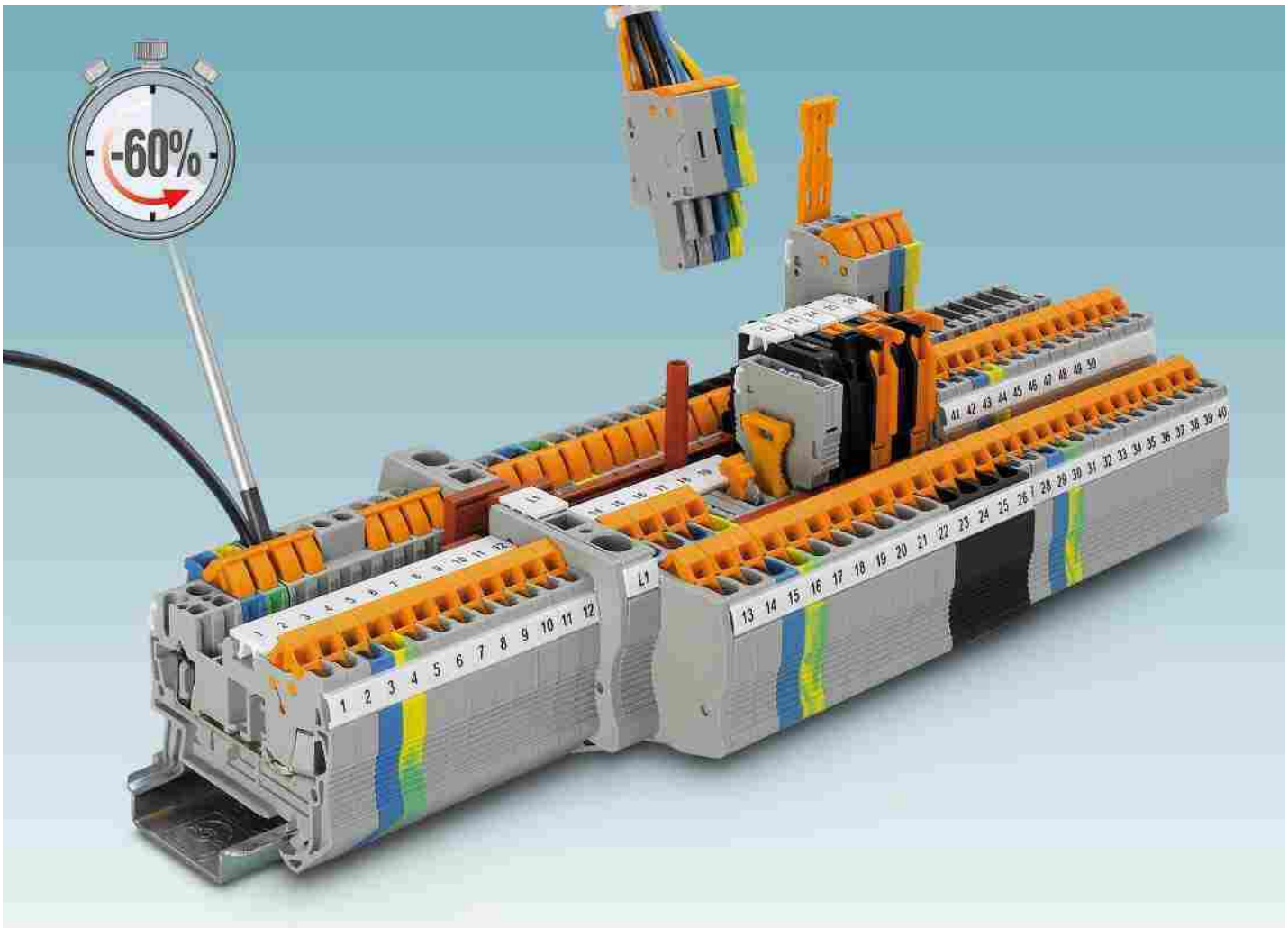
Product range overview

1.5 mm²

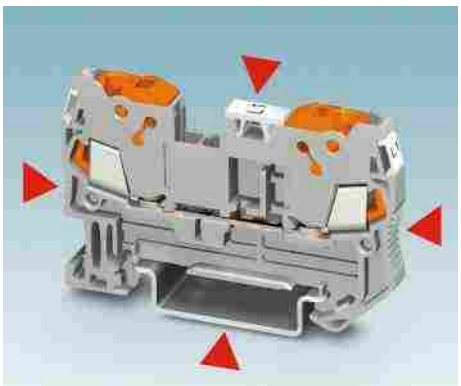
Feed-through, multi-conductor, multi-level, and ground terminal blocks	**257**
Disconnect terminal blocks	**258**
Knife disconnect terminal blocks	**259**
Diode terminal blocks	**259**
Hybrid terminal blocks with screw connection on one side	**260**
Hybrid feed-through terminal blocks with spring-cage connection on one side	**261**

2.5 mm²

Feed-through and multi-conductor terminal blocks	**263**
Disconnect terminal blocks	**263**
Knife disconnect terminal blocks	**263**
Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape	**264**
Hybrid terminal blocks with screw connection on one side	**264**
Hybrid feed-through terminal blocks with spring-cage connection on one side	**265**



Your web code: #0162

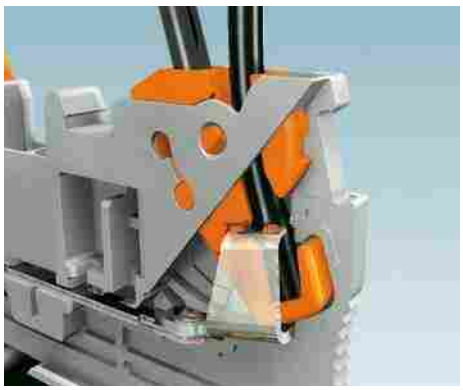


Space-saving design

The QUICKON QT series is characterized by the IDC connection. This allows space to be saved without limiting the quality features in any way:
– Large-surface marking
– Maximum connection space
– Flexible plug-in bridge system

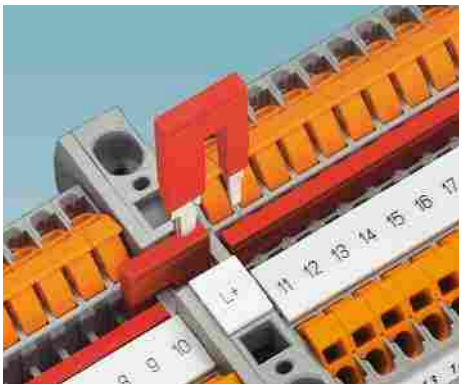
Trim to length, connect, job done

Time savings of 60 percent or more compared with other connection technologies. With QUICKON fast connection technology, there is no need for stripping or for fitting splicing protection. The conductors simply need to be cut to length for contacting in a matter of seconds.

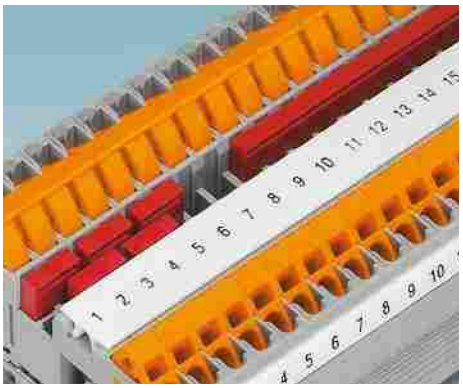


Powerful cutting contact

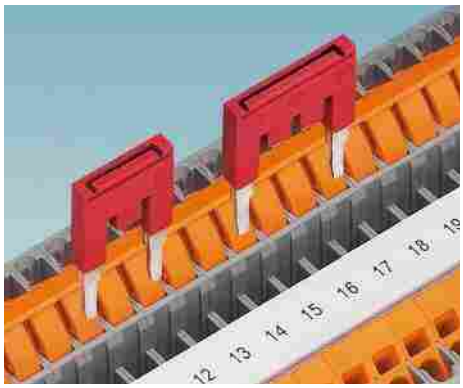
The 0.25 to 2.5 mm² conductor connection is provided by the patented cutting contact. High-quality special alloys and latches for the switching states ensure safe electrical connections at all times. Large, spring-mounted contact points guarantee 24 A current-carrying capacity.



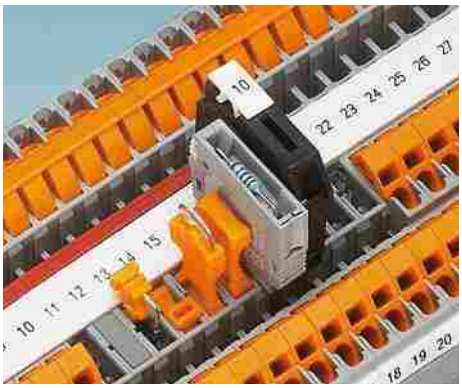
The reducing bridge enables time-saving and low-cost potential distribution when supplying large cross sections. The reducing bridge connects, e.g., an ST 10 terminal block to a QTC 1,5 or QTC 2,5.



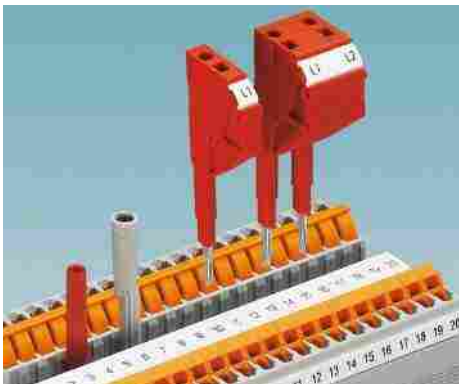
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2- to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



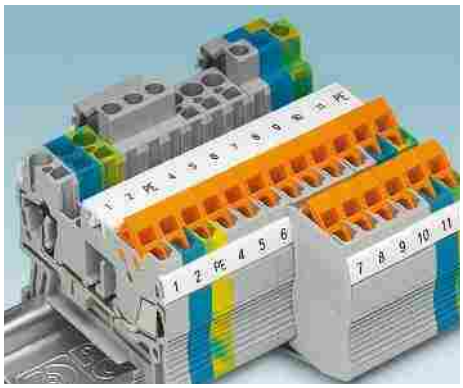
Non-adjacent terminal blocks can be bridged by removing individual forks from the standard bridge. Two potentials can then be routed in parallel. There is scope for marking on the top of the bridge.



The isolated feed-through connector P-FIX, isolating connector P-DI, component connector P-CO and the cartridge fuse connector P-FU with a 5.2 mm pitch can be used in the universal plug-in zone of the disconnect terminal block.

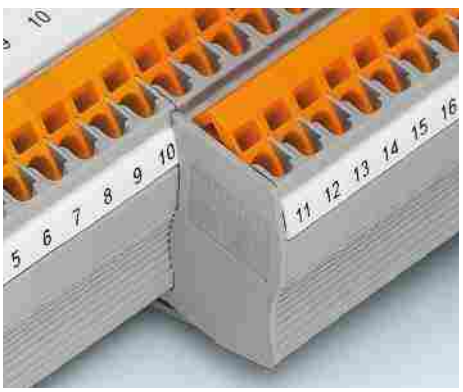


For measuring lines, a test plug with 2.3 mm diameter is available. All measurement and testing tasks can be carried out quickly using test adapters for 4 mm diameter test plugs and the alignable test plugs.

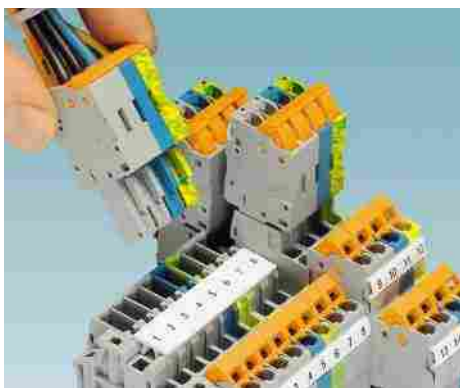


The hybrid versions combine the time-saving fast connection technology with the benefits of the screw or spring-cage method.

Lever-type fuse terminal blocks are also available to suit the function terminal blocks. The retentive fuse holders can be used in a black housing with a micro fuse or in an orange housing with a contact metal.



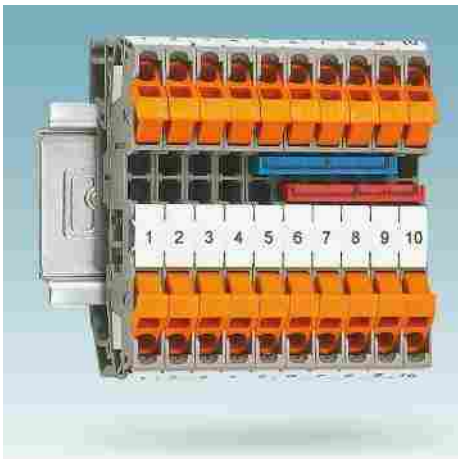
Overhanging terminal block segments of three-conductor and four-conductor terminal blocks should be covered with cover segments when adding two-conductor terminal blocks. Fingers are thereby protected from contact.



QT COMBI basic terminal blocks and plugs with fast connection are available for the plug-in configuration of signal wiring with fast connection. See “COMBI” section, page 267.

QT fast connection terminal blocks

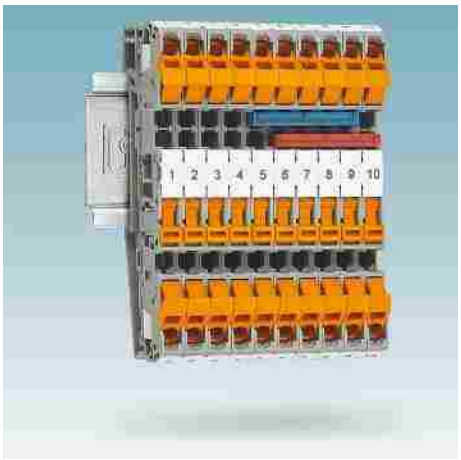
QT ... feed-through terminal blocks



- Time savings of up to 60 percent during connection as no conductor pretreatment is required
- Easy to operate and use, thanks to the patented insulation displacement contact
- Universal use, thanks to large cross section range
- Space saving, thanks to the compact design

Your web code: #0053

QT ... disconnect and knife disconnect terminal blocks



- Convenient separation of circuits using lever-type disconnect knife, isolating plug or rotary contact
- User-friendly current measurement, thanks to testing facility either side of the disconnect point
- Safe operation as the disconnect lever is locked in the end positions
- Clear identification of the disconnect point, thanks to color highlighting
- Easy handling of the disconnect knife using a standard screwdriver

Your web code: #0054

QTCU ... and QTCS ... hybrid terminal blocks

- Meet requirements for internal and external wiring at the same time as different connection methods are integrated in a single terminal block
- Free choice of connection technology, thanks to two combination options
- Versions with fast connection/spring-cage connection or fast connection/screw connection
- Uniform distances from cable ducts
- Feed-through and ground terminal blocks of the same shape

Your web code: #0055

QT ... fuse terminal blocks

– Compact design
– Two function shafts mean that all potential distribution tasks can be undertaken at speed
– QTC 2,5-TG / -MT function terminal blocks of the same shape are available
– Test connection on both sides in safety lever
– The product range is rounded off with versions with an LED display to indicate that a fuse has tripped

Your web code: #0162

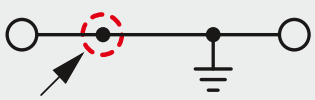
1.5 mm² QT fast connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2
Rated cross section	[mm²]	1.5
Cross section range	AWG	24 - 16
Connection cross section in acc. with DIN VDE 0295		
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5
Class 5 / Class 6 [litz wires Ø 0.1 mm]	[mm²]	0.25 - 0.34
[Litz wires Ø 0.19 mm]	AWG	24 - 16
Frequency of connections with the same cross section		100
Other conductor types and materials on request.		
General data		
Insulating material		PA
Flammability rating in accordance with UL 94		V0
Wire diameter incl. insulation		3 mm

Note: Additional or deviating data is listed alongside the respective product.

Notes:



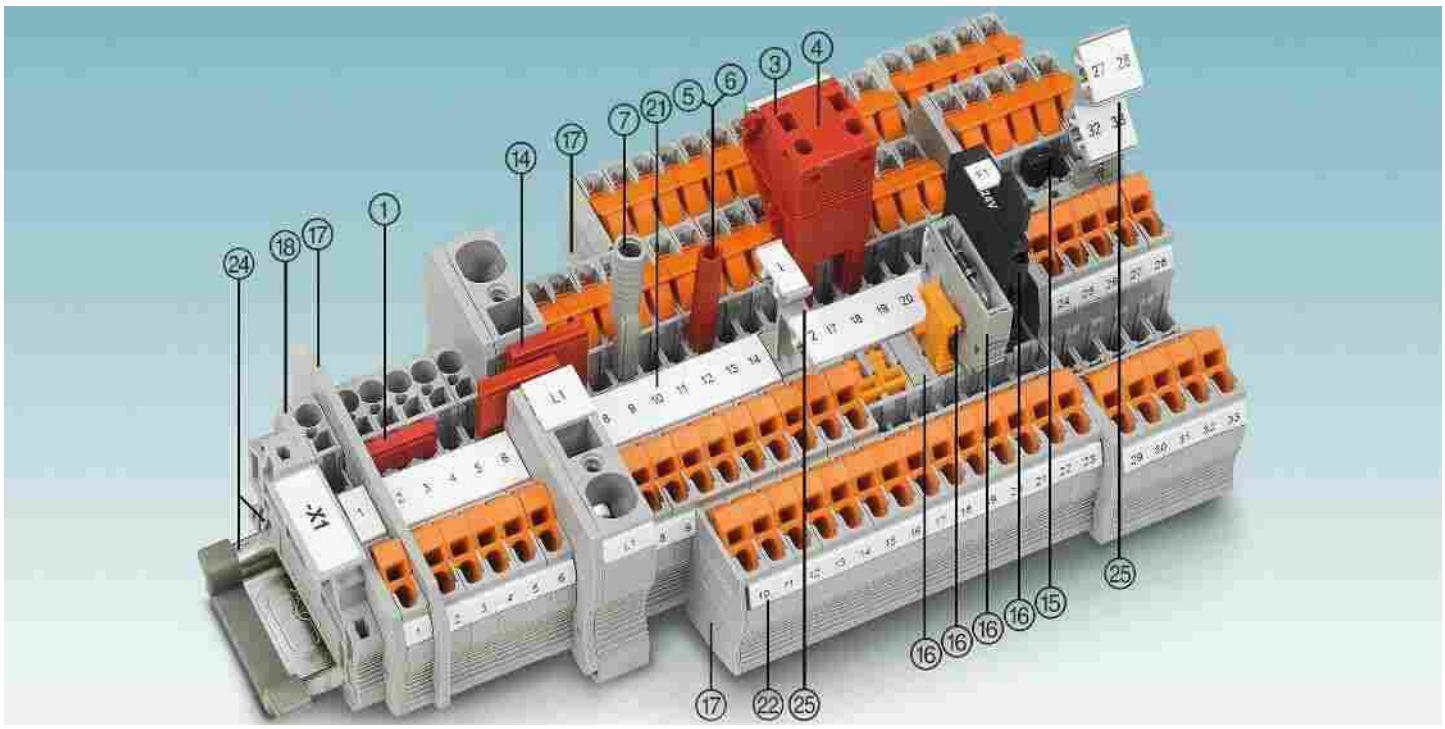
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-5**	3030161	50	**FBSR 2-5**	3033702	50
	3	red	**FBS 3-5**	3030174	50	**FBSR 3-5**	3001591	50
	4	red	**FBS 4-5**	3030187	50	**FBSR 4-5**	3001592	50
	5	red	**FBS 5-5**	3030190	50	**FBSR 5-5**	3001593	50
	10	red	**FBS 10-5**	3030213	10	**FBSR 10-5**	3033710	10
	20	red	**FBS 20-5**	3030226	10			
③ **Modular test plug**		red	**PS-5**	3030983	10			
Spacer plate		red	**DP PS-5**	3036725	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Screwdriver			**SZF 1-0,6X3,5**	1204517	10			

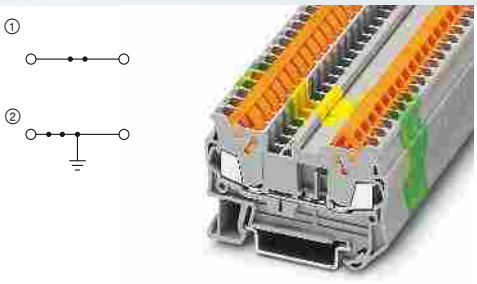
Reducing bridge	**For RB ..., see page 408.**
Vertical potential bridge	**For FBS ..., see page 404.**
Fuse and function plugs for disconnect terminal blocks	**For P-FU ... / P-DI / P-FIX / P-CO ..., see from page 414.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
Marker carrier	**For STP ..., see page 418.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through and multi-conductor terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 256.

For information on installation and using accessories for Ex applications, see page 678.



17.5 A, feed-through terminal block

Ex: EAC Ex
KEMA 03ATEX2557U / IECEx KEM 07.0015U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**58.8**	**39.3 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**800**	**0.25 - 1.5**	**24-16**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	16 / 1.5

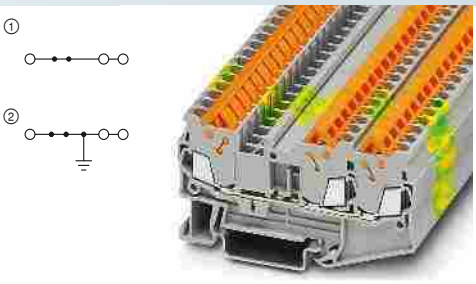
Ordering data

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow

Type		Order No.	Pcs./Pkt.
QTC 1,5	①	3205019	50
QTC 1,5 BU	①	3205022	50
QTC 1,5-PE	②	3205035	50

Accessories[1])

Cover, width: 2.2 mm, gray	**D-QTC 1,5**	3205161	50



17.5 A, feed-through terminal block, 3 connections

Ex: EAC Ex
KEMA 03ATEX2557U / IECEx KEM 07.0015U

Technical data[1])

		Width	Length	Height	
		5.2	**76.4**	**39.3 (NS 35/7,5)**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**800**	**0.25 - 1.5**	**24-16**
		24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		800	600	600	550
		17.5 / 1.5	10 / -	10 / -	16 / 1.5

Ordering data

Type		Order No.	Pcs./Pkt.
QTC 1,5-TWIN	①	3205048	50
QTC 1,5-TWIN BU	①	3205051	50
QTC 1,5-TWIN-PE	②	3205064	50

Accessories[1])

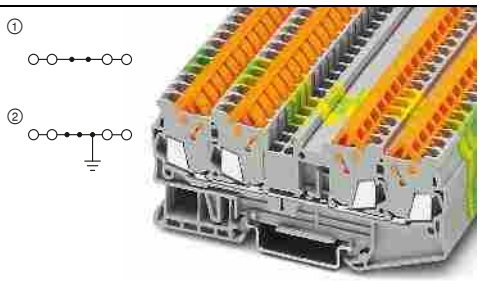
D-QTC 1,5-TWIN		3205190	50

Multi-conductor terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 256.

For information on installation and using accessories for Ex applications, see page 678.



17.5 A, feed-through terminal block, 4 connections

Ex: EAC Ex
KEMA 03ATEX2557U / IECEx KEM 07.0015U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**5.2**	**94**	**39.3 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**800**	**0.25 - 1.5**	**24-16**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	16 / 1.5

Ordering data

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow

Type		Order No.	Pcs./Pkt.
QTC 1,5-QUATTRO	①	3205077	50
QTC 1,5-QUATTRO BU	①	3205080	50
QTC 1,5-QUATTRO-PE	②	3205093	50

Accessories[1])

Cover, width: 2.2 mm, gray	**D-QTC 1,5-QUATTRO**	3205174	50

1.5 mm² QT fast connection terminal blocks

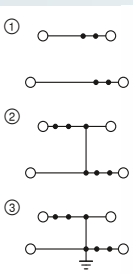
Multi-level and disconnect terminal blocks

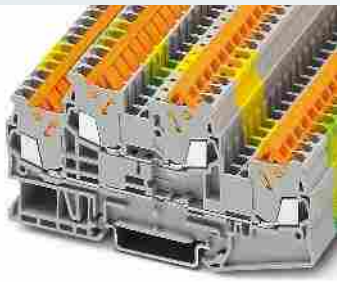
Notes:

1) For additional accessories and technical data, see page 256.

2) Current and voltage are determined by the plug used.

For information on installation and using accessories for Ex applications, see page 678.





17.5 A, double-level terminal block

Ex: EAC Ex
KEMA 03ATEX2557U / IECEx KEM 07.0015U

Technical data1)

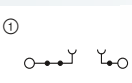
Dimensions				
	[mm]	Width	Length	Height
		5.2	**99.6**	**49.9 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		17.5	**500**	**0.25 - 1.5** / **24-16**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / 440
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / - / 15 / 1.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**QTTCB 1,5**	①	3205116	50
	blue	**QTTCB 1,5 BU**	①	3205129	50
With potential distribution	gray	**QTTCB 1,5-PV**	②	3205153	50
Ground terminal	green-yellow	**QTTCB 1,5-PE**	③	3205132	50

Accessories1)

Cover, width: 2.2 mm	gray	**D-QTTCB 1,5**	3205187	50



17.5 A, disconnect terminal block

Technical data1)

Width	Length	Height	
5.2	**76.4**	**39.3 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5²)	**400²)**	**0.25 - 1.5**	**24-16**
16 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400²)	600	600	-
17.5 / 1.5	10 / -	10 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
QTC 1,5-TG	①	3205145	50

Accessories1)

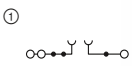
D-QTC 1,5-TWIN	3205190	50

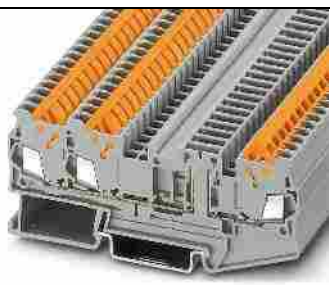
Disconnect terminal blocks

Notes:

1) For additional accessories and technical data, see page 256.

2) Current and voltage are determined by the plug used.





17.5 A, disconnect terminal block, 3 connections

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		5.2	**94**	**39.3 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		17.5	**400²)**	**0.25 - 1.5** / **-**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	400²)	-	- / -
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	- / -	- / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Disconnect terminal block	gray	**QTC 1,5-TWIN-TG**	①	3050413	50

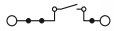
Accessories1)

Cover, width: 2.2 mm	gray	**D-QTC 1,5-QUATTRO**	3205174	50

Knife disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 256.

① 

17.5 A, knife disconnect terminal block

①

17.5 A, knife disconnect terminal block, 3 connections

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
5.2	**76.4**	**39.3 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5	**400**	**0.25 - 1.5**	**24-16**
16 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	600	600	-
17.5 / 1.5	10 / -	10 / -	- / -

Technical data[1])

Width	Length	Height	
5.2	**94**	**39.3 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5	**400**	**0.25 - 1.5**	**-**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	-	-	-
17.5 / 1.5	- / -	- / -	- / -

Ordering data

Description	Color
Knife disconnect terminal block	gray

Type	Order No.	Pcs./Pkt.
QTC 1,5-MT ①	3205103	50

Accessories[1])

Cover, width: 2.2 mm	gray	

Type	Order No.	Pcs./Pkt.
D-QTC 1,5-TWIN	3205190	50

Ordering data

Type	Order No.	Pcs./Pkt.
QTC 1,5-TWIN-MT ①	3050407	50

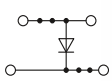
Accessories[1])

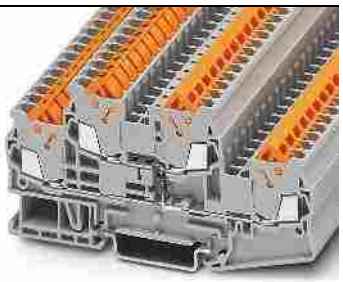
Type	Order No.	Pcs./Pkt.
D-QTC 1,5-QUATTRO	3205174	50

Diode terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 256.

① 



17.5 A, double-level diode terminal block, 1N 4007 (1300 V/0.5 A)

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
5.2	**99.6**	**49.9 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5	**500**	**0.25 - 1.5**	**24-16**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
17.5 / 1.5	10 / -	10 / -	- / -

Ordering data

Description	Color
Terminal block, for conducting direction see circuit diagram	gray

Type	Order No.	Pcs./Pkt.
QTTCB 1,5-DIO/O-U ①	3206241	50

Accessories[1])

Cover, width: 2.2 mm	gray	

Type	Order No.	Pcs./Pkt.
D-QTTCB 1,5	3205187	50

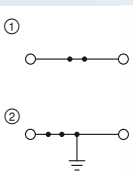
Hybrid terminal blocks with screw connection on one side, 2.5 (4) mm²

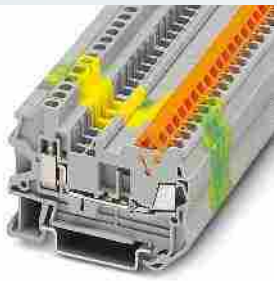
Notes:

[1]) For additional accessories and technical data, see page 256.

[2]) For screw connection rated data, visit phoenixcontact.net/products

For information on installation and using accessories for Ex applications, see page 678.





17.5 A, feed-through terminal block

Ex: EAC Ex
KEMA 04ATEX2226 U / IECEx KEM 07.0007U

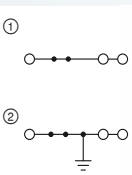
Dimensions		Width	Length	Height	
	[mm]	5.2	58.8	42.8 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	800	0.25 - 1.5	24-16
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data[2])		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	550
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	16.5 / 1.5

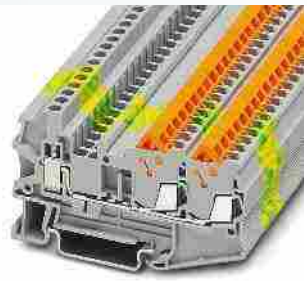
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**QTCU 1,5**	①	3050015	50
	blue	**QTCU 1,5 BU**	①	3050028	50
Ground terminal	green-yellow	**QTCU 1,5-PE**	②	3050031	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-QTCU 1,5**	3206283	50





17.5 A, feed-through terminal block, 3 connections

Ex: EAC Ex
KEMA 04ATEX2226 U / IECEx KEM 07.0007U

		Width	Length	Height	
		5.2	76.4	42.8 (NS 35/7,5)	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	800	0.25 - 1.5	24-16
		24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		800	600	600	550
		17.5 / 1.5	10 / -	10 / -	17.5 / 1.5

Ordering data

Type		Order No.	Pcs./Pkt.
QTCU 1,5-TWIN	①	3050044	50
QTCU 1,5-TWIN BU	①	3050057	50
QTCU 1,5-TWIN-PE	②	3050060	50

Accessories[1])

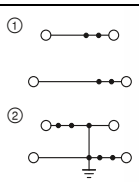
D-QTCU 1,5-TWIN	3206296	50

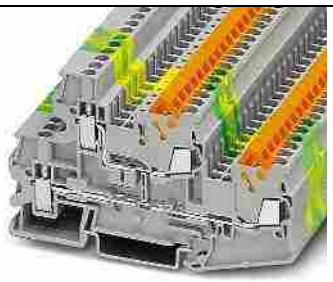
Double-level hybrid terminal blocks with screw connection on one side, 2.5 (4) mm²

Notes:

[1]) For additional accessories and technical data, see page 256.

[2]) For screw connection rated data, visit phoenixcontact.net/products





17.5 A, double-level terminal block

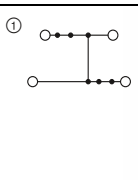
Dimensions		Width	Length	Height	
	[mm]	5.2	93.5	55.5 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	500	0.25 - 1.5	24-16
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data[2])		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	10 / -	- / -

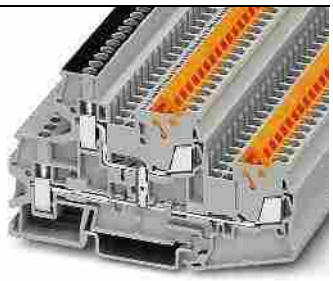
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**QTTCBU 1,5**	①	3050264	50
	blue	**QTTCBU 1,5 BU**	①	3050280	50
	gray				
Ground terminal	green-yellow	**QTTCBU 1,5-PE**	②	3050277	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-QTTCBU 1,5**	3050536	50





17.5 A, double-level terminal block with equipotential bonder

		Width	Length	Height	
		5.2	93.5	55.5 (NS 35/7,5)	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	500	0.25 - 1.5	24-16
		24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		500	600	600	-
		17.5 / 1.5	10 / -	10 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
QTTCBU 1,5-PV	①	3050361	50

Accessories[1])

D-QTTCBU 1,5	3050536	50

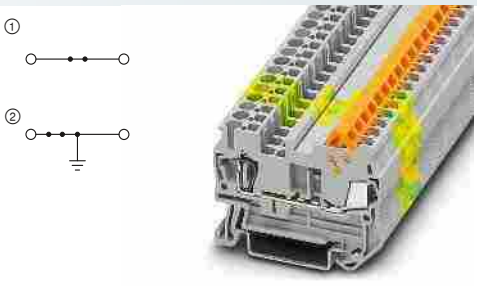
Hybrid terminal blocks with spring-cage connection on one side, 2.5 (4) mm²

Notes:

1) For additional accessories and technical data, see page 256.

2) For spring-cage connection rated data, see page 210.

For information on installation and using accessories for Ex applications, see page 678.



17.5 A, feed-through terminal block

Ex: EAC Ex
KEMA 04ATEX2226 U / IECEx KEM 07.0007U

Technical data1)

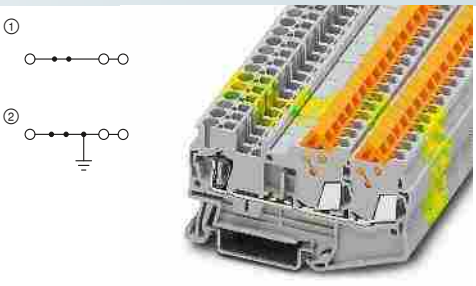
Dimensions		Width	Length	Height	
	[mm]	5.2	54.4	39.3 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	800	0.25 - 1.5	24-16
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data2)		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	-	550
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	- / -	17 / 1.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**QTCS 1,5**	①	3050138	50
	blue	**QTCS 1,5 BU**	①	3050141	50
Ground terminal	green-yellow	**QTCS 1,5-PE**	②	3050154	50

Accessories1)

Cover, width: 2.2 mm	gray	**D-QTCS 1,5**	3206270	50



17.5 A, feed-through terminal block, 3 connections

Ex: EAC Ex
KEMA 04ATEX2226 U / IECEx KEM 07.0007U

Technical data1)

		Width	Length	Height	
	[mm]	5.2	71.6	39.3 (NS 35/7,5)	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	800	0.25 - 1.5	24-16
	[A]	24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
	[V]	800	600	-	550
	[A] / [mm²]	17.5 / 1.5	10 / -	- / -	17.5 / 1.5

Ordering data

Type		Order No.	Pcs./Pkt.
QTCS 1,5-TWIN	①	3206348	50
QTCS 1,5-TWIN BU	①	3206351	50
QTCS 1,5-TWIN-PE	②	3206364	50

Accessories1)

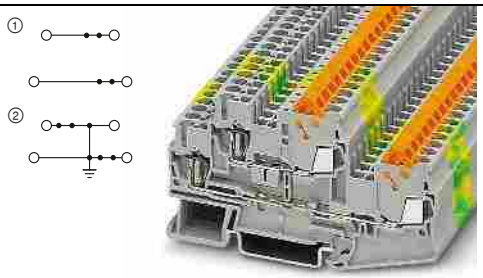
D-QTCS 1,5-TWIN	3206403	50

Double-level hybrid terminal blocks with spring-cage connection on one side, 2.5 (4) mm²

Notes:

1) For additional accessories and technical data, see page 256.

2) For spring-cage connection rated data, see page 210.



17.5 A, double-level terminal block

Technical data1)

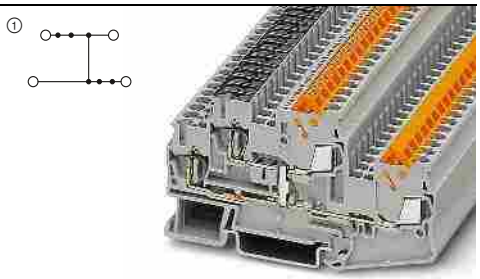
Dimensions		Width	Length	Height	
	[mm]	5.2	88.2	49.9 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	500	0.25 - 1.5	24-16
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data2)		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	-	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	10 / -	- / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**QTTCBS 1,5**	①	3050222	50
	blue	**QTTCBS 1,5 BU**	①	3050235	50
	gray				
Ground terminal	green-yellow	**QTTCBS 1,5-PE**	②	3050248	50

Accessories1)

Cover, width: 2.2 mm	gray	**D-QTTCBS 1,5**	3206335	50



17.5 A, double-level terminal block with equipotential bonder

Technical data1)

		Width	Length	Height	
	[mm]	5.2	88.2	49.9 (NS 35/7,5)	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	500	0.25 - 1.5	24-16
	[A]	24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
	[V]	500	600	-	-
	[A] / [mm²]	17.5	10 / -	- / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
QTTCBS 1,5-PV	①	3206380	50

Accessories1)

D-QTTCBS 1,5	3206335	50

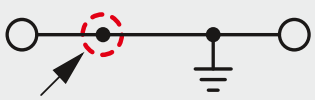
2.5 mm² QT fast connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2 / IEC 60947-7-3
Rated cross section	[mm²]	2.5
Cross section range	AWG	20 - 14
Connection cross section in acc. with DIN VDE 0295		
H05V(Z) / H07V(Z)	[mm²]	0.5 - 2.5
Class 5 / Class 6 [litz wires Ø 0.1 mm]	[mm²]	-
[Litz wires Ø 0.19 mm]	AWG	20 - 14
Frequency of connections with the same cross section		100
Other conductor types and materials on request.		
General data		
Insulating material		PA
Flammability rating in accordance with UL 94		V0
Wire diameter incl. insulation		3.8 mm

Note: Additional or deviating data is listed alongside the respective product.

Notes:



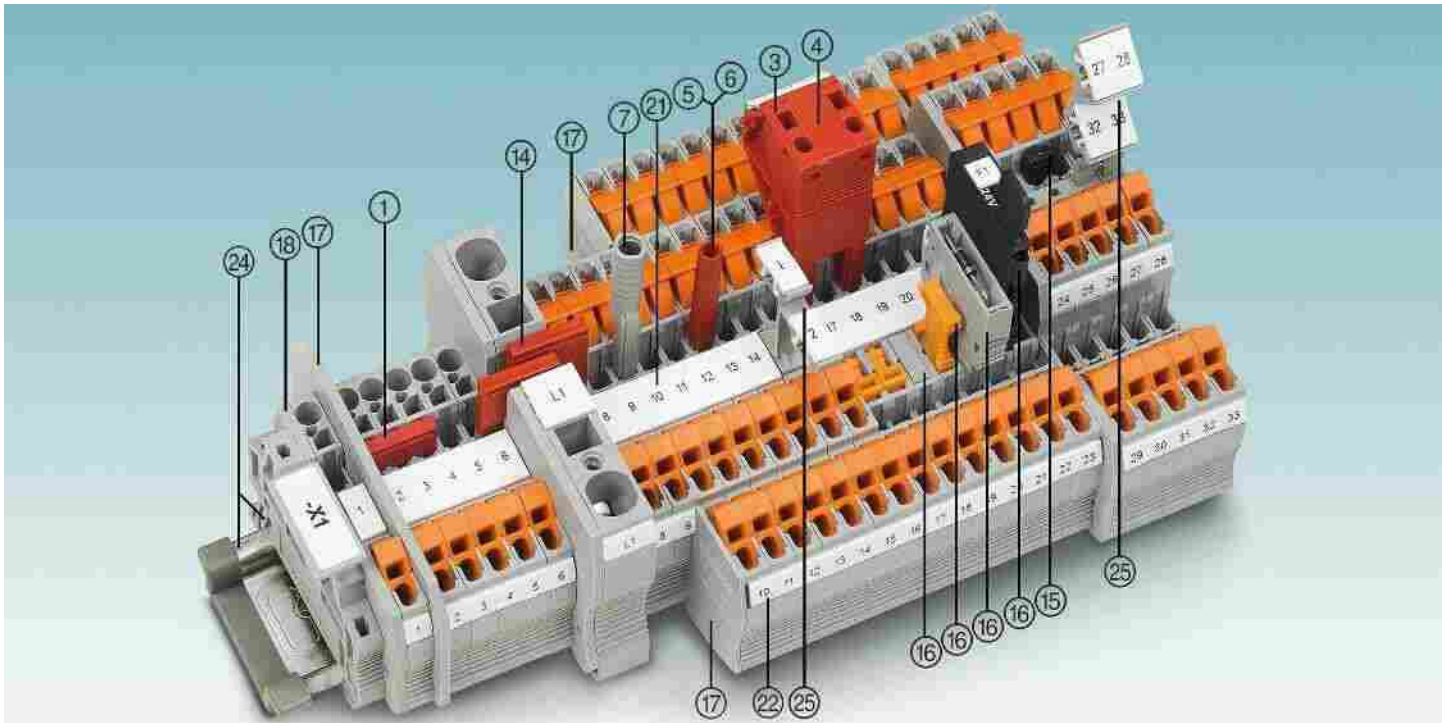
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-6**	3030336	50	**FBSR 2-6**	3033715	50
	3	red	**FBS 3-6**	3030242	50	**FBSR 3-6**	3001594	50
	4	red	**FBS 4-6**	3030255	50	**FBSR 4-6**	3001595	50
	5	red	**FBS 5-6**	3030349	50	**FBSR 5-6**	3001596	50
	10	red	**FBS 10-6**	3030271	10	**FBSR 10-6**	3033716	10
	20	red	**FBS 20-6**	3030365	10			
③ **Modular test plug**		red	**PS-6**	3030996	10			
Spacer plate		red	**DP PS-6**	3036738	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Screwdriver			**SZF 1-0,6X3,5**	1204517	10			

Reducing bridge	**For RB ..., see page 408.**
Vertical potential bridge	**For FBS ..., see page 404.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Center groove labeling	**UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
Marker carrier	**For STP ..., see page 418.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

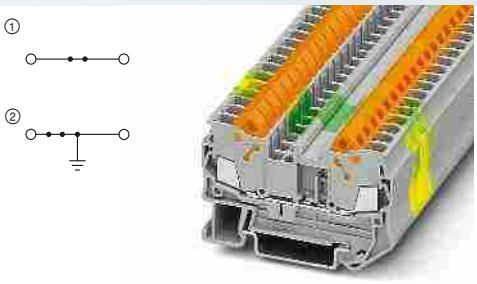
Feed-through and disconnect terminal blocks

Notes:

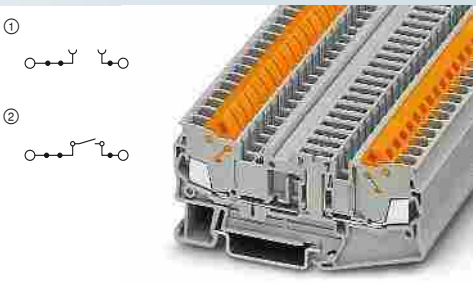
1) For additional accessories and technical data, see page 262.

2) Current and voltage are determined by the plug used.

For information on installation and using accessories for Ex applications, see page 678.



24 A, feed-through terminal block



20 A, disconnect terminal block

Ex: EAC Ex
KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data1)

Dimensions	Width	Length	Height	
[mm]	**6.2**	**62.6**	**39.3 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24	**800**	**0.5 - 2.5**	**20-14**
Maximum bridge current [A]	32 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	15 / -	15 / -	22.5 / 2.5

Technical data1)

Dimensions	Width	Length	Height	
[mm]	**6.2**	**82.5**	**39.3 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	202)	**400**2)	**0.5 - 2.5**	**20-14**
Maximum bridge current [A]	32 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400²)	300	600	-
Nominal current / cross section [A] / [mm²]	20 / 2.5	15 / -	15 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**QTC 2,5**	①	3206416	50
	blue	**QTC 2,5 BU**	①	3206429	50
Knife disconnect terminal block	gray				
Ground terminal	green-yellow	**QTC 2,5-PE**	②	3206432	50

Accessories1)

Cover, width: 2.2 mm	gray	**D-QTC 2,5**	3206568	50

Ordering data

Type		Order No.	Pcs./Pkt.
QTC 2,5-TG	①	3206490	50
QTC 2,5-MT	②	3206487	50

Accessories1)

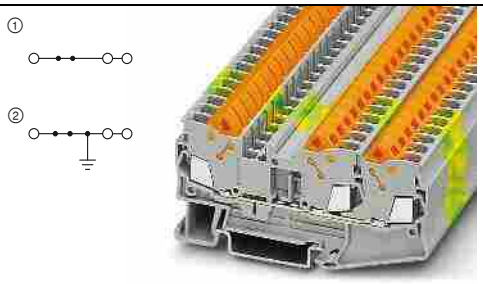
D-QTC 2,5-TWIN	3206571	50

Multi-conductor terminal blocks

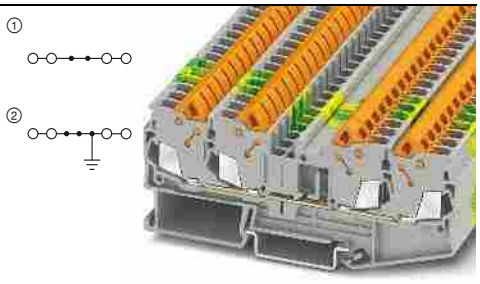
Notes:

1) For additional accessories and technical data, see page 262.

For information on installation and using accessories for Ex applications, see page 678.



24 A, feed-through terminal block, 3 connections



24 A, feed-through terminal block, 4 connections

Ex: EAC Ex
KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data1)

Dimensions	Width	Length	Height	
[mm]	**6.2**	**82.5**	**39.3 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24	**800**	**0.5 - 2.5**	**20-14**
Maximum bridge current [A]	32 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	15 / -	15 / -	22.5 / 2.5

Technical data1)

Dimensions	Width	Length	Height	
[mm]	**6.2**	**102.4**	**39.3 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24	**800**	**0.5 - 2.5**	**20-14**
Maximum bridge current [A]	32 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	15 / -	15 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**QTC 2,5-TWIN**	①	3206445	50
	blue	**QTC 2,5-TWIN BU**	①	3206461	50
Terminal block, for mounting on NS 35...	green-yellow	**QTC 2,5-TWIN-PE**	②	3206474	50

Accessories1)

Cover, width: 2.2 mm	gray	**D-QTC 2,5-TWIN**	3206571	50

Ordering data

Type		Order No.	Pcs./Pkt.
QTC 2,5-QUATTRO	①	3206446	50
QTC 2,5-QUATTRO BU	①	3206447	50
QTC 2,5-QUATTRO-PE	②	3206448	50

Accessories1)

D-QTC 2,5-QUATTRO	3206449	50

2.5 mm² QT fast connection terminal blocks

Fuse terminal blocks and lever-type disconnect terminal blocks of the same shape

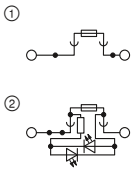
Notes:

1) For additional accessories and technical data, see page 262.

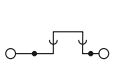
2) If the fuse is faulty, the downstream circuit is not off load.

3) For max. power dissipation, see page 694.

4) The current is determined by the fuse used, the voltage by the LED display.



6.3 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses



20 A, lever-type disconnect terminal block, same shape

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		6.2	82.5	64.9 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		6.3³)	500⁴)	0.5 - 2.5 / 20-14
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500⁴)	300	300 / -
Nominal current / cross section	[A] / [mm²]	6.3 / 1.5	15 / -	10 / - / - / -

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		6.2	82.5	64.9 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20	500	0.5 - 2.5 / 20-14
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	300 / -
Nominal current / cross section	[A] / [mm²]	20 / 2.5	15 / -	15 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Fuse terminal block	black	**QTC 2,5-HESI (5X20)**	①	3050293	50
With LED display 12 ... 30 V AC/DC, 0.31 ... 0.95 mA²)	black	**QTC 2,5-HESILED 24 (5X20)**	②	3050374	50
30 ... 60 V AC/DC, 0.40 ... 0.86 mA²)	black	**QTC 2,5 HESILED 60 (5X20)**	②	3050390	50
110 ... 250 V AC/DC, 0.41 ... 0.96 mA²)	black	**QTC 2,5-HESILA 250 (5X20)**	②	3050387	50
Lever-type disconnect terminal block	black/orange				

Ordering data

Type		Order No.	Pcs./Pkt.
QTC 2,5-HEDI	①	3206678	50

Accessories1)

Cover, width: 2.2 mm	gray	**D-QTC 2,5-TWIN**	3206571	50

Accessories1)

D-QTC 2,5-TWIN		3206571	50

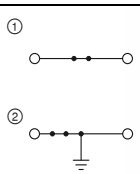
Hybrid terminal blocks with screw connection on one side, 4 (6) mm²

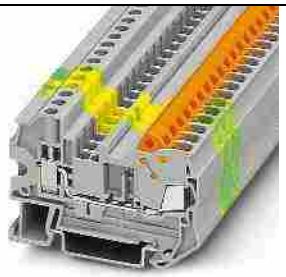
Notes:

1) For additional accessories and technical data, see page 262.

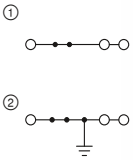
2) For screw connection rated data, visit phoenixcontact.net/products

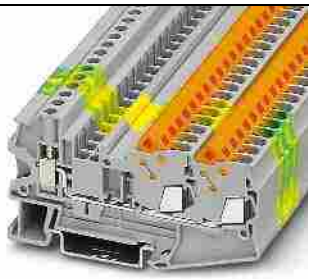
For information on installation and using accessories for Ex applications, see page 678.





24 A, feed-through terminal block





24 A, feed-through terminal block, 3 connections

Ex: EAC Ex
KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Ex: EAC Ex
KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		6.2	62.6	42.8 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	800	0.5 - 2.5 / 20-14
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data²)		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / 550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / - / 22 / 2.5

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		6.2	82.5	42.8 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	800	0.5 - 2.5 / 20-14
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data²)		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	- / 550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	- / - / 22 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**QTCU 2,5**	①	3206539	50
	blue	**QTCU 2,5 BU**	①	3206542	50
Ground terminal	green-yellow	**QTCU 2,5-PE**	②	3206555	50

Ordering data

Type		Order No.	Pcs./Pkt.
QTCU 2,5-TWIN	①	3050303	50
QTCU 2,5-TWIN BU	①	3050316	50
QTCU 2,5-TWIN-PE	②	3050329	50

Accessories1)

Cover, width: 2.2 mm	gray	**D-QTCU 2,5**	3206597	50

Accessories1)

D-QTCU 2,5 TWIN		3050510	50

Hybrid disconnect terminal blocks with screw connection on one side, 4 (6) mm²

Notes:

1) For additional accessories and technical data, see page 262.

2) For screw connection rated data, visit phoenixcontact.net/products

20 A, knife disconnect terminal block, 3 connections

Description	Color
Knife disconnect terminal block	gray
	blue
Cover, width: 2.2 mm	gray

Technical data[1]

Dimensions			
Width	Length	Height	
6.2	**79.3**	**42.8 (NS 35/7,5)**	
[mm]			
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400**	**0.5 - 2.5**	**20-14**
Maximum bridge current [A]	20 (FBS) / 20 (FBSR)		
Rated data[2]			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	400	300	300	-
Nominal current / cross section [A] / [mm²]	20 / 2.5	15 / -	15 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
QTCU 2,5-TWIN-MT	①	3050304	50
QTCU 2,5-TWIN-MT BU	①	3050317	50

Accessories[1]

D-QTCU 2,5-TWIN-MT	3050511	50

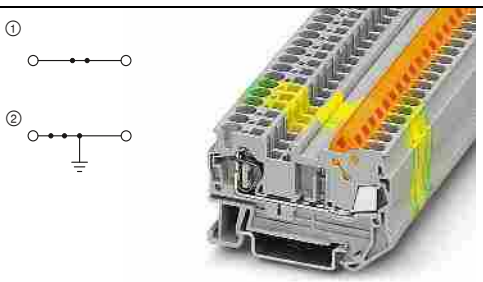
Hybrid terminal blocks with spring-cage connection on one side, 4 (6) mm²

Notes:

1) For additional accessories and technical data, see page 262.

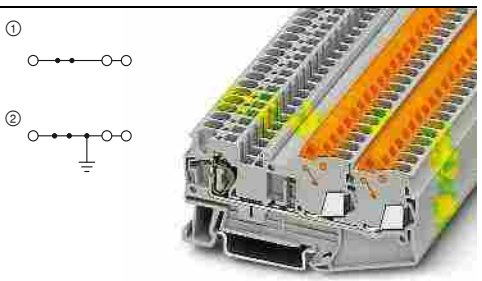
2) For spring-cage connection rated data, see page 228.

For information on installation and using accessories for Ex applications, see page 678.



24 A, feed-through terminal block

Ex: EAC Ex
KEMA 05ATEX2148 U / IECEx KEM 07.0010U



24 A, feed-through terminal block, 3 connections

Ex: EAC Ex
KEMA 05ATEX2148 U / IECEx KEM 07.0010U

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow
Cover, width: 2.2 mm	gray

Technical data[1]

Dimensions			
Width	Length	Height	
6.2	**59.7**	**39.3 (NS 35/7,5)**	
[mm]			
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**800**	**0.5 - 2.5**	**20-14**
Maximum bridge current [A]	32 (FBS) / 24 (FBSR)		
Rated data[2]			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	-	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	15 / -	- / -	22.5 / 2.5

Ordering data

Type		Order No.	Pcs./Pkt.
QTCS 2,5	①	3206500	50
QTCS 2,5 BU	①	3206513	50
QTCS 2,5-PE	②	3206526	50

Accessories[1]

D-QTCS 2,5	3206584	50

Technical data[1]

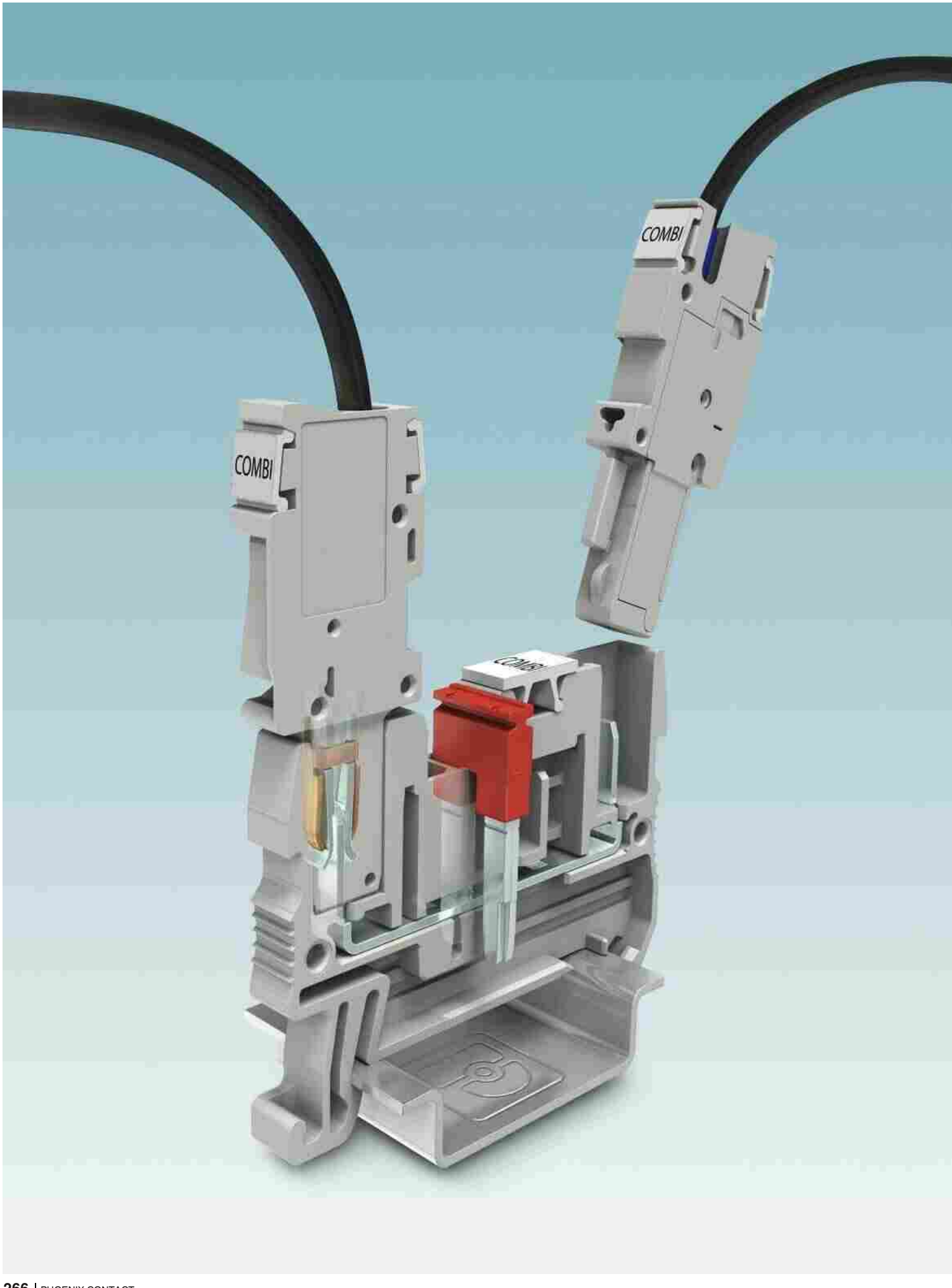
Dimensions			
Width	Length	Height	
6.2	**79.6**	**39.3 (NS 35/7,5)**	
[mm]			
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**800**	**0.5 - 2.5**	**20-14**
Maximum bridge current [A]	32 (FBS) / 24 (FBSR)		
Rated data[2]			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	-	550
Nominal current / cross section [A] / [mm²]	24 / 2.5	15 / -	- / -	22.5 / 2.5

Ordering data

Type		Order No.	Pcs./Pkt.
QTCS 2,5-TWIN	①	3050332	50
QTCS 2,5-TWIN BU	①	3050345	50
QTCS 2,5-TWIN-PE	②	3050358	50

Accessories[1]

D-QTCS 2,5 TWIN	3050523	50


COMBI
COMBI
COMBI

COMBI plug-in connection solutions

The COMBI connection system enables the time-saving and modular configuration of your application. Its distinguishing feature is its standardized plug-in zone. This allows you to combine basic terminal blocks which are available in Push-in, spring-cage, fast connection, and screw connection versions with one another in any configuration.

The rated values of up to 41 A and 1000 V has made a plug-in system for signal and power wiring possible. The system meets the most stringent of vibration requirements. Both the terminal blocks and the plugs are of a touch-proof design.

In addition, all plugs can be individually assembled, i.e., they can be adapted to match the required number of positions in each application. The COMBI plug-in system can be combined with the CES cable entry system (see Catalog 2) by routing the pre-assembled cables with a high degree of protection (IP54) into control cabinets and housing in a manner that saves space. This produces a quick and low-cost alternative to using heavy-duty plug-in plugs.

Push-in connection

Your web code: #1276

Screw connection

Your web code: #1400

Spring-cage connection

Your web code: #1398

Quick connection

Your web code: #1399

Product range overview

1.5 mm²

Push-in connection	**277**
Fast connection	**287**

2.5 mm²

Push-in connection	**291**
Screw connection	**303**
Spring-cage connection	**309**

4 mm²

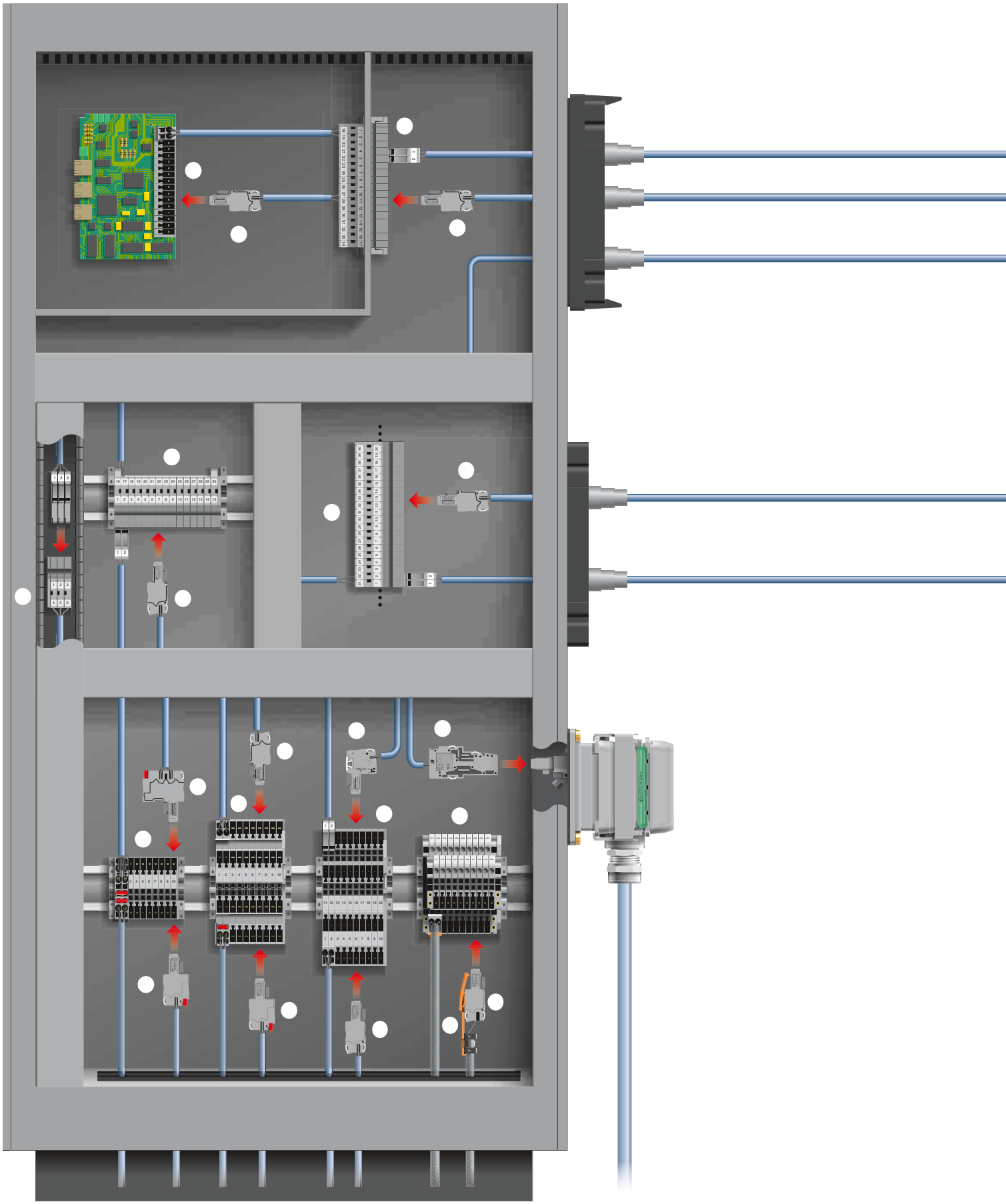
Push-in connection	**325**
Screw connection	**329**
Spring-cage connection	**339**

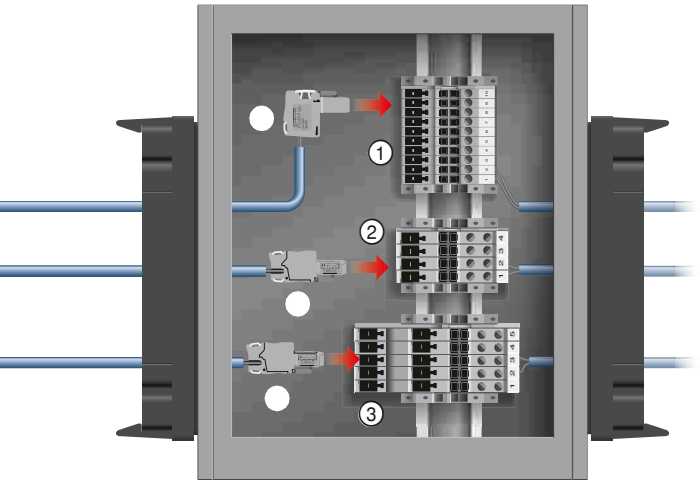
6 mm²

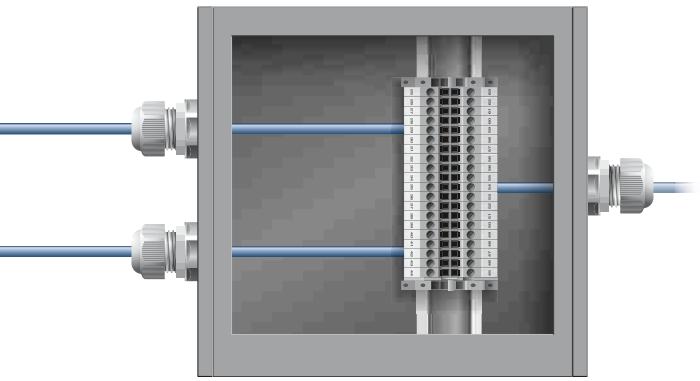
Push-in connection	**347**
Screw connection	**355**

Accessories **358**

Cabling options with the COMBI connection system







① Feed-through terminal blocks with one connector outlet
② Multi-conductor terminal blocks with one connector outlet
③ Multi-conductor terminal blocks with two connector outlets
Double-level terminal blocks with one connector outlet per level
Male-male feed-through terminal blocks
Male-male multi-conductor terminal blocks
Male-male double-level terminal blocks
Couplings for flying leads
Couplings with securing pin for direct mounting
Couplings for DIN rail mounting
Coupling for panel feed-through
Header for the PCB connection
Connector with conductor exit in plug-in direction
Bridgeable connector with conductor exit in plug-in direction
Bridgeable two-conductor connector with conductor exit in plug-in direction
Connector with conductor exit perpendicular to plug-in direction
Optional snap-on connector accessories, e.g. latching with shield connection
CES cable entry system with IP54/IP65 protection, see Catalog 2
IP67 heavy-duty connector, see Catalog 2

It is impossible to imagine today's applications without plug-in solutions – whether in control cabinets or in complete systems. It is here that the COMBI connection system offers users unlimited flexibility. From supplying the control cabinet and the power and control components to the quick installation of distributed system parts, the COMBI connection system always delivers the perfect solution.

There are numerous advantages to this system. Plug-in components inside the control cabinet can be installed and removed quickly and easily. Plug-in ring feeders ensure reliable power supply from one control cabinet to another. Couplings for flying leads are not only suitable for wiring in restricted spaces. They can also be used to easily extend pre-assembled cables.

The COMBI headers support the plug-in wiring of electronic devices or components.

The CES cable entry system allows users to route up to 40 pre-assembled connectors into the control cabinet while maintaining IP54/IP65 degree of protection. When it comes to increased requirements up to IP67 or control cabinet connection in harsh industrial environments, DUPLICON is the ideal connection component.

The flexible and extensive options offered by the standardized plug-in zone of the COMBI system have won over several well-known companies.

Cross-reference list Terminal blocks – connectors

Terminal block

		Connector								
		PT Push-in connection					UT screw connection			
		PP-H 1,5/S Page 284	PP-H 2,5 Page 298	PP 2,5 Page 300	PP-H 4 Page 327	PP-H 6 Page 352	UPBV 2,5... Page 306	UPBV 4... Page 335	UP 4... Page 336	UP 6... Page 356
Feed-through terminal blocks										
PT 1,5/S/1P / MPT 1,5/S/1P	Page 277	■								
QTC 1,5/1P	Page 287		■	■			■			
PT 2,5/1P, ST 2,5/1P	Page 291		■	■			■			
UT 2,5/1P	Page 303		■	■			■			
PT 4/1P, ST 4/1P	Page 325				■			■	■	
UT 4/1P, UT 4/ 1P-H	Page 329				■			■	■	
PT 6/1P	Page 347					■				■
UT 6/1P	Page 355					■				■
Feed-through terminal blocks, three connections										
PT 1,5/S-TWIN/1P	Page 277	■								
PT 2,5-TWIN/1P, ST 2,5-TWIN/1P	Page 291		■	■			■			
UT 2,5-TWIN/1P	Page 303		■	■			■			
PT 4-TWIN/1P	Page 325				■			■	■	
UT 4-TWIN/1P	Page 329				■			■	■	
Knife disconnect terminal blocks										
ST 2,5-TWIN-MT/1P	Page 310		■	■			■			
ST 2,5-TWIN-TG/1P	Page 310		■	■			■			
Feed-through terminal blocks, four connections										
PT 1,5/S-QUATTRO/2P	Page 277	■								
PT 2,5-QUATTRO/2P ST 2,5-QUATTRO/2P	Page 291		■	■			■ [1]			
PT 4-QUATTRO/2P ST 4-QUATTRO/2P	Page 325				■			■ [1]	■	
UT 4-QUATTRO/2P	Page 329				■			■ [1]	■	
ST 4-QUATTRO/4CP	Page 340				■ [1]			■ [1]	■ [1]	
PT 6-QUATTRO/2P	Page 347					■				■
UT 6-QUATTRO/2P	Page 355									■
Feed-through terminal blocks, six connections										
PT 2,5-HEXA/3P	Page 291		■	■			■ [1]			
Double-level terminal blocks										
PTTB 1,5/S/2P	Page 277	■								
QTTCB 1,5/2P	Page 287		■	■			■			
PTTB 2,5/2P	Page 292		■	■			■ [1]			
PTTBS 2,5/2P PTTBS 2,5-TWIN/2P	Page 292		■	■			■ [1]			
UTTB 2,5/2P	Page 303		■	■			■			
STTB 2,5/2P	Page 309		■	■			■			
Male-male versions										
ST 2,5/2P	Page 293		■	■			■			
ST 2,5-QUATTRO/4P	Page 293		■	■			■ [1]			
STTB 2,5/4P	Page 293		■	■			■			
ST 4/2P	Page 325				■			■	■	

[1]) Can only be used on the external connection pins of the basic terminal block.
[2]) Can only be used on the internal connection pins of the basic terminal block.
[3]) Can only be used on one side of the basic terminal block.

ST spring-cage connection						QT fast connection	CP connector housings
SP 2,5... Page 318	SP-H 2,5... Page 319	SPV 2,5... Page 320	SPB 2,5... Page 321	SPDB 2,5... Page 322	SP 4... Page 345	QP 1,5 Page 288	CP 2,5 ... Page 365

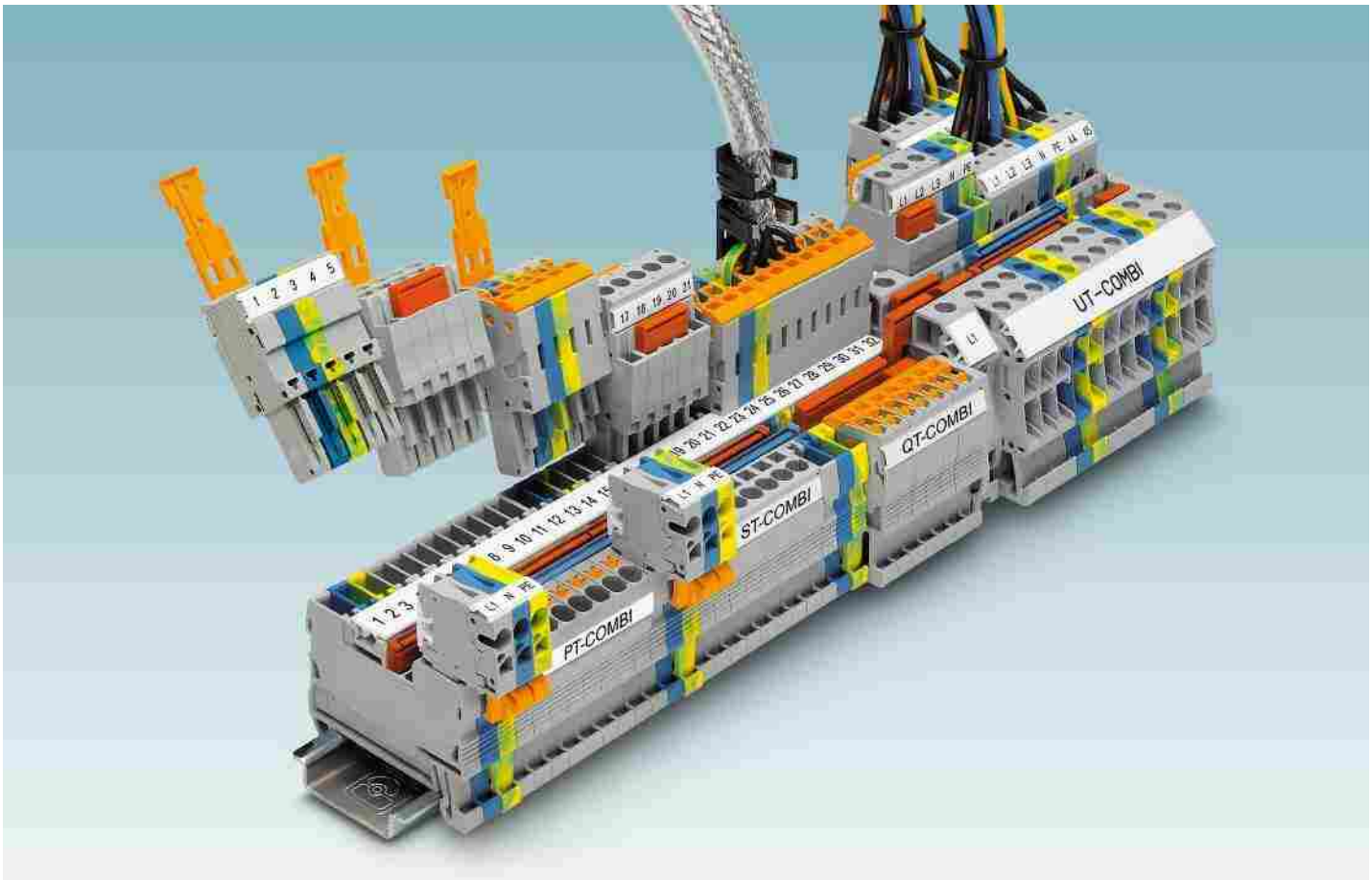
Cross-reference list Couplings – connectors

Connector

Coupling			PT Push-in connection					UT screw connection			
			PP-H 1,5/S Page 284	PP-H 2,5 Page 298	PP 2,5 Page 300	PP-H 4 Page 327	PP-H 6 Page 352	UPBV 2,5... Page 306	UPBV 4... Page 335	UP 4... Page 336	UP 6... Page 356
	Couplings										
	PPC 1,5/S	**Page 282**	■								
	PPC 2,5/...	**Page 295**		■	■			■			
	SC 2,5/...	**Page 313**		■	■			■			
	SC 4/...	**Page 341**				■			■	■	
	PPC 6/...	**Page 350**					■				■
	Couplings with securing pin										
	SC 2,5-RZ/...	**Page 314**		■	■			■			
	SC 4-RZ/...	**Page 342**				■			■	■	
	Couplings with snap-on foot										
	PPC 1,5/S-NS/1-L	**Page 283**	■								
	PPC 2,5-NS/1-L	**Page 296**		■	■			■			
	SC 2,5-NS/1-L	**Page 316**		■	■			■			
	SC 4-NS/1-L	**Page 343**				■			■	■	
	PPC 6-NS/1-L	**Page 350**					■				■
	Header for PCB connection technology										
	ST 2,5-PCB/...G-5,2	**Page 297**		■	■			■			
	ST 4-PCB/...G-6,2	**Page 326**				■			■	■	
	ST 2,5-PCBV/...G-5,2	**Page 297**		■	■			■			
	ST 4-PCB/...G-6,2	**Page 326**		■	■	■			■	■	

ST spring-cage connection						QT fast connection	CP connector housing
SP 2,5... Page 318	SP-H 2,5... Page 319	SPV 2,5... Page 320	SPB 2,5... Page 321	SPDB 2,5... Page 322	SP 4... Page 345	QP 1,5 Page 288	CP 2,5 ... Page 365

COMBI plug-in connection solutions



Push-in connection

Your web code: #1276

Spring-cage connection

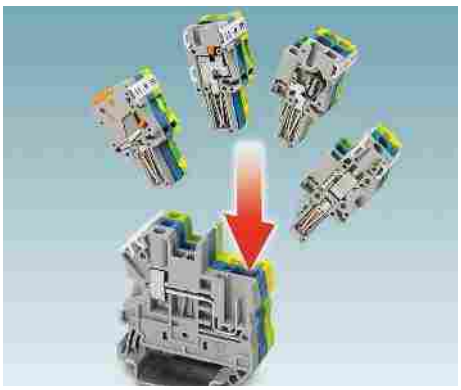
Your web code: #1398

Screw connection

Your web code: #1400

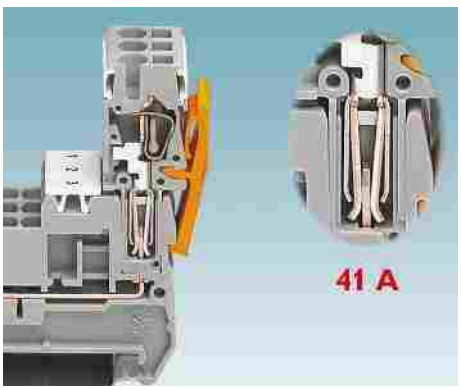
Quick connection

Your web code: #1399



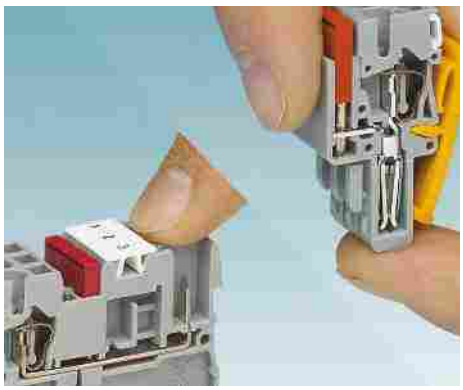
Flexible and plug-in

The COMBI family offers a free choice of connection methods. The standardized COMBI plug-in zone allows terminal blocks and plugs to be combined to suit the application regardless of connection method.



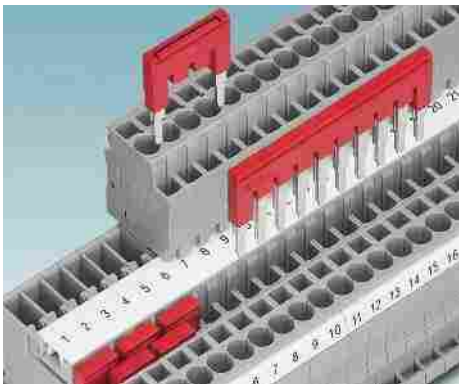
Powerful contact

The COMBI connection system enables a plug-in wiring solution up to a nominal current of 41 A and a nominal voltage of 1000 V. The contact system features an integrated covering spring so that it can withstand extreme vibration levels.

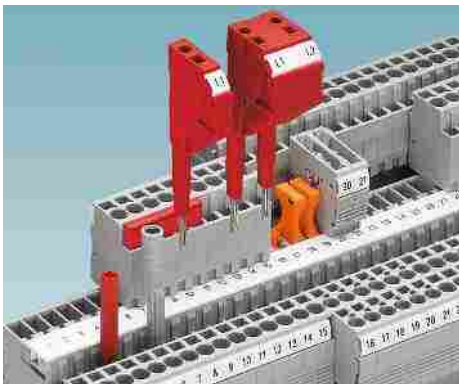


Touch proof

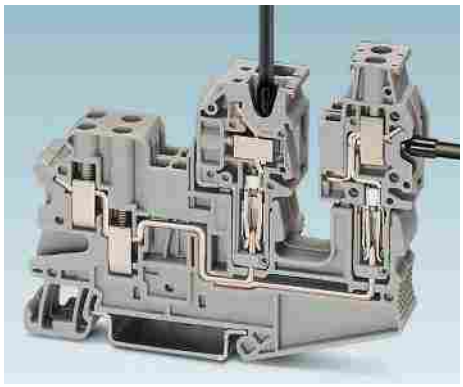
The COMBI system offers the highest levels of protection for users, as both the basic terminal blocks and the plugs are touch-proof. Alongside the safety aspect, this offers great flexibility for configuration work. The supply can be routed through the terminal blocks or plugs.



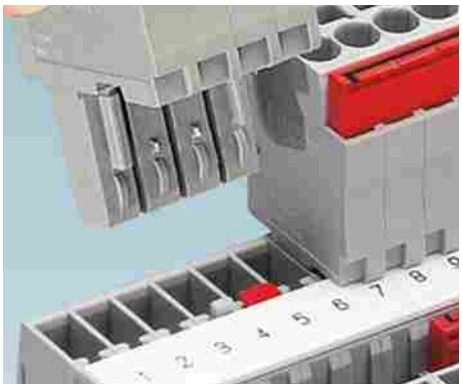
The standardized bridge system enables up to 50 terminal blocks to be connected with one bridge in an efficient manner suited to the application. Non-adjacent terminal blocks can be bridged by removing individual forks.



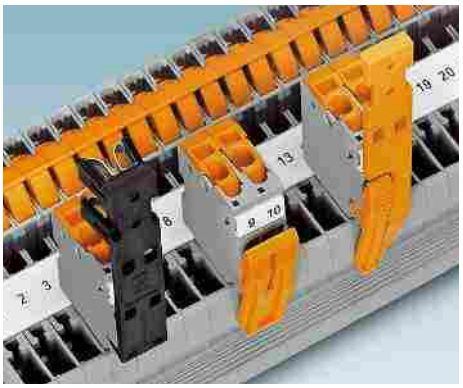
For measuring lines, a test plug with 2.3 mm diameter is available. All measurement and testing tasks can be carried out quickly using test adapters for 4 mm diameter test plugs and the alignable test plugs.



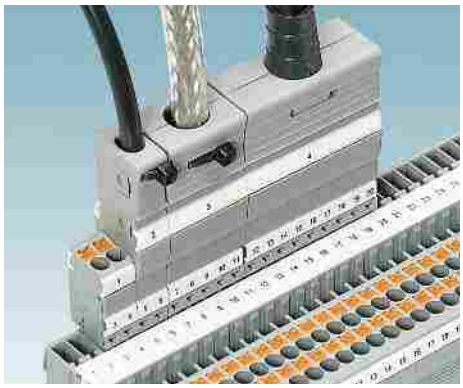
Connectors with different conductor output directions (to the side or upwards) allow for practical, efficient wiring. This results in great flexibility as required in various areas of application.



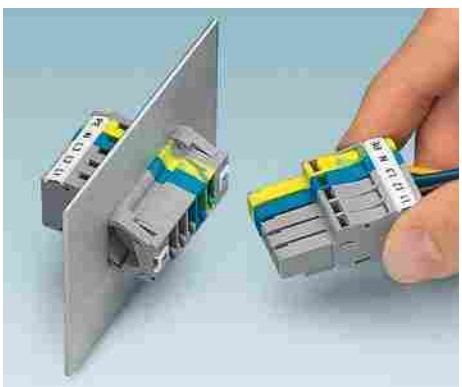
The simple and individual coding option increases wiring reliability and also protects against incorrect connecting. To do this, the pin must be released from the plug, turned and inserted in the basic terminal block.



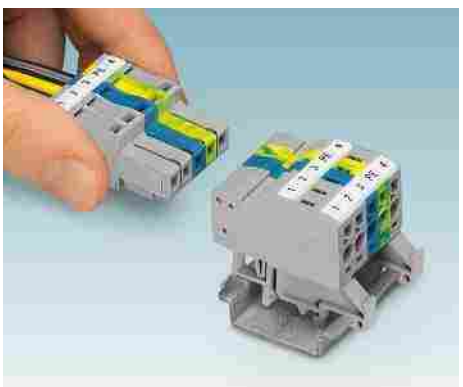
Snap-on strain relief is available to relieve the strain on cables at the connectors. Latching is also available and can be used to permanently fix connectors to basic terminal blocks.



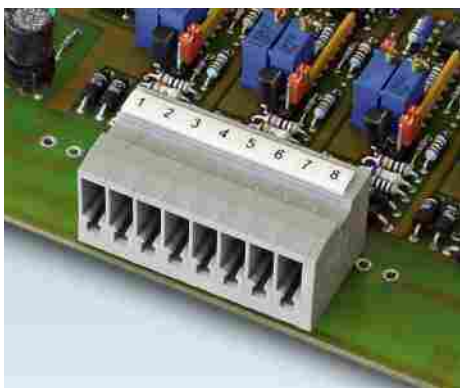
The cable housing provides robust strain relief. These housings are split in two, making them easy to fit and safe to latch onto the COMBI connectors provided. Anti-kink devices and overall shielding braids are available as accessories.



Panel feed-throughs can be produced efficiently by simply snapping the SSL panel feed-through onto the standard receptacle. The panel feed-through is slid into the cut-out and automatically latches into place.



A receptacle version which can be fitted on rails offers a solution for applications with a low build height. The integrated duo foot allows for mounting on both NS 15 and NS 35 DIN rails.



The COMBI header is an alignable PCB connection. Universal plug-in solutions from the DIN rail through to the device can therefore be implemented with the same plug.

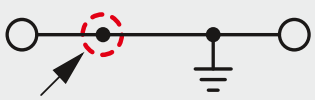
1.5 mm² COMBI PT plug-in connection solutions

General technical data

Rated data		IEC 61984			
Rated cross section	[mm²]	1.5			
Cross section range	AWG	26 - 14			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
Connection cross sections directly plug-in	[mm²]	0.25 - 1.5	-	0.34 - 1.5	0.34 - 1
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



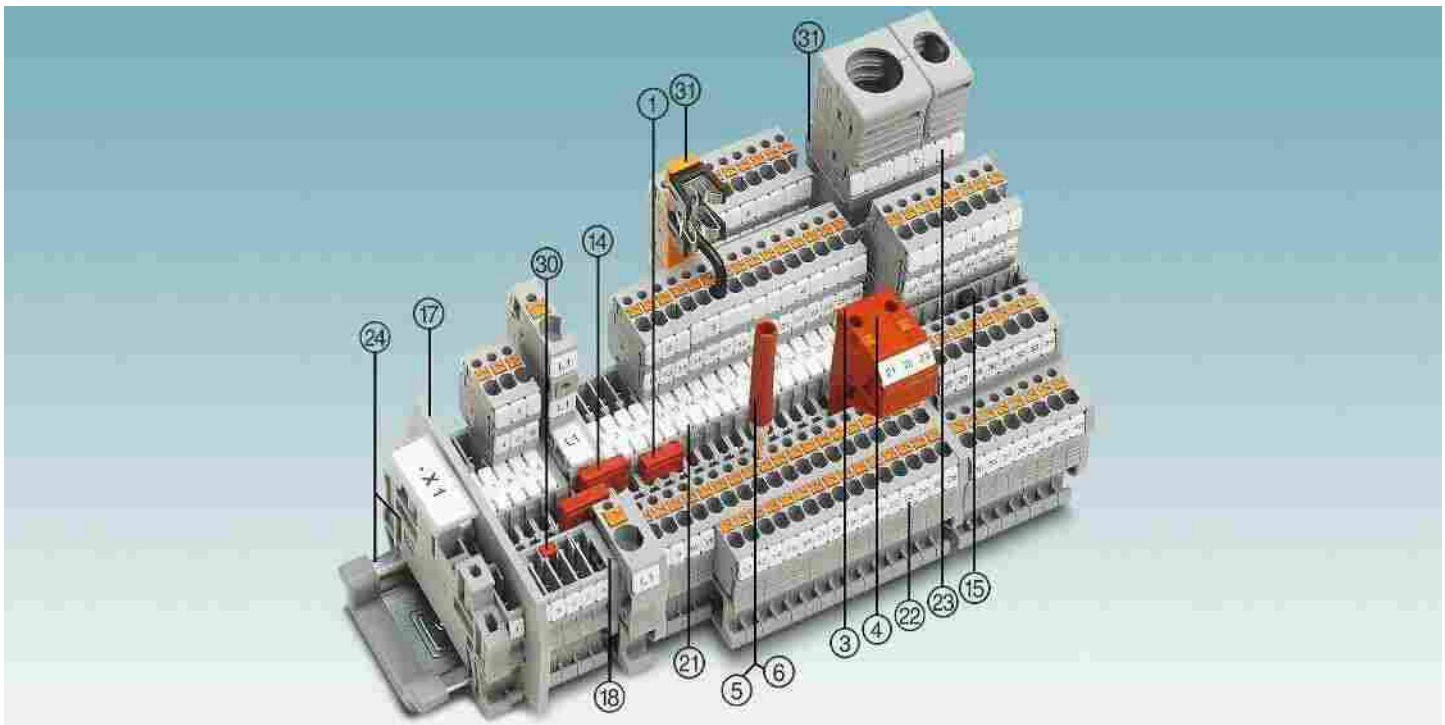
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-3,5**	3213014	50			
	3	red	**FBS 3-3,5**	3213027	50			
	4	red	**FBS 4-3,5**	3213030	50			
	5	red	**FBS 5-3,5**	3213043	50			
	10	red	**FBS 10-3,5**	3213056	50			
	20	red	**FBS 20-3,5**	3213069	50			
③ **Modular test plug**		red	**PS-3,5**	3031010	10			
Spacer plate		red	**DP PS-3,5**	3031011	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Coding profile		red	**PC**	3040588	50			
Screwdriver			**SZF 0-0,4X2,5**	1204504	10			

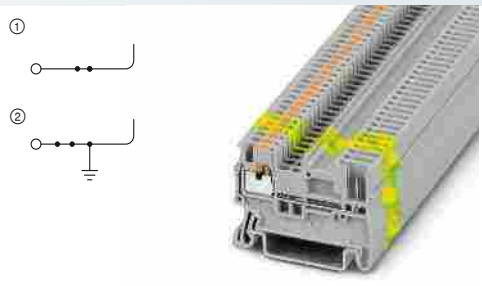
Reducing bridge	**For RB ..., see page 408.**
Vertical potential bridge	**For FBS 1,5/S-PV ..., see page 404.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Center groove labeling	**UCT-TM 3,5 or ZB 3,5. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UCT-TMF 3,5 or ZBF 3,5. See also Catalog 3, selection tables, from page 60.**
Lateral groove labeling	**UCT-TMF 3,5 or ZBF 3,5. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
Latching, strain relief, shielding	**See from page 362.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through, multi-conductor, multi-level, and ground terminal blocks

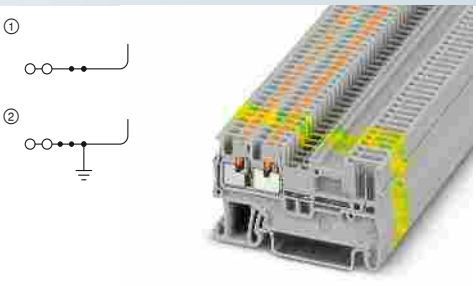
Notes:

1) For additional accessories and technical data, see page 276.

2) For derating curve, visit phoenixcontact.net/products



17.5 A, feed-through terminal block



17.5 A, feed-through terminal block, 3 connections

Technical data1)

Dimensions		Width	Length	Height	
	[mm]	3.5	46	32 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5²)	500	0.14 - 1.5	26-14
Maximum bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5²) / 1.5	15 / -	15 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	PT 1,5/S/1P	①	3208582	50
	blue	PT 1,5/S/1P BU	①	3208595	50
Ground terminal	green-yellow	PT 1,5/S/1P-PE	②	3212332	50

Accessories1)

Cover, width: 2.2 mm	gray	D-PT 1,5/S	3208142	50

Technical data1)

		Width	Length	Height	
	[mm]	3.5	55	32 (NS 35/7,5)	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5²)	500	0.14 - 1.5	26-14
	[A]	17.5			
		IEC	UL / CUL	CSA	Ex
	[V]	500	600	600	-
	[A] / [mm²]	17.5²) / 1.5	15 / -	15 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
		PT 1,5/S-TWIN/1P	①	3212358	50
		PT 1,5/S-TWIN/1P BU	①	3212361	50
		PT 1,5/S-TWIN/1P-PE	②	3212374	50

Accessories1)

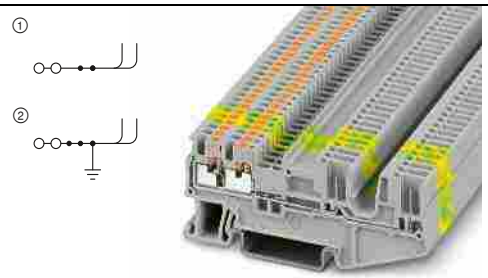
		D-PT 1,5/S-TWIN	3208184	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

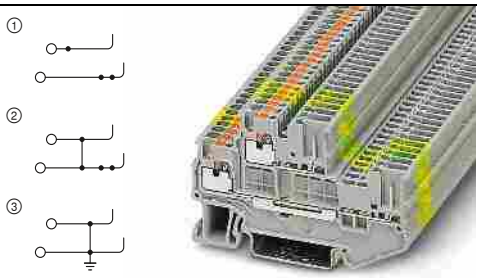
Notes:

1) For additional accessories and technical data, see page 276.

2) For derating curve, visit phoenixcontact.net/products



17.5 A, feed-through terminal block, 4 connections



16 A, double-level terminal block

Technical data1)

Dimensions		Width	Length	Height	
	[mm]	3.5	78.5	32 (NS 35/7,5)	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5²)	500	0.14 - 1.5	26-14
Maximum bridge current	[A]	17.5			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5²) / 1.5	15 / -	15 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	PT 1,5/S-QUATTRO/2P	①	3212390	50
	blue	PT 1,5/S-QUATTRO/2P BU	①	3212400	50
With potential distribution	gray				
Ground terminal	green-yellow	PT 1,5/S-QUATTRO/2P-PE	②	3212413	50

Accessories1)

Cover, width: 2.2 mm	gray	D-PT 1,5/S-QUATTRO/2P	3212426	50

Technical data1)

		Width	Length	Height	
	[mm]	3.5	69.3	42.6 (NS 35/7,5)	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16²)	500	0.14 - 1.5	26-14
	[A]	17.5			
		IEC	UL / CUL	CSA	Ex
	[V]	500	600	600	-
	[A] / [mm²]	16²) / 1.5	15 / -	15 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
		PTTB 1,5/S/2P	①	3212439	50
		PTTB 1,5/S/2P BU	①	3212442	50
		PTTB 1,5/S/2P-PV	②	3212468	50
		PTTB 1,5/S/2P-PE	③	3212455	50

Accessories1)

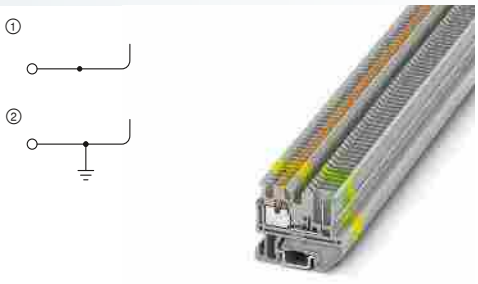
		D-PTTB 1,5/S/2P	3212471	50

Mini feed-through and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 276.

[2]) For derating curve, visit phoenixcontact.net/products



17.5 A, mini feed-through terminal block

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
3.5	**33.55**	**28.1 (NS 15)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5[2])	**500**	**0.14 - 1.5**	**26-14**
17.5			
IEC	UL / CUL	CSA	Ex
500	600	600	-
17.5[2]) / 1.5	15 / -	15 / -	- / -

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow

Ordering data

Type		Order No.	Pcs./Pkt.
MPT 1,5/S/1P	①	3248115	50
MPT 1,5/S/1P BU	①	3248116	50
MPT 1,5/S/1P-PE	②	3248117	50

Accessories[1])

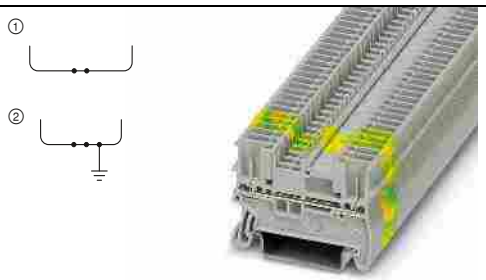
Cover, width: 2.2 mm	gray	**D-MPT 1,5/S**	3248120	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

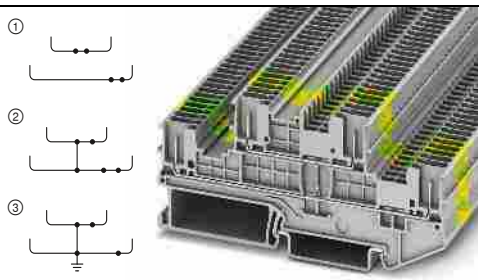
Notes:

[1]) For additional accessories and technical data, see page 276.

[2]) For derating curve, visit phoenixcontact.net/products



17.5 A, feed-through terminal block



16 A, double-level terminal block

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
3.5	**45.8**	**32 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5[2])	**500**	**0.14 - 1.5**	**-**
17.5			
IEC	UL / CUL	CSA	Ex
500	600	-	-
17.5[2]) / 1.5	15 / -	- / -	- / -

Description	Color
Terminal block	gray
	blue
With potential distribution	gray
Ground terminal	green-yellow

Ordering data

Type		Order No.	Pcs./Pkt.
PT 1,5/S/2P	①	3213784	50
PT 1,5/S/2P BU	①	3213797	50
PT 1,5/S/2P-PE	②	3213810	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PT 1,5/S**	3208142	50

Technical data[1])

Width	Length	Height	
3.5	**93.9**	**42.6 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
16[2])	**500**	**0.14 - 1.5**	**-**
17.5			
IEC	UL / CUL	CSA	Ex
500	600	-	-
16[2]) / 1.5	15 / -	- / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PTTB 1,5/S/4P	①	3213865	50
PTTB 1,5/S/4P BU	①	3213878	50
PTTB 1,5/S/4P-PV	②	3213852	50
PTTB 1,5/S/4P-PE	③	3213881	50

Accessories[1])

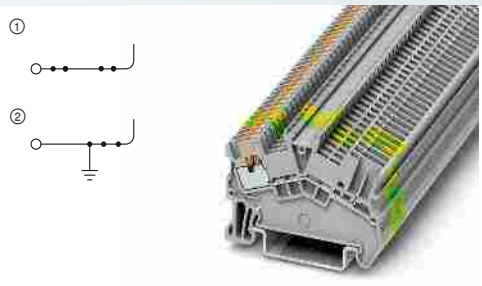
D-PTTB 1,5/S/4P		3213894	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

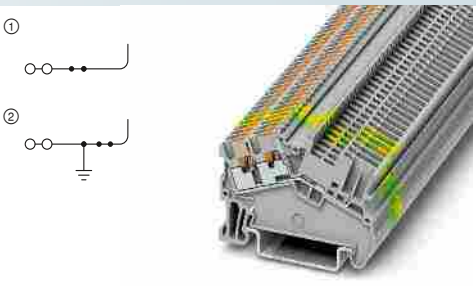
Notes:

1) For additional accessories and technical data, see page 276.

2) For derating curve, visit phoenixcontact.net/products



17.5 A, feed-through terminal block



17.5 A, feed-through terminal block, 3 connections

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		3.5	50.7	38.5 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		17.5²)	500	0.14 - 1.5 / 26-14
Maximum bridge current	[A]	17.5		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	17.5²) / 1.5	15 / -	15 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTS 1,5/S/1P**	①	3214453	50
	blue	**PTS 1,5/S/1P BU**	①	3214466	50
Ground terminal	green-yellow	**PTS 1,5/S/1P-PE**	②	3214479	50

Accessories1)

Cover, width: 2.2 mm	gray	**D-PTS 1,5/S**	3214576	50

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		3.5	50.7	38.5 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		17.5²)	500	0.14 - 1.5 / 26-14
Maximum bridge current	[A]	17.5		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	17.5²) / 1.5	15 / -	15 / - / - / -

Ordering data

Type		Order No.	Pcs./Pkt.
PTS 1,5/S-TWIN/1P	①	3214709	50
PTS 1,5/S-TWIN/1P BU	①	3214712	50
PTS 1,5/S-TWIN/1P-PE	②	3214725	50

Accessories1)

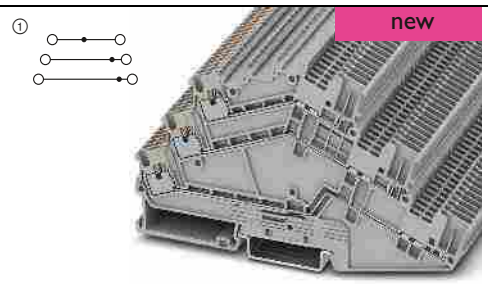
D-PTS 1,5/S	3214576	50

Feed-through terminal blocks, multi-conductor terminal blocks, and ground terminals in desk design

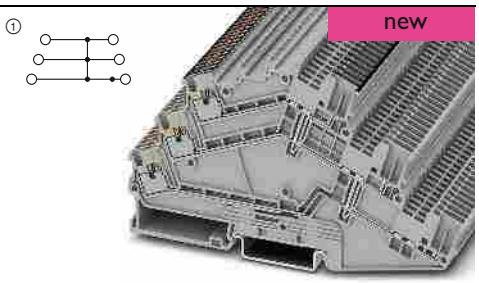
Notes:

1) For additional accessories and technical data, see page 276.

2) For derating curve, visit phoenixcontact.net/products



15 A, three-level terminal block



15 A, three-level terminal block with potential distribution

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		3.5	97.2	53.2 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		15	500	0.14 - 1.5 / -
Maximum bridge current	[A]	15		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	-	- / -
Nominal current / cross section	[A] / [mm²]	15²) / 1.5	- / -	- / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTS 1,5/S-3L/3P**	①	1027881	50
	blue	**PTS 1,5/S-3L/3P BU**	①	1027882	50
	gray				

Accessories1)

Cover	gray	**D-PTS 1,5/S-3L/3P**	1027887	50

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		3.5	97.2	53.2 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		15	500	0.14 - 1.5 / -
Maximum bridge current	[A]	15		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	-	- / -
Nominal current / cross section	[A] / [mm²]	15²) / 1.5	- / -	- / - / - / -

Ordering data

Type		Order No.	Pcs./Pkt.
PTS 1,5/S-3PV/3P	①	1027883	50

Accessories1)

D-PTS 1,5/S-3L/3P	1027887	50

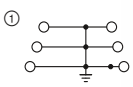
1.5 mm² COMBI PT plug-in connection solutions

Feed-through terminal blocks, multi-conductor terminal blocks, and ground terminals in desk design

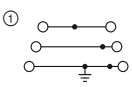
Notes:

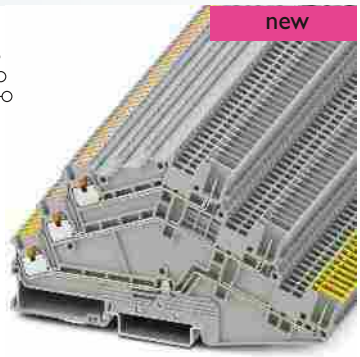
[1]) For additional accessories and technical data, see page 276.

[2]) For derating curve, visit phoenixcontact.net/products



Ground terminal block





15 A, three-level terminal block with PE foot

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**3.5**	**97.2**	**53.2 (NS 35/7,5)**	
Maximum electrical data			max. Ø [mm²]	AWG (UL)
			0.14 - 1.5	**-**
Maximum bridge current [A]	-			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	-	-	-	-
Nominal current / cross section [A] / [mm²]	15[2]) / 1.5	- / -	- / -	- / -

Technical data[1])				
Width	Length	Height		
3.5	**97.2**	**53.2 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
15	**500**	**0.14 - 1.5**	**-**	
15				
IEC	UL / CUL	CSA	Ex	
500	-	-	-	
15[2]) / 1.5	- / -	- / -	- / -	

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, with PE foot	green-yellow	**PTS 1,5/S-3PE/3P**	1	1027884	50
	gray				
	gray				

Ordering data			
Type		**Order No.**	Pcs./Pkt.
PTS 1,5/S-PE/L/L/3P	1	1027885	50
PTS 1,5/S-PE/L/N/3P	1	1027886	50

Accessories[1])			
Cover	gray	**D-PTS 1,5/S-3L/3P**	1027887	50

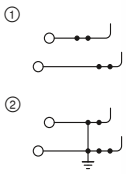
Accessories[1])			
D-PTS 1,5/S-3L/3P	1027887	50

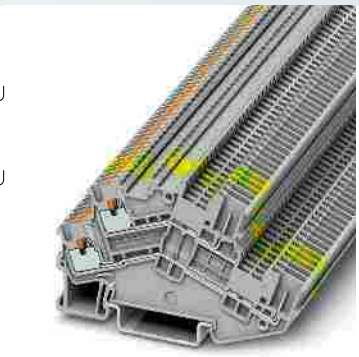
Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

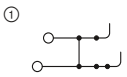
[1]) For additional accessories and technical data, see page 276.

[2]) For derating curve, visit phoenixcontact.net/products





16 A, double-level terminal block



16 A, double-level terminal block with equipotential bonding

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
3.5	**78**	**55 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
16[2])	**500**	**0.14 - 1.5**	**26-14**
17.5			
IEC	UL / CUL	CSA	Ex
500	600	600	-
16[2]) / 1.5	15 / -	15 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PTTBS 1,5/S/2P**	①	3214495	50
	blue	**PTTBS 1,5/S/2P BU**	①	3214505	50
	gray				
Ground terminal	green-yellow	**PTTBS 1,5/S/2P-PE**	②	3214518	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTTBS 1,5/S/2P**	3214534	50

Technical data[1])

Width	Length	Height	
3.5	**78**	**55 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
16[2])	**500**	**0.14 - 1.5**	**26-14**
17.5			
IEC	UL / CUL	CSA	Ex
500	600	600	-
16[2]) / 1.5	15 / -	15 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PTTBS 1,5/S/2P-PV	①	3214521	50

Accessories[1])

D-PTTBS 1,5/S/2P	3214534	50

Couplings

Notes:
[1]) For additional accessories and technical data, see page 276.
[2]) For derating curve, visit phoenixcontact.net/products
For more cable housings, see page 366.

① —○

1.5 (1.5) mm², 17.5 A, coupling, 2 to 15-pos.

① —○

17.5 A, coupling, for self-assembly

EAC

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**3.5 x No. of pos.**	**27**	**17.8**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	17.5[2])	**500**	**0.14 - 1.5**	**26-14**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	17.5[2]) / 1.5	15 / -	15 / -	- / -

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs./Pkt.
COMBI coupling	2	7 mm	gray	**PPC 1,5/S/ 2**	①	3213386	50
	3	10.5 mm	gray	**PPC 1,5/S/ 3**	①	3213399	50
	4	14 mm	gray	**PPC 1,5/S/ 4**	①	3213409	50
	5	17.5 mm	gray	**PPC 1,5/S/ 5**	①	3213412	50
	6	21 mm	gray	**PPC 1,5/S/ 6**	①	3213425	25
	7	24.5 mm	gray	**PPC 1,5/S/ 7**	①	3213438	25
	8	28 mm	gray	**PPC 1,5/S/ 8**	①	3213441	25
	9	31.5 mm	gray	**PPC 1,5/S/ 9**	①	3213454	25
	10	35 mm	gray	**PPC 1,5/S/10**	①	3213467	25
	11	38.5 mm	gray	**PPC 1,5/S/11**	①	3213470	10
	12	42 mm	gray	**PPC 1,5/S/12**	①	3213483	10
	13	45.5 mm	gray	**PPC 1,5/S/13**	①	3213496	10
	14	49 mm	gray	**PPC 1,5/S/14**	①	3213506	10
	15	52.5 mm	gray	**PPC 1,5/S/15**	①	3213519	10
COMBI coupling, for self-assembly	1	3.5 mm	gray				
	1	3.5 mm	blue				
	1	3.5 mm	green-yellow				

Accessories[1])

Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Cover, width: 3 mm	gray	**D-PPC 1,5/S**	3213690	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	3040588	50
Strain relief, for plug and receptacle, 2-pos.	black	**PZ 1,5/S/2**	3212918	50
Cable housing, for PP–H 1,5... and PPC 1,5... 3-pos.	gray	**PH 1,5/S/3**	3212756	50
4-pos.	gray	**PH 1,5/S/4**	3212769	50
5-pos.	gray	**PH 1,5/S/5**	3212772	50
6-pos.	gray	**PH 1,5/S/6**	3212785	25
7-pos.	gray	**PH 1,5/S/7**	3212798	25
8-pos.	gray	**PH 1,5/S/8**	3212808	25
9-pos.	gray	**PH 1,5/S/9**	3212811	25
10-pos.	gray	**PH 1,5/S/10**	3212824	25
11-pos.	gray	**PH 1,5/S/11**	3212837	10
12-pos.	gray	**PH 1,5/S/12**	3212840	10
13-pos.	gray	**PH 1,5/S/13**	3212853	10
14-pos.	gray	**PH 1,5/S/14**	3212866	10
15-pos.	gray	**PH 1,5/S/15**	3212879	10

EAC

Technical data[1])

Width	Length	Height	
3.5 x No. of pos.	**27**	**17.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5[2])	**500**	**0.14 - 1.5**	**26-14**
IEC	UL / CUL	CSA	Ex
500	600	600	-
17.5[2]) / 1.5	15 / -	15 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PPC 1,5/S/1-L	①	3213357	50
PPC 1,5/S/1-L BU	①	3213360	50
PPC 1,5/S/1-L GNYE	①	3213373	50

Accessories[1])

MPS-MT	0201744	10
MPS-IH RD	0201676	10
D-PPC 1,5/S	3213690	50
PC	3040588	50
PZ 1,5/S/2	3212918	50
PH 1,5/S/3	3212756	50
PH 1,5/S/4	3212769	50
PH 1,5/S/5	3212772	50
PH 1,5/S/6	3212785	25
PH 1,5/S/7	3212798	25
PH 1,5/S/8	3212808	25
PH 1,5/S/9	3212811	25
PH 1,5/S/10	3212824	25
PH 1,5/S/11	3212837	10
PH 1,5/S/12	3212840	10
PH 1,5/S/13	3212853	10
PH 1,5/S/14	3212866	10
PH 1,5/S/15	3212879	10

Couplings

Notes:
1) For additional accessories and technical data, see page 276.
2) For derating curve, visit phoenixcontact.net/products

① —○

17.5 A, coupling for DIN rail mounting

Technical data[1])

Dimensions				
	Width	Length	Height	
	[mm]	**3.5**	**43**	**28.3 (NS 35/7,5) / 28.3 (NS 15)**
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	17.5[2])	**500**	**0.14 - 1.5**	**26-14**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5[2]) / 1.5	15 / -	15 / -	- / -

Ordering data

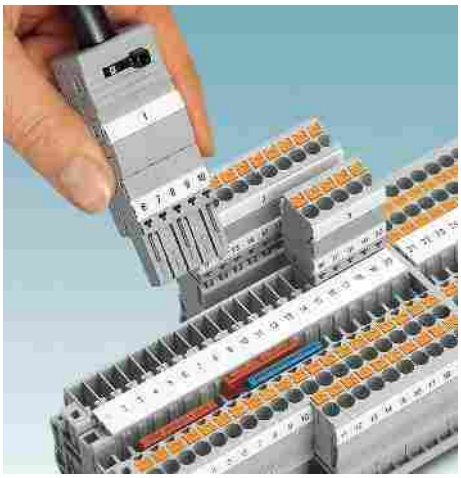
Description	Color	Type		Order No.	Pcs./Pkt.
COMBI coupling	gray	**PPC 1,5/S-NS/1-L**	①	3213700	50

Accessories[1])

Cover, width: 3 mm	gray	**D-PPC 1,5/S**		3213690	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**		3040588	50
Strain relief, for plug and receptacle, 2-pos.	black	**PZ 1,5/S/2**		3212918	50

1.5 mm² COMBI PT plug-in connection solutions

COMBI connectors

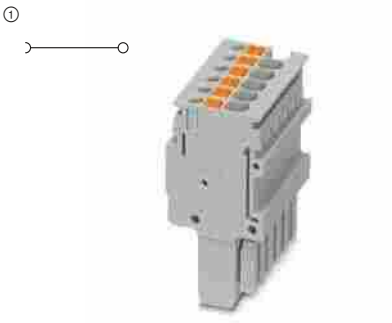


– Comprehensive, optional snap-on accessories available
– Practical coding facility
– Large-surface marking options
– Robust cable housings are available for strain relief on connecting cables

Notes:

[1]) For additional accessories and technical data, see page 276.

[2]) For derating curve, visit phoenixcontact.net/products



17.5 A, connector, connection in plug-in direction

Technical data[1])

Dimensions			
Width	Length	Height	Height plugged
3.5 x No. of pos.	**16.5**	**31.3**	**19.5**
[mm]			

Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5[2])	**500**	**0.14 - 1.5**	**26-14**

Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	17.5[2]) / 1.5	15 / -	15 / -	- / -

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs./Pkt.
COMBI connectors	1	3.5 mm	gray	**PP-H 1,5/S/1**	①	3212484	50
	2	7 mm	gray	**PP-H 1,5/S/2**	①	3212510	50
	3	10.5 mm	gray	**PP-H 1,5/S/3**	①	3212523	50
	4	14 mm	gray	**PP-H 1,5/S/4**	①	3212536	50
	5	17.5 mm	gray	**PP-H 1,5/S/5**	①	3212549	50
	6	21 mm	gray	**PP-H 1,5/S/6**	①	3212552	25
	7	24.5 mm	gray	**PP-H 1,5/S/7**	①	3212565	25
	8	28 mm	gray	**PP-H 1,5/S/8**	①	3212578	25
	9	31.5 mm	gray	**PP-H 1,5/S/9**	①	3212581	25
	10	35 mm	gray	**PP-H 1,5/S/10**	①	3212594	25
	11	38.5 mm	gray	**PP-H 1,5/S/11**	①	3212604	10
	12	42 mm	gray	**PP-H 1,5/S/12**	①	3212617	10
	13	45.5 mm	gray	**PP-H 1,5/S/13**	①	3212620	10
	14	49 mm	gray	**PP-H 1,5/S/14**	①	3212633	10
	15	52.5 mm	gray	**PP-H 1,5/S/15**	①	3212646	10
	1	3.5 mm	blue	**PP-H 1,5/S/1 BU**	①	3212497	50
	1	3.5 mm	green-yellow	**PP-H 1,5/S/1 GNYE**	①	3212507	50

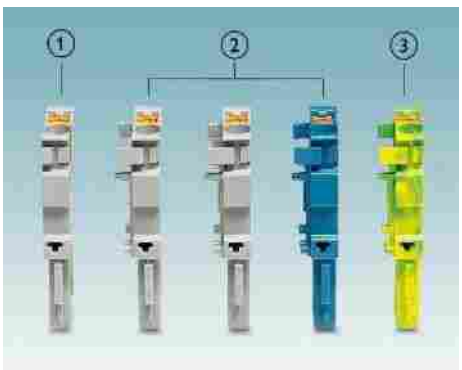
Accessories[1])

Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ 1,5/S**	3212905	50
Latching, for connectors, 1-pos.	orange	**PR 1,5/S**	3212882	50
2-pos.	orange	**PR 1,5/S/2**	3212895	50
Strain relief, for plug and receptacle, 2-pos.	black	**PZ 1,5/S/2**	3212918	50
Cable housing, for PP–H 1,5... and PPC 1,5... 3-pos.	gray	**PH 1,5/S/3**	3212756	50
4-pos.	gray	**PH 1,5/S/4**	3212769	50
5-pos.	gray	**PH 1,5/S/5**	3212772	50
6-pos.	gray	**PH 1,5/S/6**	3212785	25
7-pos.	gray	**PH 1,5/S/7**	3212798	25
8-pos.	gray	**PH 1,5/S/8**	3212808	25
9-pos.	gray	**PH 1,5/S/9**	3212811	25
10-pos.	gray	**PH 1,5/S/10**	3212824	25
11-pos.	gray	**PH 1,5/S/11**	3212837	10
12-pos.	gray	**PH 1,5/S/12**	3212840	10
13-pos.	gray	**PH 1,5/S/13**	3212853	10
14-pos.	gray	**PH 1,5/S/14**	3212866	10
15-pos.	gray	**PH 1,5/S/15**	3212879	10

COMBI connectors for self-assembly

– The Push-in COMBI connectors for self-assembly provide solutions that users can implement themselves
– Robust cable housings are available for strain relief on connecting cables
– The connector is assembled directly on site by snapping together single-position connector elements. See below for an example of how these go together

① PP–H 1,5/S/1-L
② PP–H 1,5/S/1-M and PP–H 1,5/S/1-M BU
③ PP–H 1,5/S/1-R GNYE

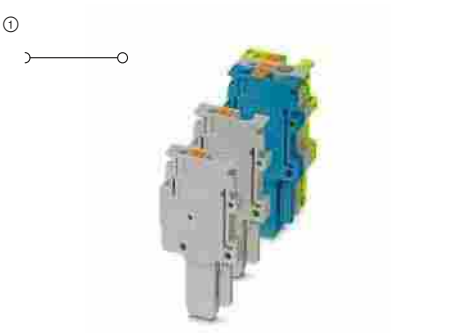


Notes:

[1]) For additional accessories and technical data, see page 276.

[2]) For derating curve, visit phoenixcontact.net/products

For more cable housings, see page 366.



17.5 A, connector, connection in plug-in direction, for self-assembly

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height	Height plugged
		3.5 x No. of pos.	**16.5**	**31.3**	**19.5**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5[2])	**500**	**0.14 - 1.5**	**26-14**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5[2]) / 1.5	15 / -	15 / -	- / -

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs./Pkt.
COMBI connector, left element	1	gray	**PP-H 1,5/S/1-L**	①	3212659	50
	1	blue	**PP-H 1,5/S/1-L BU**	①	3212662	50
	1	green-yellow	**PP-H 1,5/S/1-L GNYE**	①	3212675	50
COMBI connector, center element	1	gray	**PP-H 1,5/S/1-M**	①	3212688	50
	1	blue	**PP-H 1,5/S/1-M BU**	①	3212691	50
	1	green-yellow	**PP-H 1,5/S/1-M GNYE**	①	3212701	50
COMBI connector, right element	1	gray	**PP-H 1,5/S/1-R**	①	3212714	50
	1	blue	**PP-H 1,5/S/1-R BU**	①	3212727	50
	1	green-yellow	**PP-H 1,5/S/1-R GNYE**	①	3212730	50

Accessories[1])

Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ 1,5/S**	3212905	50
Latching, for connectors, 1-pos.	orange	**PR 1,5/S**	3212882	50
2-pos.	orange	**PR 1,5/S/2**	3212895	50
Strain relief, for plug and receptacle, 2-pos.	black	**PZ 1,5/S/2**	3212918	50
Cable housing, for PP–H 1,5... and PPC 1,5... 3-pos.	gray	**PH 1,5/S/3**	3212756	50
4-pos.	gray	**PH 1,5/S/4**	3212769	50
5-pos.	gray	**PH 1,5/S/5**	3212772	50
6-pos.	gray	**PH 1,5/S/6**	3212785	25
7-pos.	gray	**PH 1,5/S/7**	3212798	25
8-pos.	gray	**PH 1,5/S/8**	3212808	25
9-pos.	gray	**PH 1,5/S/9**	3212811	25
10-pos.	gray	**PH 1,5/S/10**	3212824	25
11-pos.	gray	**PH 1,5/S/11**	3212837	10
12-pos.	gray	**PH 1,5/S/12**	3212840	10
13-pos.	gray	**PH 1,5/S/13**	3212853	10
14-pos.	gray	**PH 1,5/S/14**	3212866	10
15-pos.	gray	**PH 1,5/S/15**	3212879	10

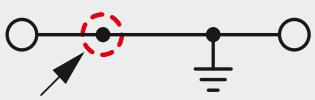
1.5 mm² COMBI QT plug-in connection solutions

General technical data

Rated data		IEC 61984
Rated cross section	[mm²]	1.5
Cross section range	AWG	24 - 16
Connection cross section in acc. with DIN VDE 0295		
H05V(Z) / H07V(Z)	[mm²]	0.5 - 1.5
Class 5 / Class 6 [litz wires Ø 0.1 mm]	[mm²]	0.25 - 0.34
[Litz wires Ø 0.19 mm]	AWG	24 - 16
Frequency of connections with the same cross section		100
Other conductor types and materials on request.		
General data		
Insulating material		PA
Flammability rating in accordance with UL 94		V0
Wire diameter incl. insulation		3 mm

Note: Additional or deviating data is listed alongside the respective product.

Notes:



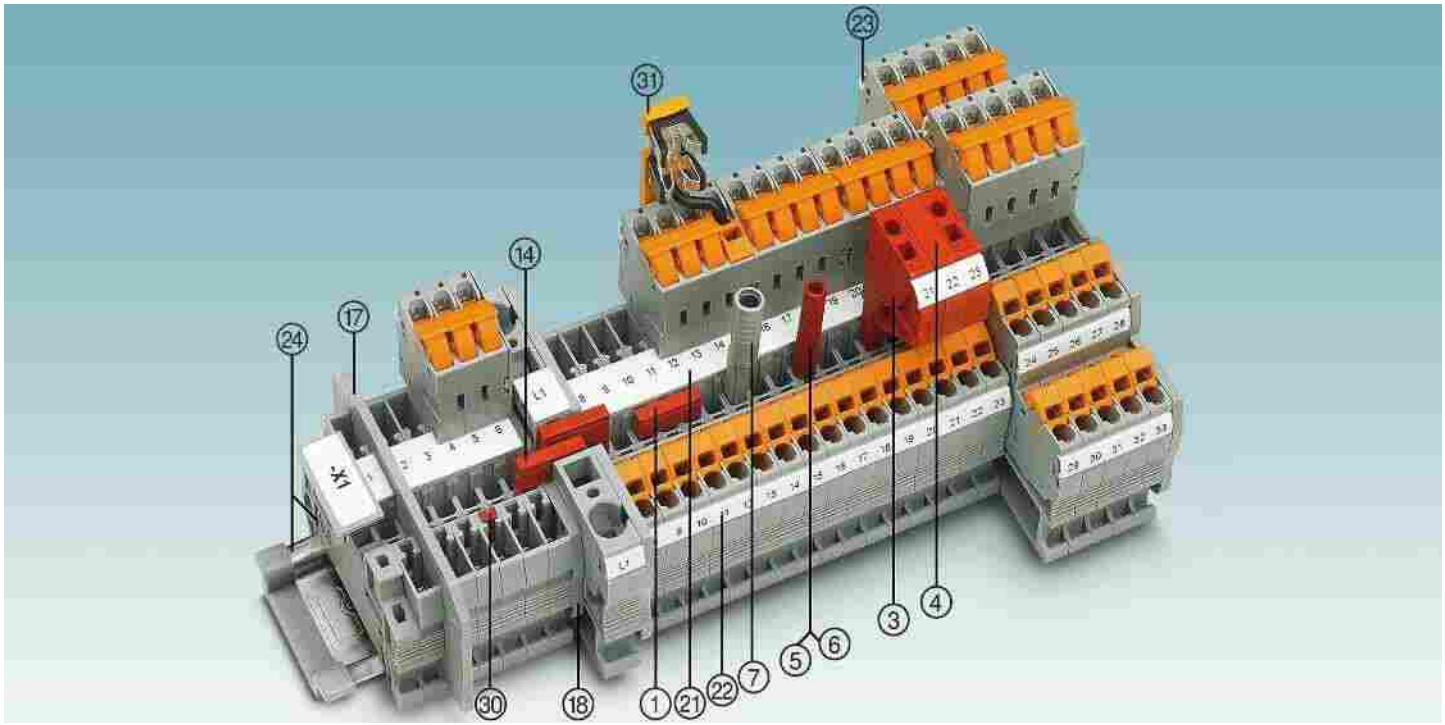
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-5**	3030161	50	**FBSR 2-5**	3033702	50
	3	red	**FBS 3-5**	3030174	50	**FBSR 3-5**	3001591	50
	4	red	**FBS 4-5**	3030187	50	**FBSR 4-5**	3001592	50
	5	red	**FBS 5-5**	3030190	50	**FBSR 5-5**	3001593	50
	10	red	**FBS 10-5**	3030213	10	**FBSR 10-5**	3033710	10
	20	red	**FBS 20-5**	3030226	10			
③ **Modular test plug**		red	**PS-5**	3030983	10			
Spacer plate		red	**DP PS-5**	3036725	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Coding profile		red	**PC**	3040588	50			
Screwdriver			**SZF 1-0,6X3,5**	1204517	10			

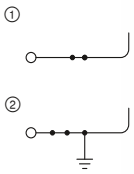
Reducing bridge	**For RB ..., see page 408.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 3, selection tables, from page 60.**
Lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
Latching, strain relief, shielding	**See from page 362.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

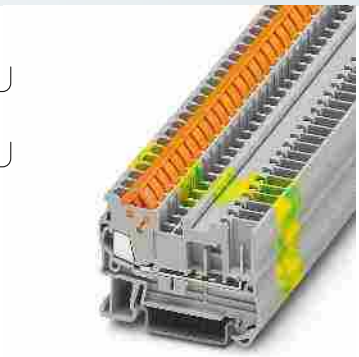
Feed-through and multi-level terminal blocks and ground terminals

Notes:

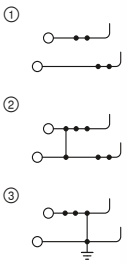
[1]) For additional accessories and technical data, see page 286.

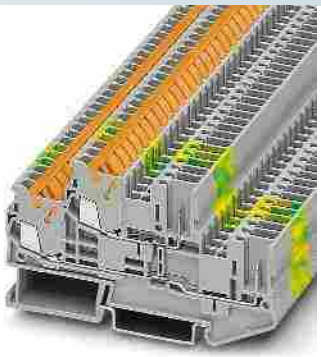
[2]) For derating curve, visit phoenixcontact.net/products





17.5 A, feed-through terminal block





17.5 A, double-level terminal block

Technical data[1])

Dimensions				
	Width	Length	Height	
	[mm]	**5.2**	**53.5**	**39.3 (NS 35/7,5)**
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	17.5[2])	**500**	**0.25 - 1.5**	**24-16**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)		
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5[2]) / 1.5	10 / -	10 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**QTC 1,5/ 1P**	①	3050073	50
	blue	**QTC 1,5/ 1P BU**	①	3050086	50
With potential distribution	gray				
Ground terminal	green-yellow	**QTC 1,5/ 1P-PE**	②	3050099	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-QTC 1,5/1P**	3206322	50

Technical data[1])

	Width	Length	Height	
	5.2	**87.8**	**49.9 (NS 35/7,5)**	
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	17.5[2])	**500**	**0.25 - 1.5**	**24-16**
	24 (FBS) / 17.5 (FBSR)			
	IEC	UL / CUL	CSA	Ex
	500	600	600	-
	17.5[2]) / 1.5	10 / -	10 / -	- / -

Ordering data

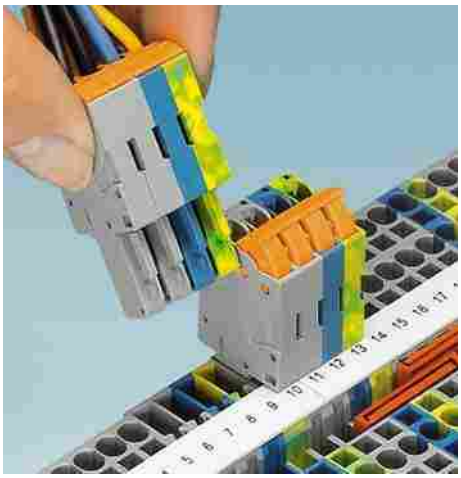
Type		Order No.	Pcs./Pkt.
QTTCB 1,5/ 2P	①	3050196	50
QTTCB 1,5/ 2P BU	①	3050206	50
QTTCB 1,5/ 2P-PV	②	3206377	50
QTTCB 1,5/ 2P-PE	③	3050219	50

Accessories[1])

D-QTTCB 1,5/2P	3206306	50

1.5 mm² COMBI QT plug-in connection solutions

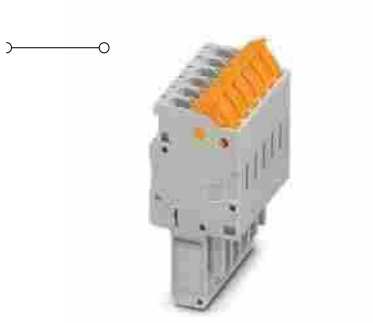
COMBI connectors



- When it comes to the connectors, as is the case with the basic terminal blocks, the right connection technology is available for every application
- The fast connector QP 1,5/... is designed for connection of rigid and flexible conductors
- The conductor is connected using the familiar IDC rotation connection with no stripping, thus saving time

Notes:

[1]) For additional accessories and technical data, see page 286.



17.5 A, connector, connection in plug-in direction

EAC

Technical data[1])

Dimensions			
Width	Length	Height	Height plugged
5.2 x No. of pos.	**20**	**40**	**24**
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
17.5	**500**	**0.25 - 1.5**	**24-16**
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	17.5 / 1.5	10 / -	10 / -	- / -

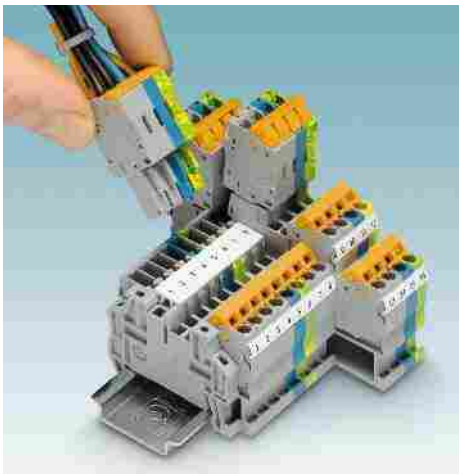
Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs./Pkt.
COMBI connectors	1	5.2 mm	gray	**QP 1,5/ 1**	①	3051108	50
	2	10.4 mm	gray	**QP 1,5/ 2**	①	3051111	50
	3	15.6 mm	gray	**QP 1,5/ 3**	①	3051124	50
	4	20.8 mm	gray	**QP 1,5/ 4**	①	3051137	50
	5	26 mm	gray	**QP 1,5/ 5**	①	3051140	50
	6	31.2 mm	gray	**QP 1,5/ 6**	①	3051153	25
	7	36.4 mm	gray	**QP 1,5/ 7**	①	3051166	25
	8	41.6 mm	gray	**QP 1,5/ 8**	①	3051179	25
	9	46.8 mm	gray	**QP 1,5/ 9**	①	3051182	25
	10	52 mm	gray	**QP 1,5/10**	①	3051195	25
	11	57.2 mm	gray	**QP 1,5/11**	①	3051205	10
	12	62.4 mm	gray	**QP 1,5/12**	①	3051218	10
	13	67.6 mm	gray	**QP 1,5/13**	①	3051221	10
	14	72.8 mm	gray	**QP 1,5/14**	①	3051234	10
	15	78 mm	gray	**QP 1,5/15**	①	3051247	10
	1	5.2 mm	blue	**QP 1,5/ 1 BU**	①	3051250	50
	1	5.2 mm	green-yellow	**QP 1,5/ 1 GNYE**	①	3051263	50

Accessories[1])

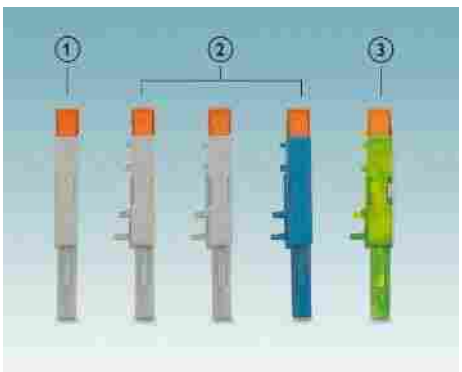
Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ**	3040614	50
Latching, for connectors, 1-pos.	orange	**PR**	3040559	50
2-pos.	orange	**PR/2**	3040630	50
Strain relief, for plugs, 2-pos.	black	**PZ/2**	3040627	50
4-pos.	black	**PZ/4**	3040643	50

COMBI connectors



- The QT-COMBI connectors for self-assembly provide solutions that users can implement themselves
- The fast connector QP 1,5/... is designed for connection of rigid and flexible conductors
- The conductor is connected using the familiar IDC rotation connection with no stripping, thus saving time
- The connector with fast connection is assembled directly on site by snapping together single-position connector elements. See below for an example of how these go together

① QP 1,5/1-L
② QP 1,5/1-M and QP 1,5/1-M BU
③ QP 1,5/1-R GNYE

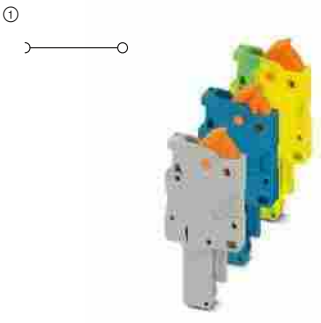


Notes:

[1]) For additional accessories and technical data, see page 286.

[2]) For derating curve, visit phoenixcontact.net/products

For further accessories, see page 362.



17.5 A, connector, connection in plug-in direction, for self-assembly

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height	Height plugged
		5.2 x No. of pos.	**20**	**40**	**24**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5[2])	**500**	**0.25 - 1.5**	**24-16**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	17.5[2]) / 1.5	10 / -	10 / -	- / -

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs./Pkt.
COMBI connector, left element	1	gray	**QP 1,5/ 1-L**	①	3051014	50
	1	blue	**QP 1,5/ 1-L BU**	①	3051027	50
	1	green-yellow	**QP 1,5/ 1-L GNYE**	①	3051030	50
COMBI connector, center element	1	gray	**QP 1,5/ 1-M**	①	3051043	50
	1	blue	**QP 1,5/ 1-M BU**	①	3051056	50
	1	green-yellow	**QP 1,5/ 1-M GNYE**	①	3051069	50
COMBI connector, right element	1	gray	**QP 1,5/ 1-R**	①	3051072	50
	1	blue	**QP 1,5/ 1-R BU**	①	3051085	50
	1	green-yellow	**QP 1,5/ 1-R GNYE**	①	3051098	50

Accessories[1])

Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ**	3040614	50
Latching, for connectors, 1-pos.	orange	**PR**	3040559	50
2-pos.	orange	**PR/2**	3040630	50
Strain relief, for plugs, 2-pos.	black	**PZ/2**	3040627	50
4-pos.	black	**PZ/4**	3040643	50

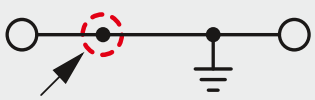
2.5 mm² COMBI PT plug-in connection solutions

General technical data

Rated data		IEC 61984			
Rated cross section	[mm²]	2.5			
Cross section range	AWG	26 - 12			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5
Connection cross sections directly plug-in	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



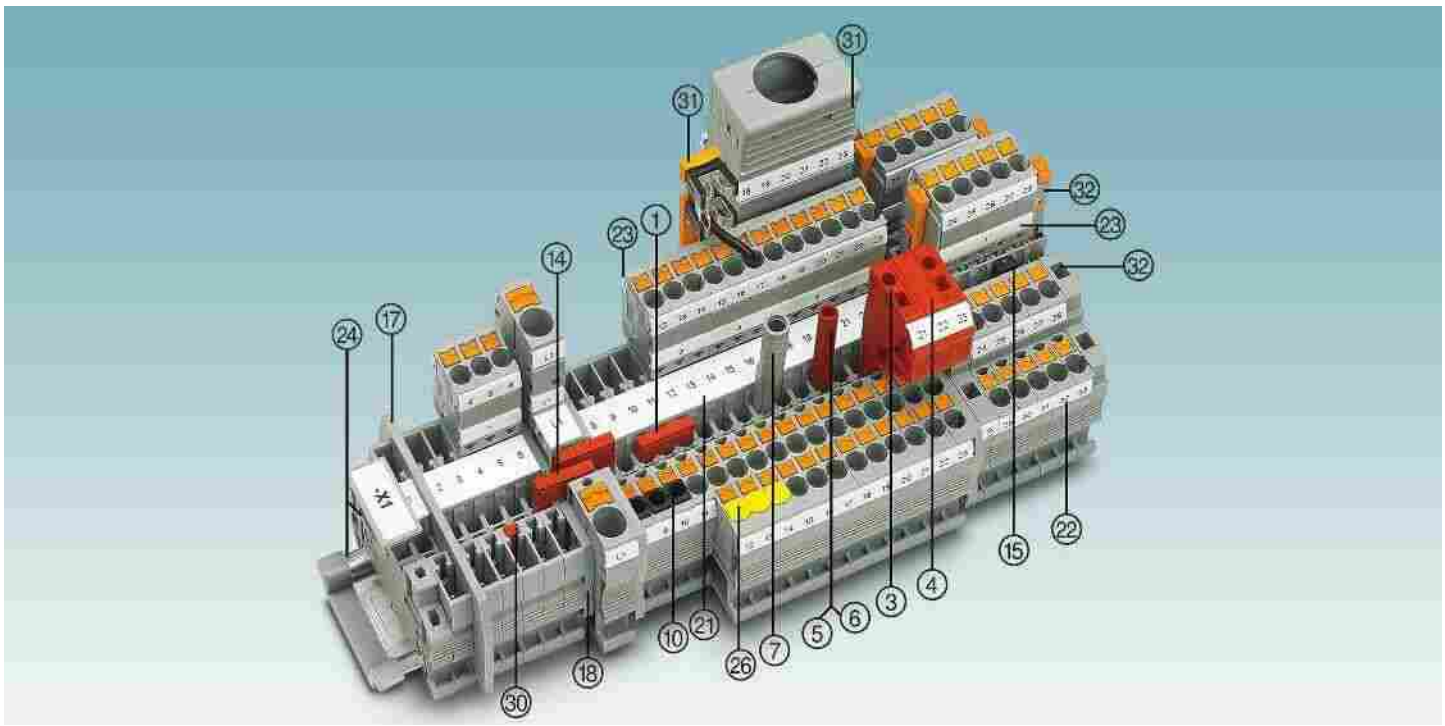
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-5**	3030161	50	**FBSR 2-5**	3033702	50
	3	red	**FBS 3-5**	3030174	50	**FBSR 3-5**	3001591	50
	4	red	**FBS 4-5**	3030187	50	**FBSR 4-5**	3001592	50
	5	red	**FBS 5-5**	3030190	50	**FBSR 5-5**	3001593	50
	10	red	**FBS 10-5**	3030213	10	**FBSR 10-5**	3033710	10
	20	red	**FBS 20-5**	3030226	10			
③ **Modular test plug**		red	**PS-5**	3030983	10			
Spacer plate		red	**DP PS-5**	3036725	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Insulating sleeve		white	**ISH 2,5/0,2**	3002843	50			
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**	3002856	50			
0.75 - 1 mm²		black	**ISH 2,5/1,0**	3002869	50			
Coding profile		red	**PC**	3040588	50			
Screwdriver			**SZF 1-0,6X3,5**	1204517	10			

Reducing bridge	**For RB ..., see page 408.**
Vertical potential bridge	**For FBS-PV ..., see page 404.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 3, selection tables, from page 60.**
Lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
Cover for conductor shaft	**For CEC ..., see page 421.**
Latching, strain relief, shielding	**See from page 362.**
Screw flanges, screw flange cover	**See from page 372.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through, multi-conductor, multi-level, and ground terminal blocks

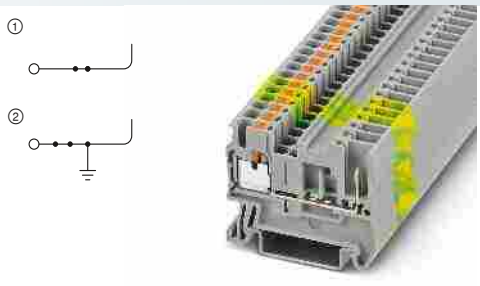
Notes:

1) For additional accessories and technical data, see page 290.

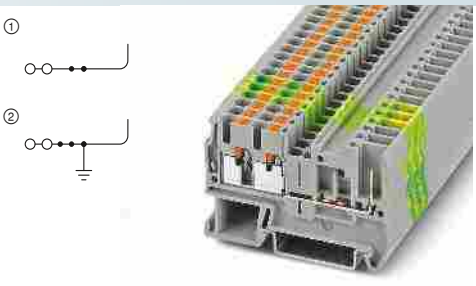
2) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 372.

For self-locking flange, see page 371.



24 A, feed-through terminal block



24 A, feed-through terminal block, 3 connections

Technical data[1]							
Dimensions	Width	Length	Height		Width	Length	Height	
[mm]	**5.2**	**48.5**	**36.5 (NS 35/7,5)**		**5.2**	**60.5**	**36.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24[2])	**500**	**0.14 - 4**	**26-12**	**24[2])**	**500**	**0.14 - 4**	**26-12**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)				24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	300	-	500	600	300	-
Nominal current / cross section [A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	- / -	24[2]) / 2.5	20 / -	20 / -	- / -

Ordering data							
Description	Color	**Type**		**Order No.**	Pcs./Pkt.	**Type**		**Order No.**	Pcs./Pkt.
Terminal block	gray	**PT 2,5/1P**	①	3210033	50	**PT 2,5-TWIN/1P**	①	3209633	50
	blue	**PT 2,5/1P BU**	①	3210046	50	**PT 2,5-TWIN/1P BU**	①	3209646	50
Ground terminal	green-yellow	**PT 2,5/1P-PE**	②	3210059	50	**PT 2,5-TWIN/1P-PE**	②	3209659	50

Accessories[1]					
Cover, width: 2.2 mm	gray	**D-ST 2,5**		3030417	50	**D-ST 2,5-TWIN**		3030488	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

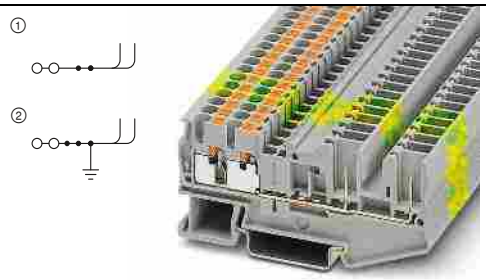
Notes:

1) For additional accessories and technical data, see page 290.

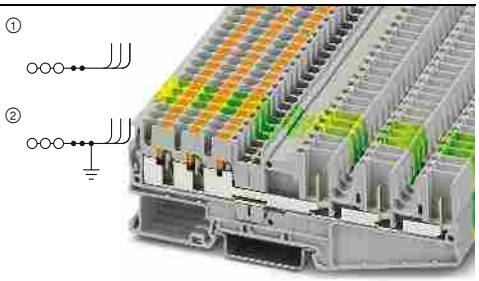
2) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 372.

For self-locking flange, see page 371.



24 A, feed-through terminal block, 4 connections



24 A, feed-through terminal block, 6 connections

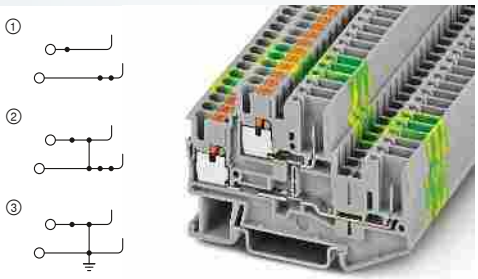
Technical data[1]							
Dimensions	Width	Length	Height		Width	Length	Height	
[mm]	**5.2**	**81**	**36.5 (NS 35/7,5)**		**5.2**	**111.2**	**36.8 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24[2])	**500**	**0.14 - 4**	**26-12**	**24[2])**	**500**	**0.14 - 4**	**26-12**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)				24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	300	-	500	300	-	-
Nominal current / cross section [A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	- / -	24[2]) / 2.5	20 / -	- / -	- / -

Ordering data							
Description	Color	**Type**		**Order No.**	Pcs./Pkt.	**Type**		**Order No.**	Pcs./Pkt.
Terminal block	gray	**PT 2,5-QUATTRO/2P**	①	3209662	50	**PT 2,5-HEXA/3P**	①	3040044	50
	blue	**PT 2,5-QUATTRO/2P BU**	①	3209675	50	**PT 2,5-HEXA/3P BU**	①	3040048	50
Ground terminal	green-yellow	**PT 2,5-QUATTRO/2P-PE**	②	3209688	50	**PT 2,5-HEXA/3P-PE**	②	3040052	50

Accessories[1]					
Cover, width: 2.2 mm	gray	**D-ST 2,5-QUATTRO/2P**		3040083	50	**D-PT 2,5-HEXA/3P**		3040058	50
Spacer plate, width: 5.2 mm	orange					**DP-PT 2,5-HEXA/3P**		3040060	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:
1) For additional accessories and technical data, see page 290.
2) For derating curve, visit phoenixcontact.net/products
For screw flange, see page 372.
For self-locking flange, see page 371.



22 A, double-level terminal block

EAC

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data1)

Width	Length	Height	
5.2	**71.5**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
22²)	**500**	**0.14 - 4**	**24-12**
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	300	-
22²) / 2.5	20 / -	20 / -	- / -

Description	Color
Terminal block	gray
	blue
With potential distribution	gray
Ground terminal	green-yellow
Cover, width: 2.2 mm	gray

Ordering data

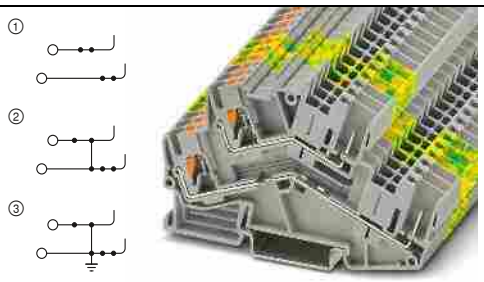
Type		Order No.	Pcs./Pkt.
PTTB 2,5/2P	①	3210871	50
PTTB 2,5/2P BU	①	3210884	50
PTTB 2,5/2P-PV	②	3210907	50
PTTB 2,5/2P-PE	③	3210897	50

Accessories1)

D-STTB 2,5/2P	3040096	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:
1) For additional accessories and technical data, see page 290.
2) For derating curve, visit phoenixcontact.net/products



22 A, double-level terminal block, desk design

EAC

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data1)

Width	Length	Height	
5.2	**92.6**	**55 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
22²)	**800**	**0.14 - 4**	**26-12**
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
800	600	600	-
22²) / 2.5	20 / -	20 / -	- / -

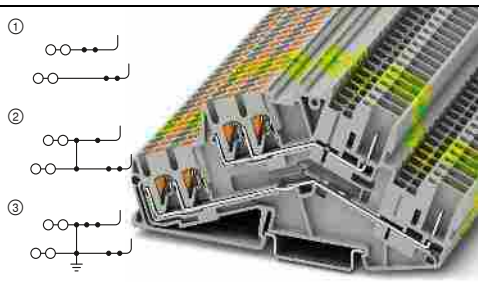
Description	Color
Terminal block	gray
	blue
With potential distribution	gray
Ground terminal	green-yellow
Cover, width: 2.2 mm	gray

Ordering data

Type		Order No.	Pcs./Pkt.
PTTBS 2,5/2P	①	3211260	50
PTTBS 2,5/2P BU	①	3211261	50
PTTBS 2,5/2P-PV	②	3211262	50
PTTBS 2,5/2P-PE	③	3211263	50

Accessories1)

D-PTTBS 2,5/2P	3211264	50



18 A, double-level terminal block, desk design

EAC

Technical data1)

Width	Length	Height	
5.2	**111.8**	**55 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
18²)	**500**	**0.14 - 4**	**26-12**
20 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
18²) / 2.5	20 / -	20 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PTTBS 2,5-TWIN/2P	①	3210604	50
PTTBS 2,5-TWIN/2P BU	①	3210605	50
PTTBS 2,5-TWIN/2P-PV	②	3210607	50
PTTBS 2,5-TWIN/2P-PE	③	3210606	50

Accessories1)

D-PTTBS 2,5-TWIN	3210608	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

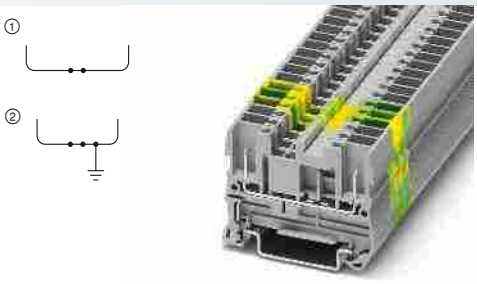
Notes:

[1]) For additional accessories and technical data, see page 290.

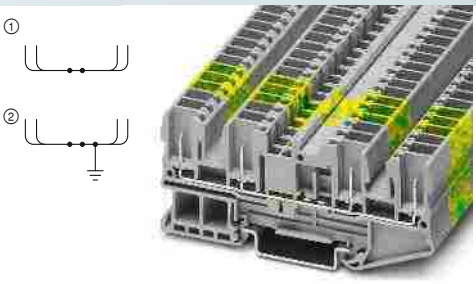
[2]) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 372.

For self-locking flange, see page 371.



24 A, feed-through terminal block



24 A, feed-through terminal block, 4 connections

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**49.1**	**36.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[2])	**500**	**0.08 - 4**	**-**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	- / -
Cross section range	AWG	28 - 12	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**89.5**	**36.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[2])	**500**	**0.08 - 4**	**-**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	- / -
Cross section range	AWG	28 - 12	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**ST 2,5/2P**	①	3042133	50
	blue	**ST 2,5/2P BU**	①	3042094	50
Ground terminal	green-yellow	**ST 2,5/2P-PE**	②	3042146	50

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**ST 2,5-QUATTRO/4P**	①	3042159	50
	blue	**ST 2,5-QUATTRO/4P BU**	①	3042081	50
Ground terminal	green-yellow	**ST 2,5-QUATTRO/4P-PE**	②	3042162	50

Accessories[1])			
Cover, width: 2.2 mm	gray	**D-ST 2,5**	3030417	50

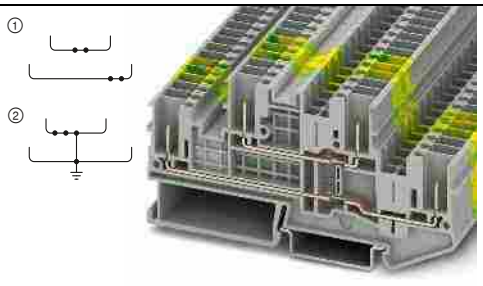
Accessories[1])			
D-ST 2,5-QUATTRO/4P		3042175	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

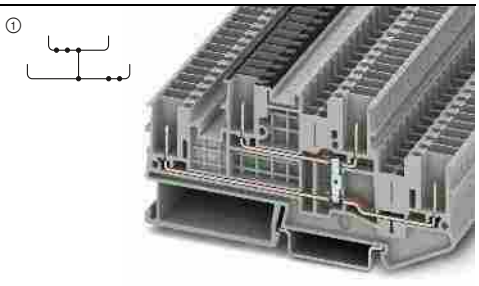
Notes:

[1]) For additional accessories and technical data, see page 290.

[2]) For derating curve, visit phoenixcontact.net/products



22 A, double-level terminal block



22 A, double-level terminal block with equipotential bonding

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**98.8**	**47.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		22[2])	**500**	**0.08 - 4**	**-**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	22[2]) / 2.5	20 / -	20 / -	- / -
Cross section range	AWG	28 - 12	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5

		Technical data[1])			
Dimensions		Width	Length	Height	
	[mm]	**5.2**	**98.8**	**47.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		22[2])	**500**	**0.08 - 4**	**-**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	22[2]) / 2.5	20 / -	20 / -	- / -
Cross section range	AWG	28 - 12	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**STTB 2,5/4P**	①	3061486	50
	blue	**STTB 2,5/4P BU**	①	3061512	50
	gray				
Ground terminal	green-yellow	**STTB 2,5/4P-PE**	②	3061499	50

Description	Color	Type		Order No.	Pcs./Pkt.
		STTB 2,5/4P-PV	①	3061509	50

Accessories[1])			
Cover, width: 2.2 mm	gray	**D-STTB 2,5/4P**	3061538	50

Accessories[1])			
D-STTB 2,5/4P		3061538	50

2.5 mm² COMBI PT plug-in connection solutions

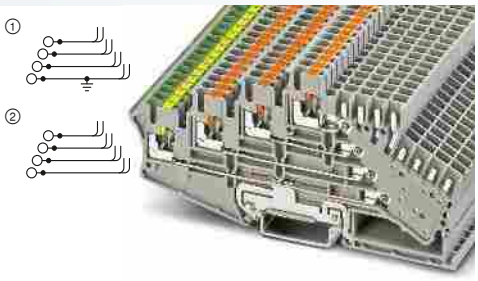
Four-level terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 290.

[2]) For derating curve, visit phoenixcontact.net/products

10 A, four-level terminal block



10 A, four-level terminal block with PE foot

Technical data[1])			
Dimensions			
Width	Length	Height	
5.2	**105.6**	**59 (NS 35/7,5)**	
[mm]			
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
10[2])	**250**	**0.14 - 4**	**26-12**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)		
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	250	300	300	-
Nominal current / cross section [A] / [mm²]	10[2]) / 1.5	10 / -	10 / -	- / -

Technical data[1])			
Width	Length	Height	
5.2	**125**	**59 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
10[2])	**250**	**0.14 - 4**	**26-14**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
250	300	300	-
10[2]) / 1.5	10 / -	10 / -	- / -

Description	Color
Terminal block	gray
Terminal block, with PE foot	gray
Terminal block, with two plug-in connections	gray

Ordering data		
Type	**Order No.**	Pcs./Pkt.
PT 2,5-4L/1P ①	3012300	50

Ordering data		
Type	**Order No.**	Pcs./Pkt.
PT 2,5-PE/3L/2P ①	3012316	50
PT 2,5-4L/2P ②	3012310	50

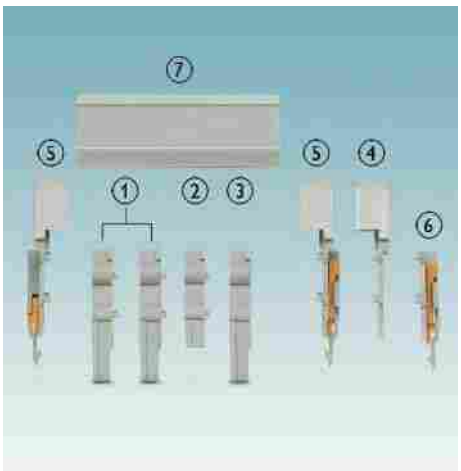
Accessories[1])		
D-PT 2,5-4L/1P	3012301	10
PT 2,5-4L/1P-FS	3012302	10
PT 2,5-4L/1P-F	3012326	10

Accessories[1])		
D-PT 2,5-4L/2P	3012311	10
PT 2,5-4L/2P-FS	3012312	10

Connector housing for four-level terminal blocks

Notes:

In order to crimp STG-MTN... modular socket contacts, the CRIMPFOX MT 2,5 (Order No. 1204038) must be used.



① 4-pos. connector with CP−H 2,5-4L-Z engagement pin
② DP-CP-H 2,5-4L spacer plate
③ CP-H 2,5-4L 4-pos. connector
D-CP-H 2,5-4L cover profile carrier
DFS-CP-H 2,5-4L cover profile carrier with self-locking flange cover
DFS-CP 2,5-4L self-locking flange cover
AP-CP-H cover profile

Connector housing, for accommodating four socket contacts

Description	Color
Connector housing, for accommodating 4 socket contacts	gray
	gray
Connector housing with engagement pin	gray
	gray
Self-locking flange, can be labeled with UC-TM	gray
	gray
Spacer plate	gray
Cover profile, 1 m, can be labeled with UC-TM ...	gray
Cover profile carrier	gray
Cover profile carrier, with self-locking flange cover	gray
Self-locking flange cover	gray
Screw flange cover	gray
Module socket contact, 0.5 ... 1 mm²	silver
for wires from 1.5 ... 2.5 mm²	silver

Ordering data		
Type	**Order No.**	Pcs./Pkt.
CP-H 2,5-4L	3012313	50
CP-H 2,5-4L-PE	3012323	50
CP-H 2,5-4L-Z	3012314	50
CP-H 2,5-4L-Z-PE	3012324	50

Accessories		
PT 2,5-4L/1P-FS	3012302	10
PT 2,5-4L/2P-FS	3012312	10
DP-CP-H 2,5-4L	3012319	50
AP-CP-H METER	3012315	10
D-CP-H 2,5-4L	3012320	50
DFS-CP-H 2,5-4L	3012317	50
DFS-CP 2,5-4L	3012321	50
DF-CP 2,5-4L	3012327	10
STG-MTN 0,5-1,0	3190438	100
STG-MTN 1,5-2,5	3190506	100

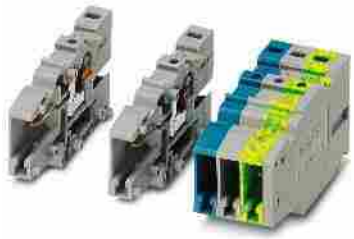
Couplings

Notes:
1) For additional accessories and technical data, see page 290.
2) For derating curve, visit phoenixcontact.net/products

① —○

24 A, coupling

① —○



24 A, coupling, for self-assembly

EAC

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**5.2 x No. of pos.**	**20.5**	**41**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24	**500**	**0.14 - 4**	**26-12**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	300	300	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	- / -
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.14 - 4	0.14 - 2.5	-	0.14 - 2.5
Connection cross sections directly plug-in [mm²]	0.34 - 4	-	0.34 - 2.5	0.5 - 2.5

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs./Pkt.
COMBI coupling	2	10.4 mm	gray	**PPC 2,5/2**	①	3000656	50
	3	15.4 mm	gray	**PPC 2,5/3**	①	3000657	50
	4	20.6 mm	gray	**PPC 2,5/4**	①	3000658	50
	5	25.7 mm	gray	**PPC 2,5/5**	①	3000659	50
	6	30.9 mm	gray	**PPC 2,5/6**	①	3000660	25
	7	36 mm	gray	**PPC 2,5/7**	①	3000661	25
	8	41.2 mm	gray	**PPC 2,5/8**	①	3000662	25
	9	46.3 mm	gray	**PPC 2,5/9**	①	3000663	25
	10	51.5 mm	gray	**PPC 2,5/10**	①	3000664	25
	11	56.6 mm	gray	**PPC 2,5/11**	①	3000665	10
	12	61.8 mm	gray	**PPC 2,5/12**	①	3000666	10
	13	66.9 mm	gray	**PPC 2,5/13**	①	3000667	10
	14	72.1 mm	gray	**PPC 2,5/14**	①	3000668	10
	15	77.2 mm	gray	**PPC 2,5/15**	①	3000669	10
COMBI coupling, for self-assembly	1	5.2 mm	gray				
	1	5.2 mm	blue				
	1	5.2 mm	green-yellow				

Accessories[1])

Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Cover, width: 2.2 mm	gray	**D-PPC 2,5**	3000671	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	3040588	50

EAC

Technical data[1])

Width	Length	Height	
5.2 x No. of pos.	**20.5**	**41**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.14 - 4**	**26-12**
IEC	UL / CUL	CSA	Ex
500	300	300	-
24[2]) / 2.5	20 / -	20 / -	- / -
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 4	0.14 - 2.5	-	0.14 - 2.5
0.34 - 4	-	0.34 - 2.5	0.5 - 2.5

Ordering data

Type		Order No.	Pcs./Pkt.
PPC 2,5/1-L	①	3000653	50
PPC 2,5/1-L BU	①	3000654	50
PPC 2,5/1-L GNYE	①	3000655	50

Accessories[1])

MPS-MT	0201744	10
MPS-IH RD	0201676	10
D-PPC 2,5	3000671	50
PC	3040588	50

2.5 mm² COMBI PT plug-in connection solutions

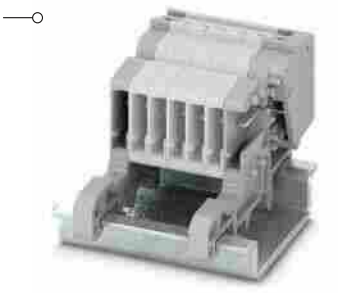
Couplings

– The panel feed-through can be used to securely fasten free-hanging PPC 2,5 couplings in panel cutouts
– The panel feed-through elements are snapped onto the free-hanging receptacles, and pushed into the panel cutout where they snap in automatically

Notes:

[1]) For additional accessories and technical data, see page 290.

[2]) For derating curve, visit phoenixcontact.net/products



24 A, coupling for DIN rail mounting

Panel feed-through

EAC

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**5.2**	**41**	**35.2 (NS 35/7,5) / 34.7 (NS 15)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24[2])	**500**	**0.14 - 4**	**26-12**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	300	300	-
Nominal current / cross section [A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	- / -
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.14 - 4	0.14 - 2.5	-	0.14 - 2.5
Connection cross sections directly plug-in [mm²]	0.34 - 4	-	0.34 - 2.5	0.5 - 2.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
COMBI coupling	gray	**PPC 2,5-NS/1-L**	①	3000652	50
Panel feed-through, for snapping on to receptacles, 1 SSL 2.5 consists of a left-hand and a right-hand element, for metal thicknesses of 0.8 - 3 mm	gray				

Accessories[1])

Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Cover, width: 2.2 mm	gray	**D-PPC 2,5**	3000671	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	3040588	50

EAC

Technical data[1])

Width	Length	Height	
5.2	**-**		
		max. Ø [mm²]	AWG (UL)
		-	**-**
IEC	UL / CUL	CSA	Ex
-	-	-	-
-	- / -	- / -	- / -
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-

Ordering data

Type	Order No.	Pcs./Pkt.
SSL 2,5	3043815	50

Accessories[1])

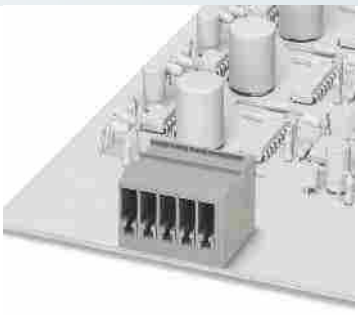
Fit the receptacle and SSL 2.5 in panel cutout

Fixing the receptacle

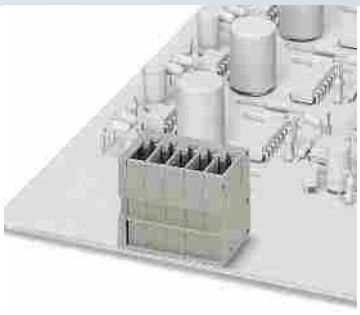
COMBI headers for PCB connection

Notes:

For additional accessories and technical data, see page 364 or visit phoenixcontact.net/products



24 A, header, horizontal plug-in direction



24 A, header, vertical plug-in direction

EAC

Technical data

Dimensions					
	Width	Length	Height		
[mm]	**10.4**	**21.7**	**18.1**		
Maximum electrical data	$I_{max.}$ [A]		max. Ø [mm²]	AWG (UL)	
	24		**-**	**-**	
Rated data	IEC	UL	CSA	IEC/ EN 60079-7	
Rated voltage [V]	-	300	-	-	
Nominal current / cross section [A] / [mm²]	24 / 2.5	15 / -	-	-	
Rated cross section [mm²]	2.5	-	-	-	
General data					
Insulating material	PA				
Flammability rating in accordance with UL 94	V0				

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs./Pkt.
COMBI header						
	2	10.4 mm	gray	**ST 2,5-PCB/ 2-G-5,2**	1980378	50
	3	15.6 mm	gray	**ST 2,5-PCB/ 3-G-5,2**	1980381	50
	4	20.8 mm	gray	**ST 2,5-PCB/ 4-G-5,2**	1980394	50
	5	26 mm	gray	**ST 2,5-PCB/ 5-G-5,2**	1980404	50
	6	31.2 mm	gray	**ST 2,5-PCB/ 6-G-5,2**	1980417	50
	7	36.4 mm	gray	**ST 2,5-PCB/ 7-G-5,2**	1980420	50
	8	41.6 mm	gray	**ST 2,5-PCB/ 8-G-5,2**	1980433	50
	9	46.8 mm	gray	**ST 2,5-PCB/ 9-G-5,2**	1980446	50
	10	52 mm	gray	**ST 2,5-PCB/10-G-5,2**	1980459	50
	11	57.2 mm	gray	**ST 2,5-PCB/11-G-5,2**	1980462	50
	12	62.4 mm	gray	**ST 2,5-PCB/12-G-5,2**	1980475	50

EAC

Technical data

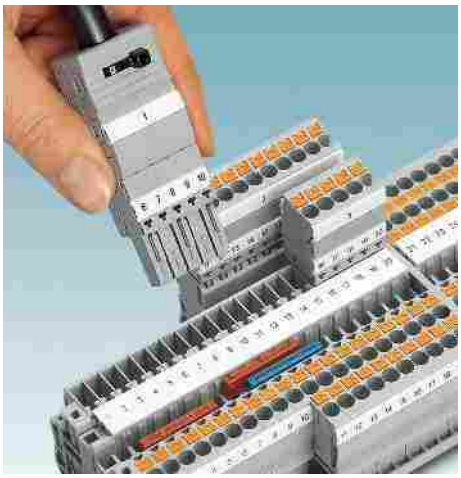
Width	Length	Height		
12.5	**18.05**	**21.7**		
$I_{max.}$ [A]		max. Ø [mm²]	AWG (UL)	
24		**-**	**-**	
IEC	UL	CSA	IEC/ EN 60079-7	
-	300	-	-	
24 / 2.5	15 / -	-	-	
2.5	-	-	-	
PA				
V0				

Ordering data

Type	Order No.	Pcs./Pkt.
ST 2,5-PCBV/ 2-G-5,2	1980488	50
ST 2,5-PCBV/ 3-G-5,2	1980491	50
ST 2,5-PCBV/ 4-G-5,2	1980501	50
ST 2,5-PCBV/ 5-G-5,2	1980514	50
ST 2,5-PCBV/ 6-G-5,2	1980527	50
ST 2,5-PCBV/ 7-G-5,2	1980530	50
ST 2,5-PCBV/ 8-G-5,2	1980543	50
ST 2,5-PCBV/ 9-G-5,2	1980556	50
ST 2,5-PCBV/10-G-5,2	1980569	50
ST 2,5-PCBV/11-G-5,2	1980572	50
ST 2,5-PCBV/12-G-5,2	1980585	50

2.5 mm² COMBI PT plug-in connection solutions

COMBI connectors

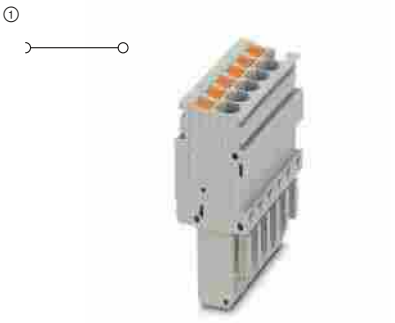


- Comprehensive, optional snap-on accessories available
- Practical coding facility
- Large-surface marking options
- Robust cable housings are available for strain relief on connecting cables

Notes:

[1]) For additional accessories and technical data, see page 290.

[2]) For derating curve, visit phoenixcontact.net/products



24 A, connector, connection in plug-in direction

EAC

Technical data[1])

Dimensions			
[mm]			

Maximum electrical data			

Rated data			
Rated voltage	[V]		
Nominal current / cross section	[A] / [mm²]		

Width	Length	Height	Height plugged
5.2 x No. of pos.	**15.8**	**40.2**	**24**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.14 - 4**	**26-12**
IEC	UL / CUL	CSA	Ex
500	600	300	-
24[2]) / 2.5	20 / -	20 / -	- / -

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs./Pkt.
COMBI connectors	1	5.2 mm	gray	**PP-H 2,5/ 1**	①	3209866	50
	2	10.4 mm	gray	**PP-H 2,5/ 2**	①	3209879	50
	3	15.6 mm	gray	**PP-H 2,5/ 3**	①	3209882	50
	4	20.8 mm	gray	**PP-H 2,5/ 4**	①	3209895	50
	5	26 mm	gray	**PP-H 2,5/ 5**	①	3209905	50
	6	31.2 mm	gray	**PP-H 2,5/ 6**	①	3209918	25
	7	36.4 mm	gray	**PP-H 2,5/ 7**	①	3209921	25
	8	41.6 mm	gray	**PP-H 2,5/ 8**	①	3209934	25
	9	46.8 mm	gray	**PP-H 2,5/ 9**	①	3209947	25
	10	52 mm	gray	**PP-H 2,5/10**	①	3209950	25
	11	57.2 mm	gray	**PP-H 2,5/11**	①	3209963	10
	12	62.4 mm	gray	**PP-H 2,5/12**	①	3209976	10
	13	67.6 mm	gray	**PP-H 2,5/13**	①	3209989	10
	14	72.8 mm	gray	**PP-H 2,5/14**	①	3209992	10
	15	78 mm	gray	**PP-H 2,5/15**	①	3210004	10
	1	5.2 mm	blue	**PP-H 2,5/ 1 BU**	①	3210017	50
	1	5.2 mm	green-yellow	**PP-H 2,5/ 1 GNYE**	①	3210020	50

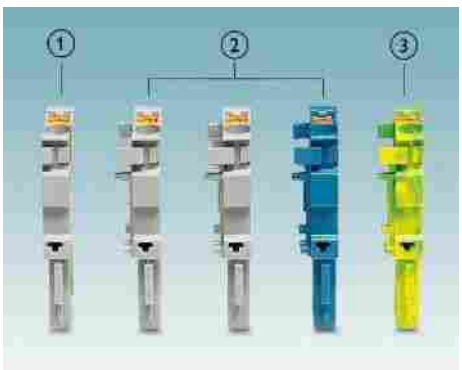
Accessories[1])

Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ**	3040614	50
Latching, for connectors, 1-pos.	orange	**PR**	3040559	50
2-pos.	orange	**PR/2**	3040630	50
Strain relief, for plugs, 2-pos.	black	**PZ/2**	3040627	50
Screw flange cover, for SP-H ... and PP 2,5..., PP-H ...COMBI connectors	gray	**DF-SP-H 2,5**	3209824	50
Cable housing, for COMBI plugs SP–H ... and PP–H ..., 2-pos.	gray	**PH 2,5/ 2**	3209691	50
3-pos.	gray	**PH 2,5/ 3**	3209701	50
4-pos.	gray	**PH 2,5/ 4**	3209714	50
5-pos.	gray	**PH 2,5/ 5**	3209727	50
6-pos.	gray	**PH 2,5/ 6**	3209730	25
7-pos.	gray	**PH 2,5/ 7**	3209743	25
8-pos.	gray	**PH 2,5/ 8**	3209756	25
9-pos.	gray	**PH 2,5/ 9**	3209507	25
10-pos.	gray	**PH 2,5/10**	3209769	25
11-pos.	gray	**PH 2,5/11**	3209772	10
12-pos.	gray	**PH 2,5/12**	3209785	10
13-pos.	gray	**PH 2,5/13**	3209798	10
14-pos.	gray	**PH 2,5/14**	3209808	10
15-pos.	gray	**PH 2,5/15**	3209811	10

COMBI connectors for self-assembly

– The Push-in COMBI connectors for self-assembly provide solutions that users can implement themselves
– Robust cable housings are available for strain relief on connecting cables
– The connector is assembled directly on site by snapping together single-position connector elements. See below for an example of how these go together

① PP–H 2,5/S/1-L
② PP–H 2,5/S/1-M and PP–H 2.5/S/1-M BU
③ PP–H 2,5/S/1-R GNYE



Notes:

[1]) For additional accessories and technical data, see page 290.

[2]) For derating curve, visit phoenixcontact.net/products

24 A, connector, connection in plug-in direction, for self-assembly

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height	Height plugged
		5.2 x No. of pos.	**15.8**	**40.2**	**24**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[2])	**500**	**0.14 - 4**	**26-12**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	- / -

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs./Pkt.
COMBI connector, left element	1	gray	**PP-H 2,5/1-L**	①	3210062	50
	1	blue	**PP-H 2,5/1-L BU**	①	3210075	50
	1	green-yellow	**PP-H 2,5/1-L GNYE**	①	3210088	50
COMBI connector, center element	1	gray	**PP-H 2,5/1-M**	①	3210091	50
	1	blue	**PP-H 2,5/1-M BU**	①	3210101	50
	1	green-yellow	**PP-H 2,5/1-M GNYE**	①	3210114	50
COMBI connector, right element	1	gray	**PP-H 2,5/1-R**	①	3210127	50
	1	blue	**PP-H 2,5/1-R BU**	①	3210130	50
	1	green-yellow	**PP-H 2,5/1-R GNYE**	①	3210143	50

Accessories[1])

Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ**	3040614	50
Latching, for connectors, 1-pos.	orange	**PR**	3040559	50
2-pos.	orange	**PR/2**	3040630	50
Strain relief, for plugs, 2-pos.	black	**PZ/2**	3040627	50
Screw flange cover, for SP-H ... and PP 2,5..., PP-H ...COMBI connectors	gray	**DF-SP-H 2,5**	3209824	50
Cable housing, for COMBI plugs SP–H ... and PP–H ..., 2-pos.	gray	**PH 2,5/ 2**	3209691	50
3-pos.	gray	**PH 2,5/ 3**	3209701	50
4-pos.	gray	**PH 2,5/ 4**	3209714	50
5-pos.	gray	**PH 2,5/ 5**	3209727	50
6-pos.	gray	**PH 2,5/ 6**	3209730	25
7-pos.	gray	**PH 2,5/ 7**	3209743	25
8-pos.	gray	**PH 2,5/ 8**	3209756	25
9-pos.	gray	**PH 2,5/ 9**	3209507	25
10-pos.	gray	**PH 2,5/10**	3209769	25
11-pos.	gray	**PH 2,5/11**	3209772	10
12-pos.	gray	**PH 2,5/12**	3209785	10
13-pos.	gray	**PH 2,5/13**	3209798	10
14-pos.	gray	**PH 2,5/14**	3209808	10
15-pos.	gray	**PH 2,5/15**	3209811	10

2.5 mm² COMBI PT plug-in connection solutions

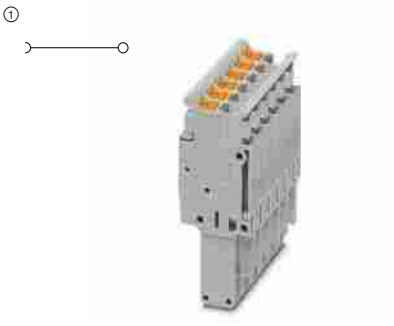
COMBI connectors for 800 V in accordance with IEC or 600 V in accordance with UL

– For high standards in accordance with UL 508A
– 600 V for applications in accordance with UL 1059, use group C

Notes:

[1]) For additional accessories and technical data, see page 290.

[2]) For derating curve, visit phoenixcontact.net/products



24 A, connector, connection in plug-in direction

EAC

Technical data[1])

Dimensions			
Width	Length	Height	Height plugged
5.2 x No. of pos.	**16**	**41.2**	**25.6**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**800**	**0.14 - 4**	**26-12**
IEC	UL / CUL	CSA	Ex
800	600	600	-
24[2]) / 2.5	20 / -	20 / -	- / -

Maximum electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs./Pkt.
COMBI connectors	1	5.2 mm	gray	**PP 2,5/ 1**	①	3211280	50
	2	10.4 mm	gray	**PP 2,5/ 2**	①	3211281	50
	3	15.6 mm	gray	**PP 2,5/ 3**	①	3211282	50
	4	20.8 mm	gray	**PP 2,5/ 4**	①	3211283	50
	5	26 mm	gray	**PP 2,5/ 5**	①	3211284	50
	6	31.2 mm	gray	**PP 2,5/ 6**	①	3211285	25
	7	36.4 mm	gray	**PP 2,5/ 7**	①	3211286	25
	8	41.6 mm	gray	**PP 2,5/ 8**	①	3211287	25
	9	46.8 mm	gray	**PP 2,5/ 9**	①	3211288	25
	10	52 mm	gray	**PP 2,5/10**	①	3211289	25
	11	57.2 mm	gray	**PP 2,5/11**	①	3211290	10
	12	62.4 mm	gray	**PP 2,5/12**	①	3211291	10
	13	67.6 mm	gray	**PP 2,5/13**	①	3211292	10
	14	72.8 mm	gray	**PP 2,5/14**	①	3211293	10
	15	78 mm	gray	**PP 2,5/15**	①	3211294	10

Accessories[1])

Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ**	3040614	50
Latching, for connectors, 1-pos.	orange	**PR**	3040559	50
2-pos.	orange	**PR/2**	3040630	50
Strain relief, for plugs, 2-pos.	black	**PZ/2**	3040627	50
Screw flange cover, for SP-H ... and PP 2,5..., PP-H ...COMBI connectors	gray	**DF-SP-H 2,5**	3209824	50

COMBI connectors for self-assembly

– The Push-in COMBI connectors for self-assembly provide solutions that users can implement themselves
– Robust cable housings are available for strain relief on connecting cables
– The connector is assembled directly on site by snapping together single-position connector elements. See below for an example of how these go together

① PP 2,5/1-L
② PP 2,5/1-M and PP 2,5/1-M BU
③ PP 2,5/1-R GNYE

Notes:

[1]) For additional accessories and technical data, see page 290.

[2]) For derating curve, visit phoenixcontact.net/products

24 A, connector, connection in plug-in direction, for self-assembly

Technical data[1])

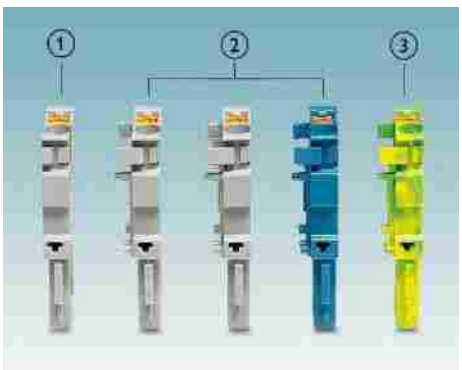
Dimensions				
	[mm]	Width	Length	Height	Height plugged
		5.2 x No. of pos.	**16**	**41.2**	**25.6**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[2])	**800**	**0.14 - 4**	**26-12**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	- / -

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs./Pkt.
COMBI connector, left element	1	gray	**PP 2,5/ 1-L**	①	3211271	50
	1	blue	**PP 2,5/ 1-L BU**	①	3211272	50
	1	green-yellow	**PP 2,5/ 1-L GNYE**	①	3211273	50
COMBI connector, center element	1	gray	**PP 2,5/ 1-M**	①	3211274	50
	1	blue	**PP 2,5/ 1-M BU**	①	3211275	50
	1	green-yellow	**PP 2,5/ 1-M GNYE**	①	3211276	50
COMBI connector, right element	1	gray	**PP 2,5/ 1-R**	①	3211277	50
	1	blue	**PP 2,5/ 1-R BU**	①	3211278	50
	1	green-yellow	**PP 2,5/ 1-R GNYE**	①	3211279	50

Accessories[1])

Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ**	3040614	50
Latching, for connectors, 1-pos.	orange	**PR**	3040559	50
2-pos.	orange	**PR/2**	3040630	50
Strain relief, for plugs, 2-pos.	black	**PZ/2**	3040627	50
Screw flange cover, for SP-H ... and PP 2,5..., PP-H ...COMBI connectors	gray	**DF-SP-H 2,5**	3209824	50



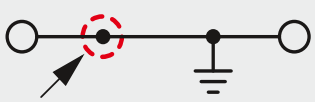
2.5 mm² COMBI UT plug-in connection solutions

General technical data

Rated data		IEC 61984			
Rated cross section	[mm²]	2.5			
Cross section range	AWG	26 - 12			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
2 conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
General data					
Stripping length	[mm]	9			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



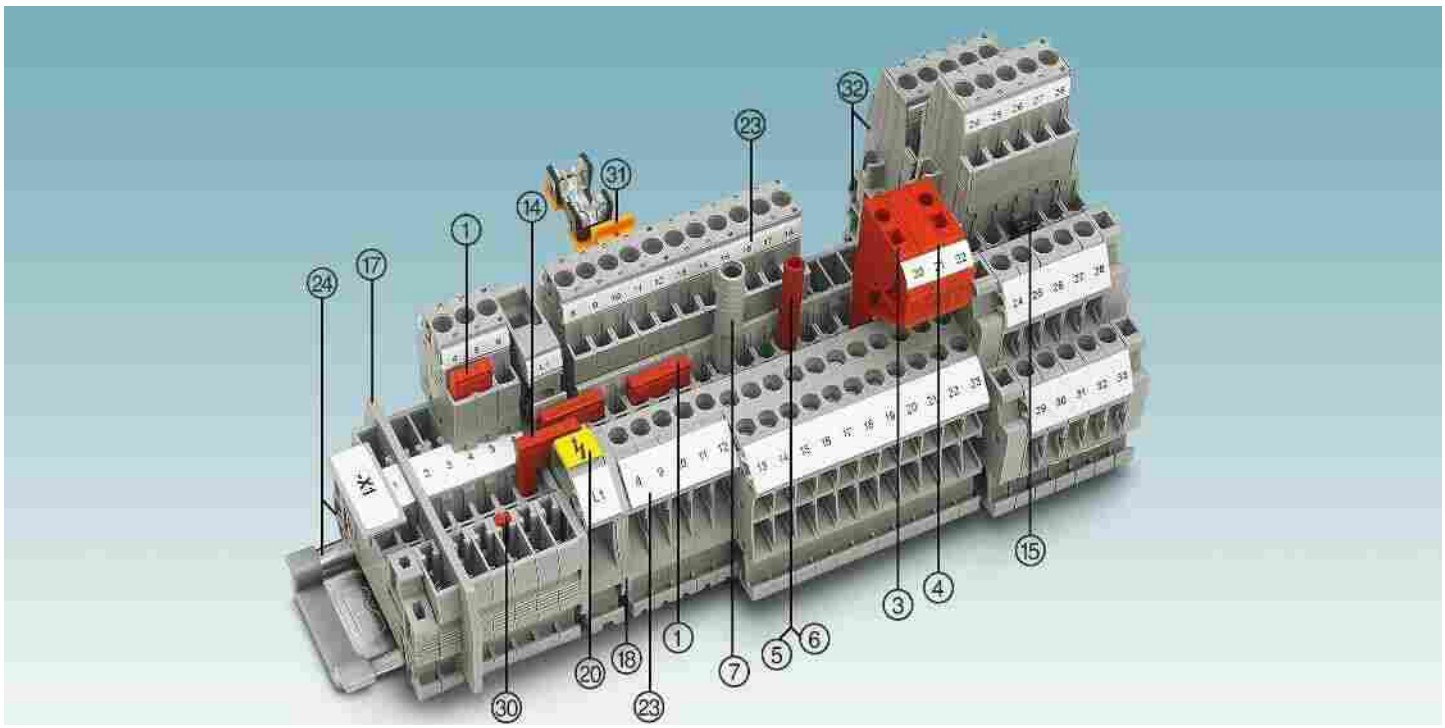
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-5**	3030161	50	**FBSR 2-5**	3033702	50
	3	red	**FBS 3-5**	3030174	50	**FBSR 3-5**	3001591	50
	4	red	**FBS 4-5**	3030187	50	**FBSR 4-5**	3001592	50
	5	red	**FBS 5-5**	3030190	50	**FBSR 5-5**	3001593	50
	10	red	**FBS 10-5**	3030213	10	**FBSR 10-5**	3033710	10
	20	red	**FBS 20-5**	3030226	10			
③ **Modular test plug**		red	**PS-5**	3030983	10			
Spacer plate		red	**DP PS-5**	3036725	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Coding profile		red	**PC**	3040588	50			
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	1212587	10			

Reducing bridge	**For RB ..., see page 408.**
Vertical potential bridge	**For FBS-PV ..., see page 404.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Lateral groove labeling	**Terminal block: UC-TM 5, UCT-TM 5 or ZB 5. Connector: UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
Latching, strain relief, shielding	**See from page 362.**
Screw flanges, screw flange cover	**See from page 372.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

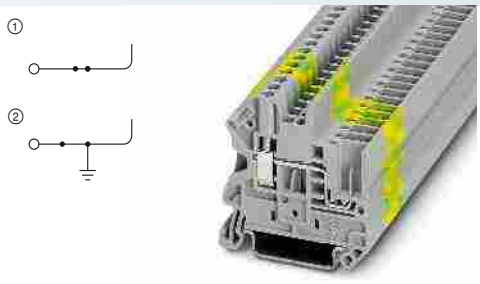
Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

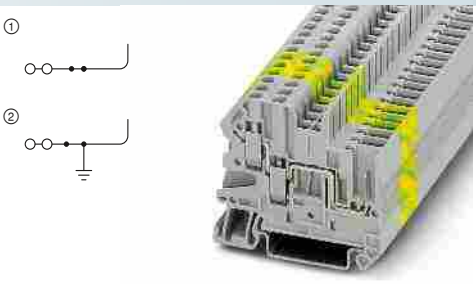
1) For additional accessories and technical data, see page 302.

2) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 372.



24 A, feed-through terminal block



24 A, feed-through terminal block, 3 connections

Technical data1)

Dimensions	Width	Length	Height	
[mm]	**5.2**	**49.1**	**47.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24²)	**500**	**0.14 - 4**	**26-12**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	300	300	-
Nominal current / cross section [A] / [mm²]	24²) / 2.5	20 / -	20 / -	- / -
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
2 conductors (of the same type) [mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1.5

Technical data1)

Dimensions	Width	Length	Height	
[mm]	**5.2**	**55.7**	**47.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24²)	**500**	**0.14 - 4**	**26-12**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	300	-	-
Nominal current / cross section [A] / [mm²]	24²) / 2.5	20 / -	- / -	- / -
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
2 conductors (of the same type) [mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1	-
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UT 2,5/1P**	①	3045017	50
	blue	**UT 2,5/1P BU**	①	3045020	50
Ground terminal	green-yellow	**UT 2,5/1P-PE**	②	3045033	50

Accessories1)

Cover, width: 2.2 mm	gray	**D-UT 2,5/1P**	3047154	50

Ordering data

Type		Order No.	Pcs./Pkt.
UT 2,5-TWIN/1P	①	3060490	50
UT 2,5-TWIN/1P BU	①	3060500	50
UT 2,5-TWIN/1P-PE	②	3060513	50

Accessories1)

D-UT 4-TWIN/ 1P	3045237	50

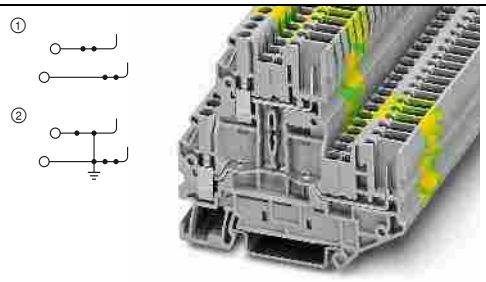
Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

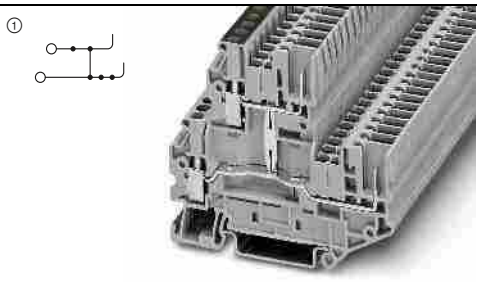
1) For additional accessories and technical data, see page 302.

2) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 372.



24 A, feed-through terminal block



24 A, double-level terminal block with equipotential bonder

Technical data1)

Dimensions	Width	Length	Height	
[mm]	**5.2**	**69.9**	**65 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24²)	**500**	**0.14 - 4**	**26-12**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	-	-
Nominal current / cross section [A] / [mm²]	24²) / 2.5	20 / -	- / -	- / -

Technical data1)

Dimensions	Width	Length	Height	
[mm]	**5.2**	**69.9**	**65 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24²)	**500**	**0.14 - 4**	**26-12**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	-	-
Nominal current / cross section [A] / [mm²]	24²) / 2.5	20 / -	- / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**UTTB 2,5/2P**	①	3060351	50
	blue	**UTTB 2,5/2P BU**	①	3060364	50
	gray				
	blue				
Ground terminal	green-yellow	**UTTB 2,5/2P-PE**	②	3060380	50

Accessories1)

Cover, width: 2.2 mm	gray	**D-UTTB 2,5/4 2P**	3060393	50

Ordering data

Type		Order No.	Pcs./Pkt.
UTTB 2,5/2P-PV	①	3060377	50
UTTB 2,5/2P-PV BU	①	3060487	50

Accessories1)

D-UTTB 2,5/4 2P	3060393	50

2.5 mm² COMBI UT plug-in connection solutions

Feed-through, multi-conductor, multi-level, and ground terminal blocks

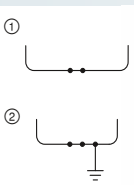
Notes:

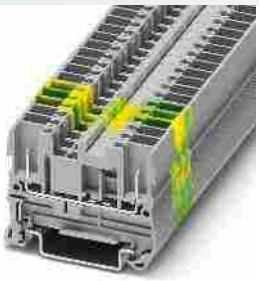
[1]) For additional accessories and technical data, see page 302.

[2]) For derating curve, visit phoenixcontact.net/products

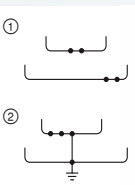
For screw flange, see page 372.

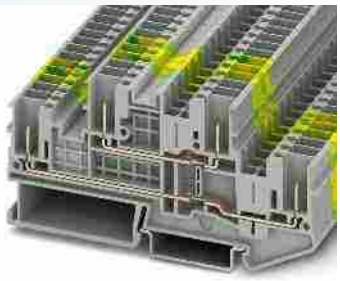
For self-locking flange, see page 371.





24 A, feed-through terminal block





22 A, double-level terminal block

Technical data[1])								
Dimensions	Width	Length	Height		Width	Length	Height	
[mm]	**5.2**	**49.1**	**36.5 (NS 35/7,5)**		**5.2**	**98.8**	**47.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24[2])	**500**	**0.08 - 4**	**-**	**22[2])**	**500**	**0.08 - 4**	**-**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)				24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	300	-	500	600	600	-
Nominal current / cross section [A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	- / -	22[2]) / 2.5	20 / -	20 / -	- / -
Cross section range AWG	28 - 12	-	-	-	28 - 12	-	-	-
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5	-	-	-	0.5

Ordering data					Ordering data			
Description	Color	**Type**		**Order No.**	Pcs./Pkt.	**Type**		**Order No.**	Pcs./Pkt.
Terminal block	gray	**ST 2,5/2P**	①	3042133	50	**STTB 2,5/4P**	①	3061486	50
	blue	**ST 2,5/2P BU**	①	3042094	50	**STTB 2,5/4P BU**	①	3061512	50
Ground terminal	green-yellow	**ST 2,5/2P-PE**	②	3042146	50	**STTB 2,5/4P-PE**	②	3061499	50

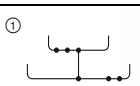
Accessories[1])				Accessories[1])			
Cover, width: 2.2 mm	gray	**D-ST 2,5**	3030417	50	**D-STTB 2,5/4P**	3061538	50

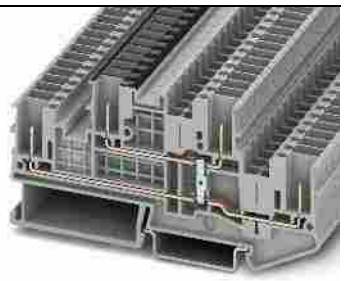
Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 302.

[2]) For derating curve, visit phoenixcontact.net/products





22 A, double-level terminal block with equipotential bonding

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**5.2**	**98.8**	**47.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	22[2])	**500**	**0.08 - 4**	**-**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	22[2]) / 2.5	20 / -	20 / -	- / -
Cross section range AWG	28 - 12	-	-	-
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5

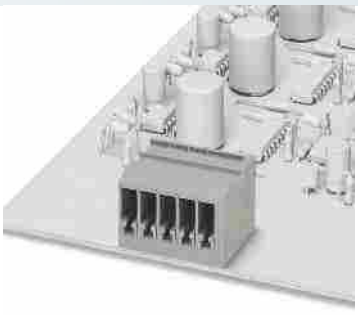
Ordering data				
Description	Color	**Type**	**Order No.**	Pcs./Pkt.
Terminal block	gray	**STTB 2,5/4P-PV** ①	3061509	50

Accessories[1])			
Cover, width: 2.2 mm	gray	**D-STTB 2,5/4P**	3061538	50

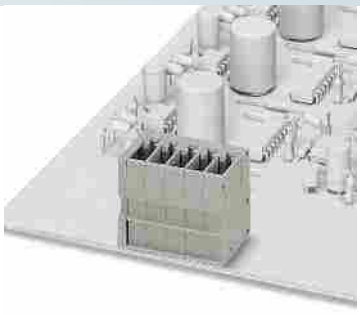
COMBI headers for PCB connection

Notes:

For additional accessories and technical data, see page 364 or visit phoenixcontact.net/products



24 A, header, horizontal plug-in direction



24 A, header, vertical plug-in direction

Technical data

Dimensions					
	[mm]	Width	Length	Height	
		10.4	**21.7**	**18.1**	
Maximum electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG (UL)
		24		**-**	**-**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
General data					
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Technical data

Dimensions					
	[mm]	Width	Length	Height	
		12.5	**18.05**	**21.7**	
Maximum electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG (UL)
		24		**-**	**-**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
General data					
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs./Pkt.
COMBI header						
	2	10.4 mm	gray	**ST 2,5-PCB/ 2-G-5,2**	1980378	50
	3	15.6 mm	gray	**ST 2,5-PCB/ 3-G-5,2**	1980381	50
	4	20.8 mm	gray	**ST 2,5-PCB/ 4-G-5,2**	1980394	50
	5	26 mm	gray	**ST 2,5-PCB/ 5-G-5,2**	1980404	50
	6	31.2 mm	gray	**ST 2,5-PCB/ 6-G-5,2**	1980417	50
	7	36.4 mm	gray	**ST 2,5-PCB/ 7-G-5,2**	1980420	50
	8	41.6 mm	gray	**ST 2,5-PCB/ 8-G-5,2**	1980433	50
	9	46.8 mm	gray	**ST 2,5-PCB/ 9-G-5,2**	1980446	50
	10	52 mm	gray	**ST 2,5-PCB/10-G-5,2**	1980459	50
	11	57.2 mm	gray	**ST 2,5-PCB/11-G-5,2**	1980462	50
	12	62.4 mm	gray	**ST 2,5-PCB/12-G-5,2**	1980475	50

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs./Pkt.
COMBI header						
	2	12.5 mm	gray	**ST 2,5-PCBV/ 2-G-5,2**	1980488	50
	3	17.7 mm	gray	**ST 2,5-PCBV/ 3-G-5,2**	1980491	50
	4	22.9 mm	gray	**ST 2,5-PCBV/ 4-G-5,2**	1980501	50
	5	28.1 mm	gray	**ST 2,5-PCBV/ 5-G-5,2**	1980514	50
	6	33.3 mm	gray	**ST 2,5-PCBV/ 6-G-5,2**	1980527	50
	7	38.5 mm	gray	**ST 2,5-PCBV/ 7-G-5,2**	1980530	50
	8	43.7 mm	gray	**ST 2,5-PCBV/ 8-G-5,2**	1980543	50
	9	48.9 mm	gray	**ST 2,5-PCBV/ 9-G-5,2**	1980556	50
	10	54.1 mm	gray	**ST 2,5-PCBV/10-G-5,2**	1980569	50
	11	59.3 mm	gray	**ST 2,5-PCBV/11-G-5,2**	1980572	50
	12	64.5 mm	gray	**ST 2,5-PCBV/12-G-5,2**	1980585	50

2.5 mm² COMBI UT plug-in connection solutions

COMBI connectors

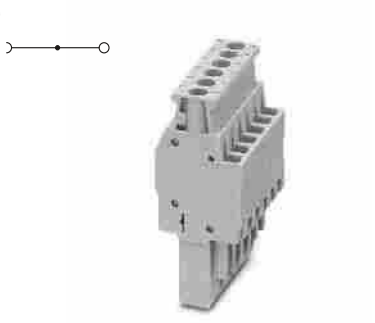
- When it comes to the connectors, as is the case with the basic terminal blocks, the right connection technology is available for every application
- Comprehensive, optional snap-on accessories available
- Practical coding facility
- Large-surface marking options
- The screw connectors can be combined with COMBI terminal blocks with all forms of connection technology and are available in two versions

UPBV ... connectors

- Bridgeable with the standard bridges FBS ...
- Side conductor connection
- Screw actuation from above
- The connected conductors can be passed directly into the cable duct to save space

Notes:

[1]) For additional accessories and technical data, see page 302.



24 A, connector, connection at a right angle to the plug-in direction

EAC

Technical data[1])

Dimensions			
Width	Length	Height	Height plugged
5.2 x No. of pos.	**20.5**	**47**	**32.2**
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**500**	**0.14 - 4**	**26-12**
Maximum bridge current	24 (FBS) / 17.5 (FBSR)		
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage	500	600	-	-
Nominal current / cross section	24 / 2.5	20 / -	- / -	- / -
Connection capacity			
Rigid	Flexible	Ferrule without/with plastic sleeve	
2 flexible conductors with a TWIN ferrule	-	-	-	0.5 - 1

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs./Pkt.
Connector	1	5.2 mm	gray	**UPBV 2,5/ 1**	①	3045145	50
	2	10.4 mm	gray	**UPBV 2,5/ 2**	①	3045402	50
	3	15.6 mm	gray	**UPBV 2,5/ 3**	①	3045415	50
	4	20.8 mm	gray	**UPBV 2,5/ 4**	①	3045428	50
	5	26 mm	gray	**UPBV 2,5/ 5**	①	3045431	50
	6	31.2 mm	gray	**UPBV 2,5/ 6**	①	3045444	25
	7	36.4 mm	gray	**UPBV 2,5/ 7**	①	3045457	25
	8	41.6 mm	gray	**UPBV 2,5/ 8**	①	3045460	25
	9	46.8 mm	gray	**UPBV 2,5/ 9**	①	3045473	25
	10	52 mm	gray	**UPBV 2,5/10**	①	3045499	25
	11	57.2 mm	gray	**UPBV 2,5/11**	①	3045509	10
	12	62.4 mm	gray	**UPBV 2,5/12**	①	3045512	10
	13	67.6 mm	gray	**UPBV 2,5/13**	①	3045525	10
	14	72.8 mm	gray	**UPBV 2,5/14**	①	3045538	10
	15	78 mm	gray	**UPBV 2,5/15**	①	3045541	10
	1	5.2 mm	blue	**UPBV 2,5/ 1 BU**	①	3045240	50
	1	5.2 mm	green-yellow	**UPBV 2,5/ 1 GNYE**	①	3045253	50

Accessories[1])

Strain relief, for UPBV... plugs, 2-pos.	black	**UPZ/ 2**	3045554	50
Latching, for UPBV plugs, 2-pos.	orange	**UPR/ 2**	3045567	50
Latching and strain relief systems, for UPBV.... plugs, 2-pos.	orange	**UPRZ**	3045570	50
Screw flange cover, for UPBV 2,5 and UPBV 4 COMBI plugs	gray	**DF-UPBV 2,5/ 4**	3060432	50

COMBI connectors for self-assembly

Notes:
1) For additional accessories and technical data, see page 302.
2) For derating curve, visit phoenixcontact.net/products

24 A, connector, connection at a right angle to the plug-in direction

Technical data[1]

Dimensions				
	Width	Length	Height	Height plugged
[mm]	**5.2 x No. of pos.**	**20.5**	**47**	**32.2**
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24[2])	**500**	**0.14 - 4**	**26-12**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	-	-
Nominal current / cross section [A] / [mm²]	24[2]) / 2.5	20 / -	- / -	- / -
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.
Connector, left element	1	gray	**UPBV 2,5/ 1-L** ①	3045318	50
	1	blue	**UPBV 2,5/ 1-L BU** ①	3045321	50
	1	green-yellow	**UPBV 2,5/ 1-L GNYE** ①	3045334	50
Connector, center element	1	gray	**UPBV 2,5/ 1-M** ①	3045347	50
	1	blue	**UPBV 2,5/ 1-M BU** ①	3045350	50
	1	green-yellow	**UPBV 2,5/ 1-M GNYE** ①	3045363	50
Connector, right element	1	gray	**UPBV 2,5/ 1-R** ①	3045376	50
	1	blue	**UPBV 2,5/ 1-R BU** ①	3045389	50
	1	green-yellow	**UPBV 2,5/ 1-R GNYE** ①	3045392	50

Accessories[1]

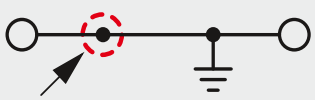
Strain relief, for UPBV... plugs, 2-pos.	black	**UPZ/ 2**	3045554	50
Latching, for UPBV plugs, 2-pos.	orange	**UPR/ 2**	3045567	50
Latching and strain relief systems, for UPBV.... plugs, 2-pos.	orange	**UPRZ**	3045570	50
Screw flange cover, for UPBV 2,5 and UPBV 4 COMBI plugs	gray	**DF-UPBV 2,5/ 4**	3060432	50

2.5 mm² COMBI ST plug-in connection solutions

General technical data

Rated data		IEC 61984			
Rated cross section	[mm²]	2.5			
Cross section range	AWG	28 - 12			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 2.5	0.14 - 2.5	0.14 - 2.5
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			
Note: Additional or deviating data is listed alongside the respective product.					

Notes:



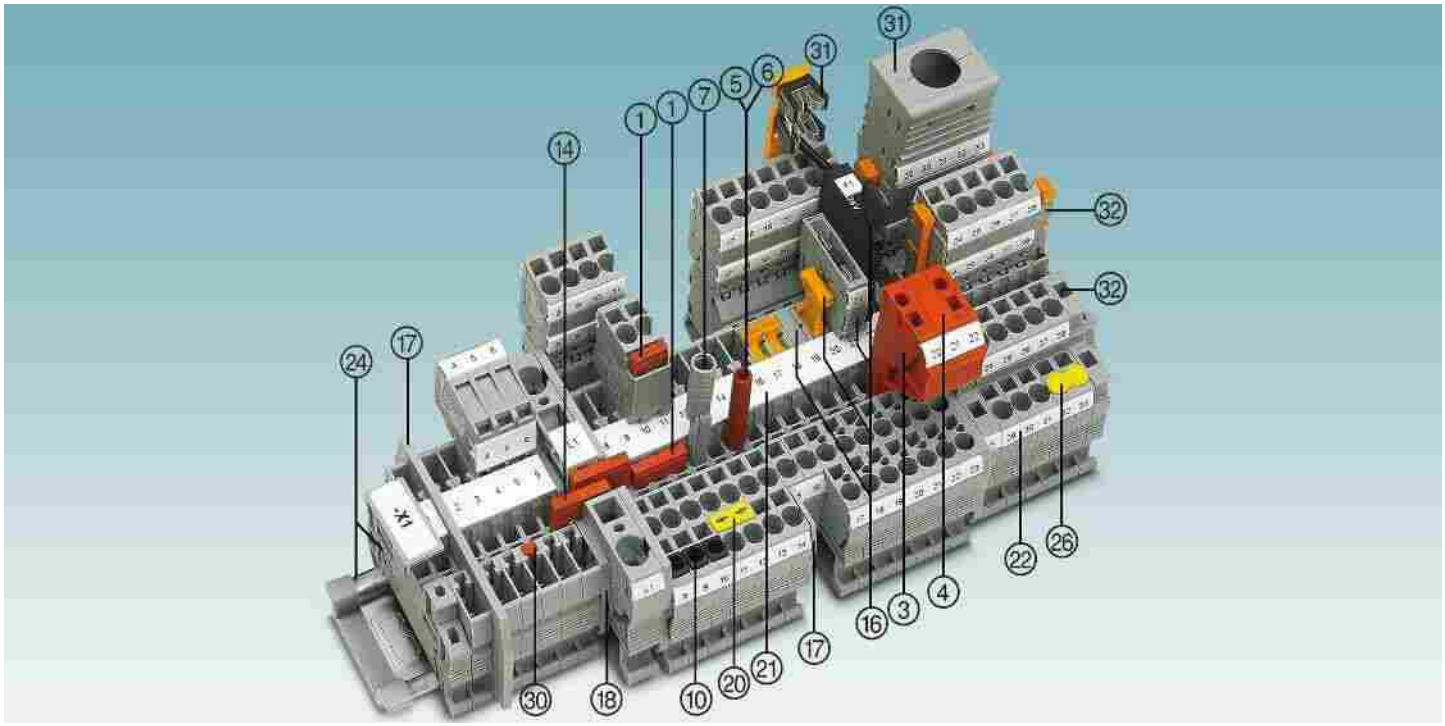
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-5**	3030161	50	**FBSR 2-5**	3033702	50
	3	red	**FBS 3-5**	3030174	50	**FBSR 3-5**	3001591	50
	4	red	**FBS 4-5**	3030187	50	**FBSR 4-5**	3001592	50
	5	red	**FBS 5-5**	3030190	50	**FBSR 5-5**	3001593	50
	10	red	**FBS 10-5**	3030213	10	**FBSR 10-5**	3033710	10
	20	red	**FBS 20-5**	3030226	10			
③ **Modular test plug**		red	**PS-5**	3030983	10			
Spacer plate		red	**DP PS-5**	3036725	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Insulating sleeve		white	**ISH 2,5/0,2**	3002843	50			
0.25 - 0.5 mm²		gray	**ISH 2,5/0,5**	3002856	50			
0.75 - 1 mm²		black	**ISH 2,5/1,0**	3002869	50			
Screwdriver			**SZF 1-0,6X3,5**	1204517	10			

Reducing bridge	**For RB ..., see page 408.**
Fuse and function plugs for disconnect terminal blocks	**For P-FU ... / P-DI / P-FIX / P-CO ..., see from page 414.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Center groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
Cover for conductor shaft	**For CEC ..., see page 421.**
Latching, strain relief, shielding	**See from page 362.**
Screw flanges, screw flange cover	**See from page 372.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through, multi-conductor, multi-level, and ground terminal blocks

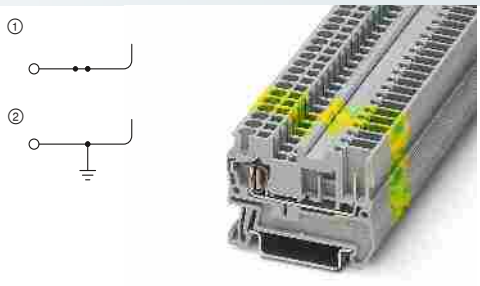
Notes:

[1]) For additional accessories and technical data, see page 308.

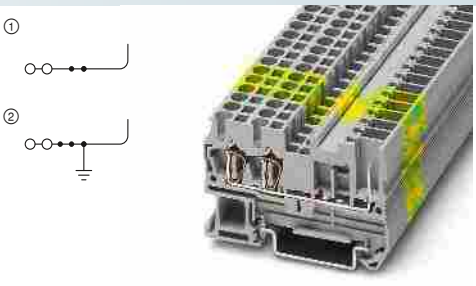
[2]) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 372.

For self-locking flange, see page 371.



24 A, feed-through terminal block



24 A, feed-through terminal block, 3 connections

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	48.5	36.5 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[2])	500	0.08 - 4	28-12
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	300	-
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	- / -

Technical data[1])

		Width	Length	Height
		5.2	60.5	36.5 (NS 35/7,5)
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[2])	500	0.08 - 4	28-12
		24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		500	600	600	-
		24[2]) / 2.5	20 / -	20 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**ST 2,5/ 1P**	①	3040012	50
	blue	**ST 2,5/ 1P BU**	①	3040656	50
Ground terminal	green-yellow	**ST 2,5/ 1P-PE**	②	3040025	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-ST 2,5**	3030417	50

Ordering data

Type		Order No.	Pcs./Pkt.
ST 2,5-TWIN/ 1P	①	3042117	50
ST 2,5-TWIN/ 1P BU	①	3042104	50
ST 2,5-TWIN/ 1P-PE	②	3042120	50

Accessories[1])

D-ST 2,5-TWIN	3030488	50

Feed-through, multi-conductor, multi-level, and ground terminal blocks

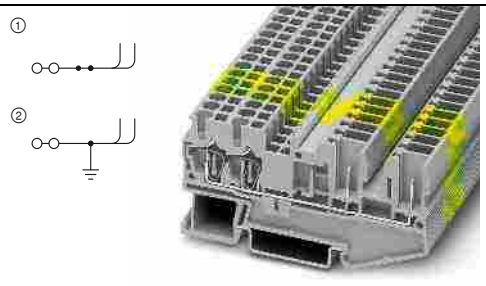
Notes:

[1]) For additional accessories and technical data, see page 308.

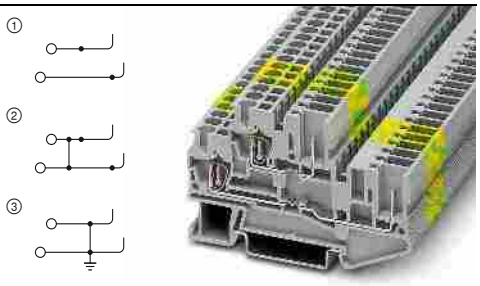
[2]) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 372.

For self-locking flange, see page 371.



24 A, feed-through terminal block, 4 connections



22 A, feed-through terminal block

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	81	36.5 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[2])	500	0.08 - 4	28-12
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	- / -

Technical data[1])

		Width	Length	Height
		5.2	71.5	47.5 (NS 35/7,5)
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		22[2])	500	0.08 - 4	28-12
		24 (FBS) / 17.5 (FBSR)			
		IEC	UL / CUL	CSA	Ex
		500	600	600	-
		22[2]) / 2.5	20 / -	20 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**ST 2,5-QUATTRO/2P**	①	3040038	50
	blue	**ST 2,5-QUATTRO/2P BU**	①	3040669	50
With potential distribution	gray				
	blue				
Ground terminal	green-yellow	**ST 2,5-QUATTRO/2P-PE**	②	3040041	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-ST 2,5-QUATTRO/2P**	3040083	50

Ordering data

Type		Order No.	Pcs./Pkt.
STTB 2,5/2P	①	3040054	50
STTB 2,5/2P BU	①	3040672	50
STTB 2,5/2P-PV	②	3040070	50
STTB 2,5/2P-PV BU	②	3040685	50
STTB 2,5/2P-PE	③	3040067	50

Accessories[1])

D-STTB 2,5/2P	3040096	50

2.5 mm² COMBI ST plug-in connection solutions

Multi-level terminal blocks

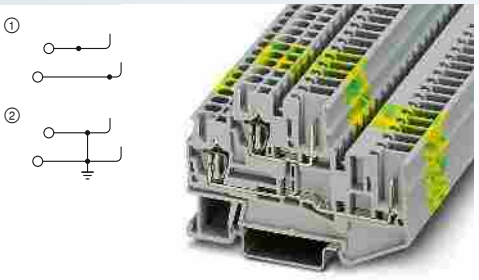
Notes:

[1]) For additional accessories and technical data, see page 308.

[2]) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 372.

For self-locking flange, see page 371.



22 A, feed-through terminal block

22 A, feed-through terminal block, with equipotential bonding

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
5.2	**71.5**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
22[2])	**500**	**0.08 - 4**	**28-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
22[2]) / 2.5	20 / -	20 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, with marking groove on the plug-in side	gray	**STTB 2,5/2P SO**	①	3040892	50
	blue	**STTB 2,5/2P BU SO**	①	3040902	50
	gray				
Ground terminal, with marking groove on the plug-in side	green/yellow	**STTB 2,5/2P-PE SO**	②	3040915	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-STTB 2,5/2P**	3040096	50

Technical data[1])

Width	Length	Height	
5.2	**71.5**	**47.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
22[2])	**500**	**0.08 - 4**	**28-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	-	-
22[2]) / 2.5	20 / -	- / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
STTB 2,5/2P-PV SO	①	3040928	50

Accessories[1])

D-STTB 2,5/2P	3040096	50

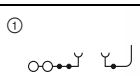
Disconnect and knife disconnect terminal blocks

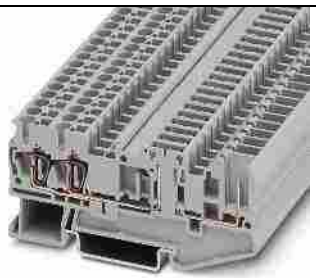
Notes:

[1]) For additional accessories and technical data, see page 308.

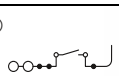
[2]) Current and voltage are determined by the plug used.

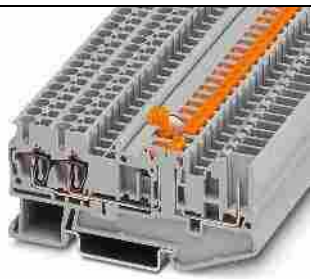
[3]) For derating curve, visit phoenixcontact.net/products





20 A, disconnect terminal block, 3 connections





20 A, knife disconnect terminal block, 3 connections

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
5.2	**81**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20[3])	**400[2])**	**0.08 - 4**	**28-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400[2])	600	300	-
20[3]) / 2.5	20 / -	20 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Disconnect terminal block	gray	**ST 2,5-TWIN-TG/1P**	①	3040847	50
Knife disconnect terminal block	gray				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-ST 2,5-QUATTRO/2P**	3040083	50

Technical data[1])

Width	Length	Height	
5.2	**81**	**36.5 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20[3])	**400**	**0.08 - 4**	**28-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
400	600	300	-
20[3]) / 2.5	20 / -	20 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
ST 2,5-TWIN-MT/1P	①	3040766	50

Accessories[1])

D-ST 2,5-QUATTRO/2P	3040083	50

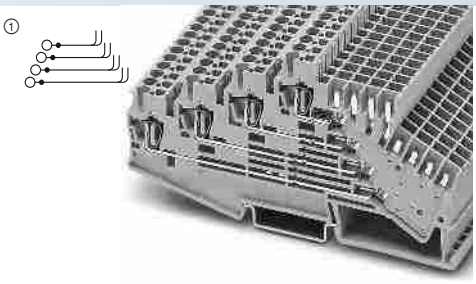
Four-level terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 308.

[2]) For derating curve, visit phoenixcontact.net/products

10 A, four-level terminal block



10 A, four-level terminal block, two slots

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
5.2	**101**	**59 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
10[2])	**250**	**0.08 - 4**	**28-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
250	300	300	-
10[2]) / 1.5	10 / -	10 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**ST 2,5-4L/1P**	①	3041985	50
	gray	**ST 2,5-PE/3L/1P**	②	3041969	50
with securing pin	gray				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-ST 2,5-4L/1P**	3041930	50

Technical data[1])

Width	Length	Height	
5.2	**120.5**	**59 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
10[2])	**250**	**0.08 - 4**	**28-12**
24 (FBS) / 17.5 (FBSR)			
IEC	UL / CUL	CSA	Ex
250	300	300	-
10[2]) / 1.5	10 / -	10 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
ST 2,5-4L/2P	①	3042007	50
ST 2,5-4L/2P-Z	①	3041998	50

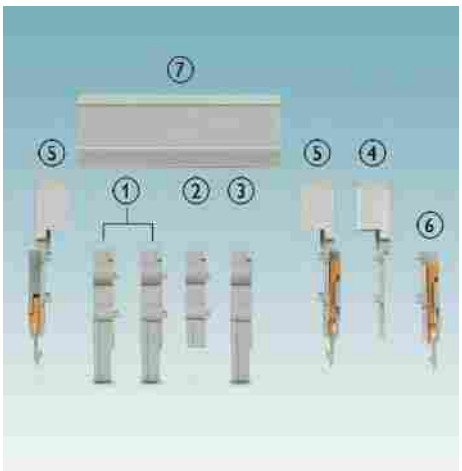
Accessories[1])

D-ST 2,5-4L/2P	3041927	50

Connector housings for four-level terminal blocks

Notes:

In order to crimp STG-MTN... modular socket contacts, the CRIMPFOX MT 2,5 (Order No. 1204038) must be used.



① 4-pos. connector with CP−H 2,5-4L-Z engagement pin
② DP-CP-H 2,5-4L spacer plate
③ CP-H 2,5-4L 4-pos. connector
D-CP-H 2,5-4L cover profile carrier
DFS-CP-H 2,5-4L cover profile carrier with self-locking flange cover
DFS-CP 2,5-4L self-locking flange cover
AP-CP-H cover profile

Connector housing, for accommodating four socket contacts

Description	Color
Plug housing, for accommodating 4 socket contacts	gray
	gray
Plug housing with engagement pin	gray
	gray
Self-locking flange, can be labeled with UC-TM	gray
Spacer plate	gray
Cover profile, 1 m, can be labeled with UC-TM ...	gray
Cover profile carrier	gray
Cover profile carrier, with self-locking flange cover	gray
Self-locking flange cover	gray
Module socket contact, 0.5 - 1 mm²	silver
for wires from 1.5 ... 2.5 mm²	silver

Ordering data

Type	Order No.	Pcs./Pkt.
CP-H 2,5-4L	3012313	50
CP-H 2,5-4L-PE	3012323	50
CP-H 2,5-4L-Z	3012314	50
CP-H 2,5-4L-Z-PE	3012324	50

Accessories

PT 2,5-4L/1P-FS	3012302	10
DP-CP-H 2,5-4L	3012319	50
AP-CP-H METER	3012315	10
D-CP-H 2,5-4L	3012320	50
DFS-CP-H 2,5-4L	3012317	50
DFS-CP 2,5-4L	3012321	50
STG-MTN 0,5-1,0	3190438	100
STG-MTN 1,5-2,5	3190506	100

Feed-through, multi-conductor, multi-level, and ground terminal blocks

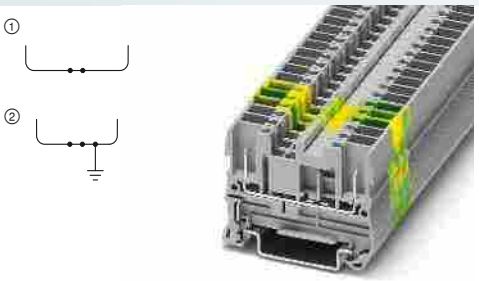
Notes:

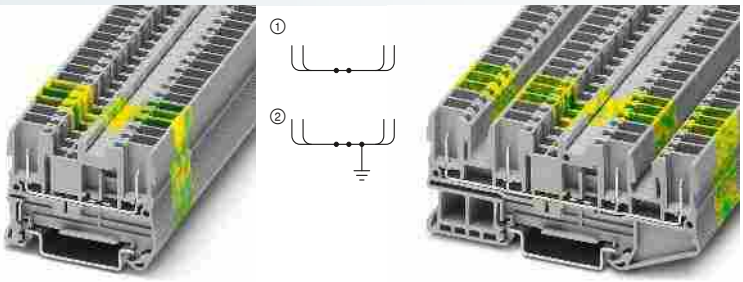
[1]) For additional accessories and technical data, see page 308.

[2]) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 372.

For self-locking flange, see page 371.





24 A, feed-through terminal block

24 A, feed-through terminal block, 4 connections

Technical data[1])							
Dimensions	Width	Length	Height		Width	Length	Height	
[mm]	**5.2**	**49.1**	**36.5 (NS 35/7,5)**		**5.2**	**89.5**	**36.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24[2])	**500**	**0.08 - 4**	**-**	**24[2])**	**500**	**0.08 - 4**	**-**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)				24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	300	-	500	600	600	-
Nominal current / cross section [A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	- / -	24[2]) / 2.5	20 / -	20 / -	- / -

Ordering data							
Description	Color	**Type**		**Order No.**	Pcs./Pkt.	**Type**		**Order No.**	Pcs./Pkt.
Terminal block	gray	**ST 2,5/2P**	①	3042133	50	**ST 2,5-QUATTRO/4P**	①	3042159	50
	blue	**ST 2,5/2P BU**	①	3042094	50	**ST 2,5-QUATTRO/4P BU**	①	3042081	50
Ground terminal	green-yellow	**ST 2,5/2P-PE**	②	3042146	50	**ST 2,5-QUATTRO/4P-PE**	②	3042162	50

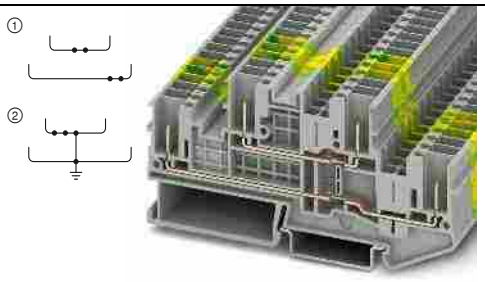
Accessories[1])					
Cover, width: 2.2 mm	gray	**D-ST 2,5**		3030417	50
		D-ST 2,5-QUATTRO/4P		3042175	50

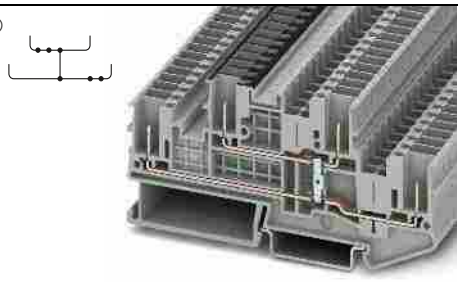
Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 308.

[2]) For derating curve, visit phoenixcontact.net/products





22 A, double-level terminal block

22 A, double-level terminal block with equipotential bonding

Technical data[1])							
Dimensions	Width	Length	Height		Width	Length	Height	
[mm]	**5.2**	**98.8**	**47.5 (NS 35/7,5)**		**5.2**	**98.8**	**47.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	22[2])	**500**	**0.08 - 4**	**-**	**22[2])**	**500**	**0.08 - 4**	**-**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)				24 (FBS) / 17.5 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-	500	600	600	-
Nominal current / cross section [A] / [mm²]	22[2]) / 2.5	20 / -	20 / -	- / -	22[2]) / 2.5	20 / -	20 / -	- / -

Ordering data							
Description	Color	**Type**		**Order No.**	Pcs./Pkt.	**Type**		**Order No.**	Pcs./Pkt.
Terminal block	gray	**STTB 2,5/4P**	①	3061486	50				
	blue	**STTB 2,5/4P BU**	①	3061512	50				
	gray					**STTB 2,5/4P-PV**	①	3061509	50
Ground terminal	green-yellow	**STTB 2,5/4P-PE**	②	3061499	50				

Accessories[1])					
Cover, width: 2.2 mm	gray	**D-STTB 2,5/4P**		3061538	50
		D-STTB 2,5/4P		3061538	50

Couplings

– For secure and space-saving accommodation of plug contacts in cable ducts and distributor shafts
– Test hole in every receptacle disc, to accommodate a test plug with a 2.3 mm diameter

Notes:

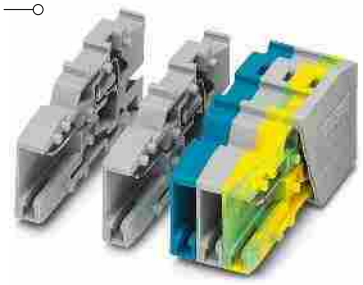
[1]) For additional accessories and technical data, see page 308.

[2]) For derating curve, visit phoenixcontact.net/products

① —○

24 A, coupling

① —○



24 A, coupling, for self-assembly

EAC

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**5.2 x No. of pos.**	**37.2**	**18.8**	
Maximum electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24	**500**	**0.08 - 4**	**28-12**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	300	-	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	- / -	- / -

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs./Pkt.
COMBI coupling	2	gray	**SC 2,5/ 2**	①	3041312	50
	3	gray	**SC 2,5/ 3**	①	3042269	50
	4	gray	**SC 2,5/ 4**	①	3042272	50
	5	gray	**SC 2,5/ 5**	①	3042285	50
	6	gray	**SC 2,5/ 6**	①	3042298	25
	7	gray	**SC 2,5/ 7**	①	3041367	25
	8	gray	**SC 2,5/ 8**	①	3042308	25
	9	gray	**SC 2,5/ 9**	①	3041383	25
	10	gray	**SC 2,5/10**	①	3042311	25
	11	gray	**SC 2,5/11**	①	3041406	10
	12	gray	**SC 2,5/12**	①	3042324	10
	13	gray	**SC 2,5/13**	①	3041422	10
	14	gray	**SC 2,5/14**	①	3041435	10
	15	gray	**SC 2,5/15**	①	3041448	10
COMBI coupling, for self-assembly	1	gray				
	1	blue				
	1	green-yellow				

Accessories[1])

Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Cover, width: 2.2 mm	gray			
Strain relief, for SPDB... plug and SC 2,5... receptacle, 2-pos.	black	**PDZ/2**	3040562	50
4-pos.	black	**PDZ/4**	3040575	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	3040588	50

EAC

Technical data[1])

Width	Length	Height	
5.2 x No. of pos.	**37.2**	**21.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.08 - 4**	**28-12**
IEC	UL / CUL	CSA	Ex
500	300	-	-
24[2]) / 2.5	20 / -	- / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
SC 2,5/ 1-L	①	3042188	50
SC 2,5/ 1-L BU	①	3042191	50
SC 2,5/ 1-L GNYE	①	3042201	50

Accessories[1])

MPS-MT	0201744	10
MPS-IH RD	0201676	10
D-SC 2,5	3042243	50
PDZ/2	3040562	50
PDZ/4	3040575	50
PC	3040588	50

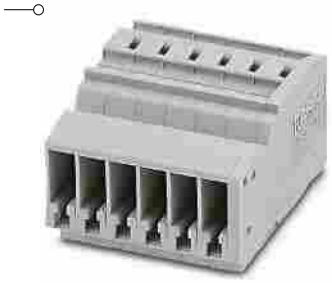
Couplings

Notes:

[1]) For additional accessories and technical data, see page 308.

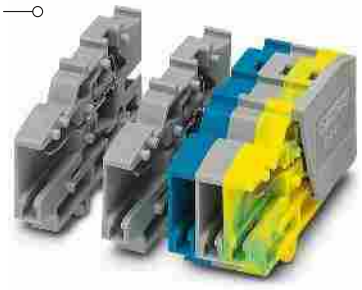
[2]) For derating curve, visit phoenixcontact.net/products

① —○



24 A, coupling with securing pin

① —○



24 A, coupling with securing pin, for self-assembly

EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2 x No. of pos.	**37.2**	**21.8**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	**500**	**0.08 - 4** / **28-12**
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	- / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	- / - / - / -

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs./Pkt.
COMBI coupling, with securing pin	2	gray	**SC 2,5-RZ/ 2**	①	3041516	50
	3	gray	**SC 2,5-RZ/ 3**	①	3041529	50
	4	gray	**SC 2,5-RZ/ 4**	①	3041532	50
	5	gray	**SC 2,5-RZ/ 5**	①	3041545	50
	6	gray	**SC 2,5-RZ/ 6**	①	3041558	25
	7	gray	**SC 2,5-RZ/ 7**	①	3041561	25
	8	gray	**SC 2,5-RZ/ 8**	①	3041574	25
	9	gray	**SC 2,5-RZ/ 9**	①	3041590	25
	10	gray	**SC 2,5-RZ/10**	①	3041587	25
	11	gray	**SC 2,5-RZ/11**	①	3041600	10
	12	gray	**SC 2,5-RZ/12**	①	3041613	10
	13	gray	**SC 2,5-RZ/13**	①	3041626	10
	14	gray	**SC 2,5-RZ/14**	①	3041639	10
	15	gray	**SC 2,5-RZ/15**	①	3041642	10
COMBI coupling, with securing pin, for self-assembly	1	gray				
	1	blue				
	1	green-yellow				

Accessories[1])

Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Cover, width: 2.2 mm	gray			
Strain relief, for SPDB... plug and SC 2,5... receptacle, 2-pos.	black	**PDZ/2**	3040562	50
4-pos.	black	**PDZ/4**	3040575	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	3040588	50

EAC

Technical data[1])

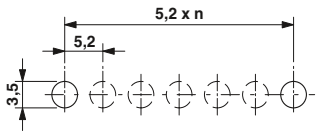
Width	Length	Height	
5.2 x No. of pos.	**37.2**	**21.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.08 - 4**	**28-12**
IEC	UL / CUL	CSA	Ex
500	300	-	-
24[2]) / 2.5	20 / -	- / -	- / -

Ordering data

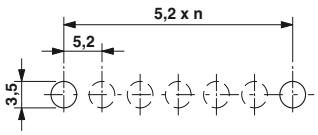
Type		Order No.	Pcs./Pkt.
SC 2,5-RZ/ 1-L	①	3042214	50
SC 2,5-RZ/ 1-L BU	①	3042227	50
SC 2,5-RZ/ 1-L GNYE	①	3042230	50

Accessories[1])

MPS-MT	0201744	10
MPS-IH RD	0201676	10
D-SC 2,5	3042243	50
PDZ/2	3040562	50
PDZ/4	3040575	50
PC	3040588	50

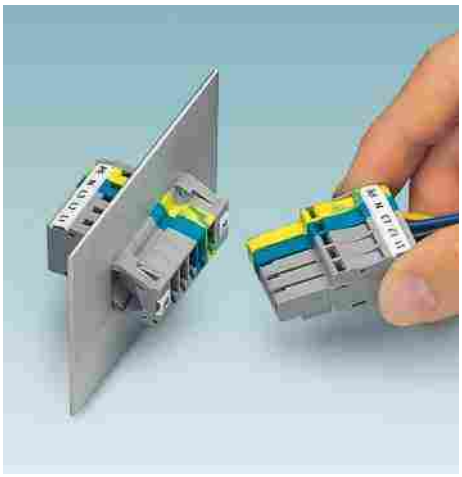


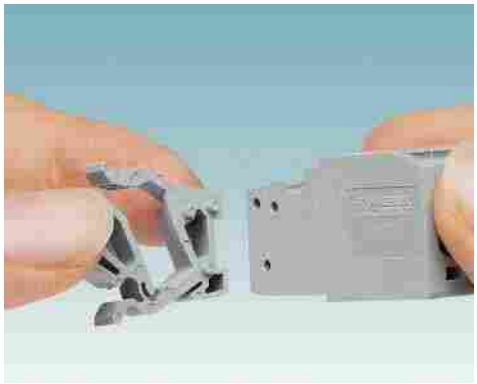
Drilling plan example: 1 x SC 2,5-RZ/ 6



Drilling plan example: 6 x SC 2,5-RZ/ 1-L

Panel feed-through for COMBI couplings





Snap receptacle onto panel feed-through SSL 2,5

Panel feed-through

- The panel feed-through can be used to securely fasten free-hanging receptacles SC 2,5 and SC 4 in panel cutouts
- The panel feed-through elements are snapped onto the free-hanging receptacles, and pushed into the panel cutout where they snap in automatically
- The receptacle is finally fixed in placed by pressing shut the panel feed-through's actuation lever
- Can be used for plate thicknesses of 0.8 mm to 3 mm

Making the panel cutout

- The panel cutout is easy to produce. The height of the rectangular cutout is always the same, and the length depends on the number of positions of the receptacle. There is no longer any need for additional bore holes for fixing screws as in previously common solutions

Technical data

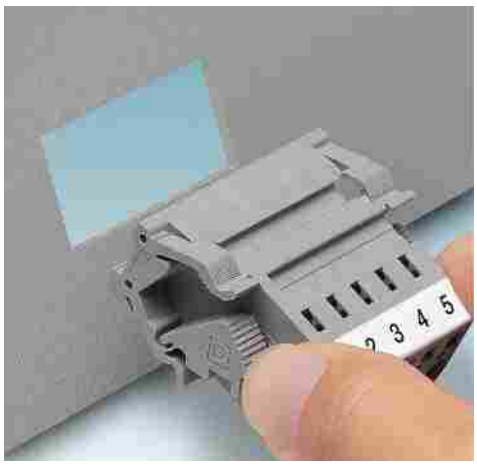
General data		
Plate thickness	[mm]	0.8 - 3
Section height	[mm]	16.6
Section width	[mm]	5.15 x number of positions + 13 (SC 2,5) 6.15 x number of positions + 14 (SC 4)
Insulating material		PA
Flammability rating in accordance with UL 94		V0

Ordering data

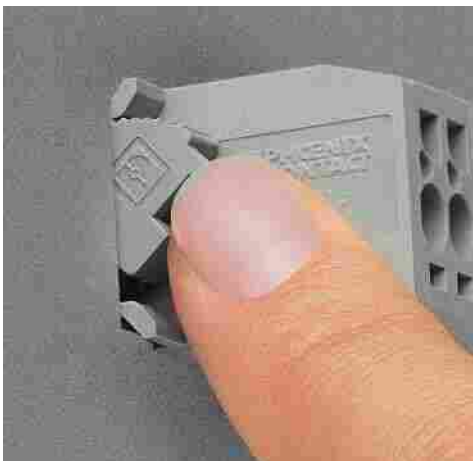
Description	Color	Type	Order No.	Pcs./Pkt.
Panel feed-through, for snapping on to receptacles, 1 SSL 2.5 consists of a left-hand and a right-hand element, for metal thicknesses of 0.8 - 3 mm	gray	**SSL 2,5**	3043815	50

Accessories

Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	3040588	50
Screwdriver		**SZF 1-0,6X3,5**	1204517	10
Lateral groove labeling		**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 3)**		



Fit the receptacle and SSL 2.5 in panel cutout



Fixing the receptacle

Couplings

– The terminal blocks are snapped onto the free-hanging receptacles SC... as modules and can be used on the NS 15 as well as on the NS 35 DIN rail

Notes:

[1]) For additional accessories and technical data, see page 308.

[2]) For derating curve, visit phoenixcontact.net/products

① —○

24 A, coupling for DIN rail mounting

EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		5.2	**43.5**	**34 (NS 35/7,5) / 34 (NS 15)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24[2])	**500**	**0.08 - 4 / 28-12**
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	300	- / -
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	- / -

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
COMBI coupling	gray	**SC 2,5-NS/ 1-L** ①	3042340	50

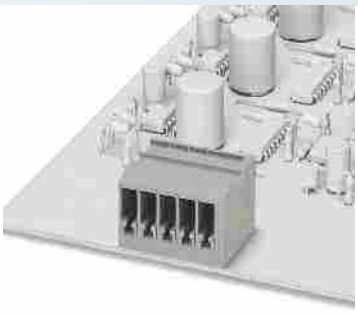
Accessories[1])

Cover, width: 2.2 mm	gray	**D-SC 2,5**	3042243	50
Strain relief, for SPDB... plug and SC 2,5... receptacle, 2-pos.	black	**PDZ/2**	3040562	50
4-pos.	black	**PDZ/4**	3040575	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	3040588	50

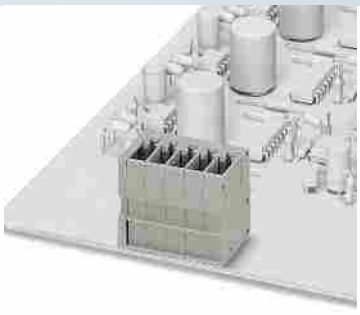
COMBI headers for PCB connection

Notes:

For additional accessories and technical data, see page 364 or visit phoenixcontact.net/products



24 A, header, horizontal plug-in direction



24 A, header, vertical plug-in direction

Technical data

Dimensions					
	[mm]	Width	Length	Height	
		10.4	**21.7**	**18.1**	
Maximum electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG (UL)
		24		**-**	**-**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
General data					
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Technical data

Width	Length	Height		
12.5	**18.05**	**21.7**		
$I_{max.}$ [A]		max. Ø [mm²]	AWG (UL)	
24		**-**	**-**	
IEC	UL	CSA	IEC/ EN 60079-7	
-	300	-	-	
24 / 2.5	15 / -	-	-	
2.5	-	-	-	
PA				
V0				

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs./Pkt.
COMBI header						
	2	10.4 mm	gray	**ST 2,5-PCB/ 2-G-5,2**	1980378	50
	3	15.6 mm	gray	**ST 2,5-PCB/ 3-G-5,2**	1980381	50
	4	20.8 mm	gray	**ST 2,5-PCB/ 4-G-5,2**	1980394	50
	5	26 mm	gray	**ST 2,5-PCB/ 5-G-5,2**	1980404	50
	6	31.2 mm	gray	**ST 2,5-PCB/ 6-G-5,2**	1980417	50
	7	36.4 mm	gray	**ST 2,5-PCB/ 7-G-5,2**	1980420	50
	8	41.6 mm	gray	**ST 2,5-PCB/ 8-G-5,2**	1980433	50
	9	46.8 mm	gray	**ST 2,5-PCB/ 9-G-5,2**	1980446	50
	10	52 mm	gray	**ST 2,5-PCB/10-G-5,2**	1980459	50
	11	57.2 mm	gray	**ST 2,5-PCB/11-G-5,2**	1980462	50
	12	62.4 mm	gray	**ST 2,5-PCB/12-G-5,2**	1980475	50

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs./Pkt.
COMBI header						
	2	12.5 mm	gray	**ST 2,5-PCBV/ 2-G-5,2**	1980488	50
	3	17.7 mm	gray	**ST 2,5-PCBV/ 3-G-5,2**	1980491	50
	4	22.9 mm	gray	**ST 2,5-PCBV/ 4-G-5,2**	1980501	50
	5	28.1 mm	gray	**ST 2,5-PCBV/ 5-G-5,2**	1980514	50
	6	33.3 mm	gray	**ST 2,5-PCBV/ 6-G-5,2**	1980527	50
	7	38.5 mm	gray	**ST 2,5-PCBV/ 7-G-5,2**	1980530	50
	8	43.7 mm	gray	**ST 2,5-PCBV/ 8-G-5,2**	1980543	50
	9	48.9 mm	gray	**ST 2,5-PCBV/ 9-G-5,2**	1980556	50
	10	54.1 mm	gray	**ST 2,5-PCBV/10-G-5,2**	1980569	50
	11	59.3 mm	gray	**ST 2,5-PCBV/11-G-5,2**	1980572	50
	12	64.5 mm	gray	**ST 2,5-PCBV/12-G-5,2**	1980585	50

2.5 mm² COMBI ST plug-in connection solutions

COMBI connectors

Notes:

[1]) For additional accessories and technical data, see page 308.

[2]) For derating curve, visit phoenixcontact.net/products

① ——○

24 A, connector, connection in plug-in direction

① ——○

24 A, connector, connection in plug-in direction, for self-assembly

Dimensions		Technical data[1])			
		Width	Length	Height	Height plugged
	[mm]	**5.2 x No. of pos.**	**15.8**	**39**	**24**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**500**	**0.08 - 4**	**26-12**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	- / -

Dimensions		Technical data[1])			
		Width	Length	Height	Height plugged
	[mm]	**5.2 x No. of pos.**	**15.8**	**39**	**24**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[2])	**500**	**0.08 - 4**	**26-12**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	- / -

Description	No. of pos.	Width	Color	Ordering data Type		Order No.	Pcs./Pkt.
COMBI connectors	1	5.2 mm	gray	**SP 2,5/ 1**	①	3040258	50
	2	10.4 mm	gray	**SP 2,5/ 2**	①	3040261	50
	3	15.6 mm	gray	**SP 2,5/ 3**	①	3040274	50
	4	20.8 mm	gray	**SP 2,5/ 4**	①	3040287	50
	5	26 mm	gray	**SP 2,5/ 5**	①	3040290	50
	6	31.2 mm	gray	**SP 2,5/ 6**	①	3040300	25
	7	36.4 mm	gray	**SP 2,5/ 7**	①	3040313	25
	8	41.6 mm	gray	**SP 2,5/ 8**	①	3040326	25
	9	46.8 mm	gray	**SP 2,5/ 9**	①	3040339	25
	10	52 mm	gray	**SP 2,5/10**	①	3040342	25
	11	57.2 mm	gray	**SP 2,5/11**	①	3040355	10
	12	62.4 mm	gray	**SP 2,5/12**	①	3040368	10
	13	67.6 mm	gray	**SP 2,5/13**	①	3040371	10
	14	72.8 mm	gray	**SP 2,5/14**	①	3040384	10
	15	78 mm	gray	**SP 2,5/15**	①	3040397	10
	1	5.2 mm	blue	**SP 2,5/ 1 BU**	①	3040698	50
	1	5.2 mm	green-yellow	**SP 2,5/ 1 GNYE**	①	3040708	50
COMBI connector, left element	1	5.2 mm	gray	**SP 2,5/ 1-L**	①	3043019	50
	1	5.2 mm	blue	**SP 2,5/ 1-L BU**	①	3043022	50
	1	5.2 mm	green-yellow	**SP 2,5/ 1-L GNYE**	①	3043035	50
COMBI connector, center element	1	5.2 mm	gray	**SP 2,5/ 1-M**	①	3043043	50
	1	5.2 mm	blue	**SP 2,5/ 1-M BU**	①	3043051	50
	1	5.2 mm	green-yellow	**SP 2,5/ 1-M GNYE**	①	3043064	50
COMBI connector, right element	1	5.2 mm	gray	**SP 2,5/ 1-R**	①	3043077	50
	1	5.2 mm	blue	**SP 2,5/ 1-R BU**	①	3043080	50
	1	5.2 mm	green-yellow	**SP 2,5/ 1-R GNYE**	①	3043093	50

Description		Accessories[1]) Type	Order No.	Pcs./Pkt.
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ**	3040614	50
Latching, for connectors, 1-pos.	orange	**PR**	3040559	50
2-pos.	orange	**PR/2**	3040630	50
Strain relief, for plugs, 2-pos.	black	**PZ/2**	3040627	50
4-pos.	black	**PZ/4**	3040643	50

Accessories[1]) Type	Order No.	Pcs./Pkt.
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50
PZ/4	3040643	50

COMBI connectors

Notes:

[1]) For additional accessories and technical data, see page 308.

[2]) For derating curve, visit phoenixcontact.net/products

① ——○

24 A, connector, connection in plug-in direction, cable housing can be snapped on

① ——○

24 A, connector, connection in plug-in direction, for self-assembly, cable housing can be snapped on

Technical data[1])

	Width	Length	Height	Height plugged
Dimensions				
[mm]	**5.2 x No. of pos.**	**15.8**	**39**	**24**
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24[2])	**500**	**0.08 - 4**	**26-12**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	300	300	-
Nominal current / cross section [A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	- / -

Technical data[1])

	Width	Length	Height	Height plugged
Dimensions				
[mm]	**5.2 x No. of pos.**	**15.8**	**39**	**24**
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24[2])	**500**	**0.08 - 4**	**26-12**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	300	300	-
Nominal current / cross section [A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	- / -

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs./Pkt.
COMBI connectors	1	5.2 mm	gray	**SP-H 2,5/ 1**	①	3210619	50
	2	10.4 mm	gray	**SP-H 2,5/ 2**	①	3210622	50
	3	15.6 mm	gray	**SP-H 2,5/ 3**	①	3210635	50
	4	20.8 mm	gray	**SP-H 2,5/ 4**	①	3210648	50
	5	26 mm	gray	**SP-H 2,5/ 5**	①	3210651	50
	6	31.2 mm	gray	**SP-H 2,5/ 6**	①	3210664	25
	7	36.4 mm	gray	**SP-H 2,5/ 7**	①	3210677	25
	8	41.6 mm	gray	**SP-H 2,5/ 8**	①	3210680	25
	9	46.8 mm	gray	**SP-H 2,5/ 9**	①	3210693	25
	10	52 mm	gray	**SP-H 2,5/10**	①	3210703	25
	11	57.2 mm	gray	**SP-H 2,5/11**	①	3210716	10
	12	62.4 mm	gray	**SP-H 2,5/12**	①	3210729	10
	13	67.6 mm	gray	**SP-H 2,5/13**	①	3210732	10
	14	72.8 mm	gray	**SP-H 2,5/14**	①	3210745	10
	15	78 mm	gray	**SP-H 2,5/15**	①	3210758	10
	1	5.2 mm	blue	**SP-H 2,5/ 1 BU**	①	3210761	50
	1	5.2 mm	green-yellow	**SP-H 2,5/ 1 GNYE**	①	3210774	50
COMBI connector, left element	1	5.2 mm	gray	**SP-H 2,5/ 1-L**	①	3210787	50
	1	5.2 mm	blue	**SP-H 2,5/ 1-L BU**	①	3210790	50
	1	5.2 mm	green-yellow	**SP-H 2,5/ 1-L GNYE**	①	3210800	50
COMBI connector, center element	1	5.2 mm	gray	**SP-H 2,5/ 1-M**	①	3210813	50
	1	5.2 mm	blue	**SP-H 2,5/ 1-M BU**	①	3210826	50
	1	5.2 mm	green-yellow	**SP-H 2,5/ 1-M GNYE**	①	3210839	50
COMBI connector, right element	1	5.2 mm	gray	**SP-H 2,5/ 1-R**	①	3210842	50
	1	5.2 mm	blue	**SP-H 2,5/ 1-R BU**	①	3210855	50
	1	5.2 mm	green-yellow	**SP-H 2,5/ 1-R GNYE**	①	3210868	50

Accessories[1])

		Type	Order No.	Pcs./Pkt.
Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ**	3040614	50
Latching, for connectors, 1-pos.	orange	**PR**	3040559	50
2-pos.	orange	**PR/2**	3040630	50
Strain relief, for plugs, 2-pos.	black	**PZ/2**	3040627	50
4-pos.	black	**PZ/4**	3040643	50
Screw flange cover, for SP-H ... and PP 2,5..., PP-H ...COMBI connectors	gray	**DF-SP-H 2,5**	3209824	50
Cable housing, for COMBI plugs SP–H ... and PP–H ..., 2-pos.	gray	**PH 2,5/ 2**	3209691	50
3-pos.	gray	**PH 2,5/ 3**	3209701	50
4-pos.	gray	**PH 2,5/ 4**	3209714	50
5-pos.	gray	**PH 2,5/ 5**	3209727	50
6-pos.	gray	**PH 2,5/ 6**	3209730	25
7-pos.	gray	**PH 2,5/ 7**	3209743	25
8-pos.	gray	**PH 2,5/ 8**	3209756	25
9-pos.	gray	**PH 2,5/ 9**	3209507	25

Accessories[1])

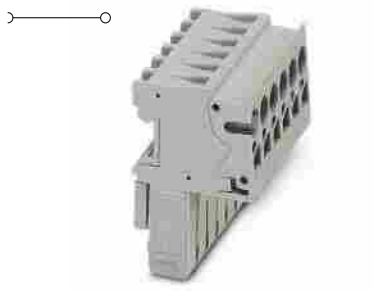
Type	Order No.	Pcs./Pkt.
MPS-MT	0201744	10
MPS-IH RD	0201676	10
PRZ	3040614	50
PR	3040559	50
PR/2	3040630	50
PZ/2	3040627	50
PZ/4	3040643	50
DF-SP-H 2,5	3209824	50
PH 2,5/ 2	3209691	50
PH 2,5/ 3	3209701	50
PH 2,5/ 4	3209714	50
PH 2,5/ 5	3209727	50
PH 2,5/ 6	3209730	25
PH 2,5/ 7	3209743	25
PH 2,5/ 8	3209756	25
PH 2,5/ 9	3209507	25

COMBI connectors

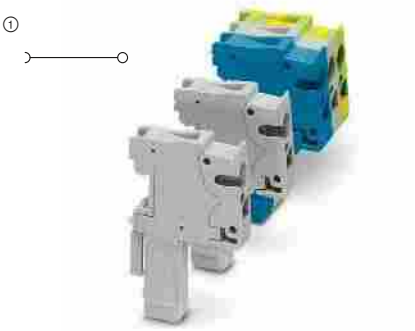
Notes:

[1]) For additional accessories and technical data, see page 308.

[2]) For derating curve, visit phoenixcontact.net/products

① 

24 A, connector, connection at a right angle to the plug-in direction

① 

24 A, connector, connection at a right angle to the plug-in direction, for self-assembly

Technical data[1])

Dimensions				
	Width	Length	Height	Height plugged
[mm]	**5.2 x No. of pos.**	**23.4**	**34**	**19**
Maximum electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24	**500**	**0.08 - 4**	**26-12**
Rated data				
	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	-	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	- / -	- / -

Technical data[1])

Width	Length	Height	Height plugged
5.2 x No. of pos.	**23.4**	**34**	**19**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[2])	**500**	**0.08 - 4**	**26-12**
IEC	UL / CUL	CSA	Ex
500	600	-	-
24[2]) / 2.5	20 / -	- / -	- / -

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs./Pkt.
COMBI connectors	1	5.2 mm	gray	**SPV 2,5/ 1**	①	3041710	50
	2	10.4 mm	gray	**SPV 2,5/ 2**	①	3041723	50
	3	15.6 mm	gray	**SPV 2,5/ 3**	①	3041736	50
	4	20.8 mm	gray	**SPV 2,5/ 4**	①	3041749	50
	5	26 mm	gray	**SPV 2,5/ 5**	①	3041752	50
	6	31.2 mm	gray	**SPV 2,5/ 6**	①	3041765	25
	7	36.4 mm	gray	**SPV 2,5/ 7**	①	3041778	25
	8	41.6 mm	gray	**SPV 2,5/ 8**	①	3041781	25
	9	46.8 mm	gray	**SPV 2,5/ 9**	①	3041794	25
	10	52 mm	gray	**SPV 2,5/10**	①	3041804	25
	11	57.2 mm	gray	**SPV 2,5/11**	①	3041817	10
	12	62.4 mm	gray	**SPV 2,5/12**	①	3041820	10
	13	67.6 mm	gray	**SPV 2,5/13**	①	3041833	10
	14	72.8 mm	gray	**SPV 2,5/14**	①	3041846	10
	15	78 mm	gray	**SPV 2,5/15**	①	3041859	10
	1	5.2 mm	blue	**SPV 2,5/ 1 BU**	①	3061017	50
	1	5.2 mm	green-yellow	**SPV 2,5/ 1 GNYE**	①	3061020	50
COMBI connector, left element	1	5.2 mm	gray	**SPV 2,5/ 1-L**	①	3041024	50
	1	5.2 mm	blue	**SPV 2,5/ 1-L BU**	①	3041037	50
	1	5.2 mm	green-yellow	**SPV 2,5/ 1-L GNYE**	①	3041040	50
COMBI connector, center element	1	5.2 mm	gray	**SPV 2,5/ 1-M**	①	3041053	50
	1	5.2 mm	blue	**SPV 2,5/ 1-M BU**	①	3041066	50
	1	5.2 mm	green-yellow	**SPV 2,5/ 1-M GNYE**	①	3041079	50
COMBI connector, right element	1	5.2 mm	gray	**SPV 2,5/ 1-R**	①	3041082	50
	1	5.2 mm	blue	**SPV 2,5/ 1-R BU**	①	3041095	50
	1	5.2 mm	green-yellow	**SPV 2,5/ 1-R GNYE**	①	3041105	50

Accessories[1])

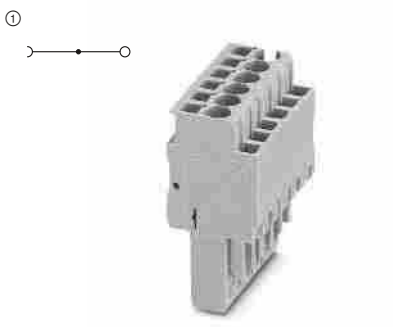
Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Snap-on, for SPV plugs, 2-pos.	orange	**PRV/2**	3041862	50
Strain relief, for plugs, 2-pos.	black	**PZ/2**	3040627	50
4-pos.	black	**PZ/4**	3040643	50

Accessories[1])

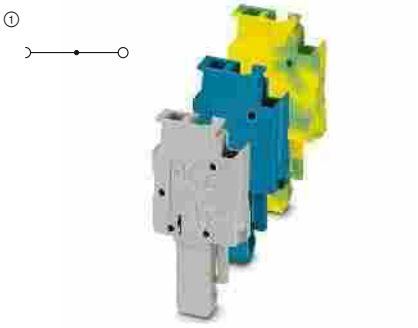
MPS-MT	0201744	10
MPS-IH RD	0201676	10
PRV/2	3041862	50
PZ/2	3040627	50
PZ/4	3040643	50

COMBI connectors

Notes:
1) For additional accessories and technical data, see page 308.
2) For derating curve, visit phoenixcontact.net/products



24 A, connector, connection in plug-in direction



24 A, connector, connection in plug-in direction, for self-assembly

Technical data[1])				
Dimensions				
	Width	Length	Height	Height plugged
[mm]	**5.2 x No. of pos.**	**20**	**39**	**24**
Maximum electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24	**500**	**0.08 - 4**	**26-12**
Maximum bridge current [A]	24 (FBS) / 17.5 (FBSR)			
Rated data				
	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	- / -

Technical data[1])				
	Width	Length	Height	Height plugged
	5.2 x No. of pos.	**20**	**39**	**24**
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24[2])	**500**	**0.08 - 4**	**26-12**
24 (FBS) / 17.5 (FBSR)				
	IEC	UL / CUL	CSA	Ex
	500	600	600	-
	24[2]) / 2.5	20 / -	20 / -	- / -

Description	No. of pos.	Width	Color	Ordering data Type		Order No.	Pcs./Pkt.
COMBI connectors	1	5.2 mm	gray	**SPB 2,5/ 1**	①	3040106	50
	2	10.4 mm	gray	**SPB 2,5/ 2**	①	3040119	50
	3	15.6 mm	gray	**SPB 2,5/ 3**	①	3040122	50
	4	20.8 mm	gray	**SPB 2,5/ 4**	①	3040135	50
	5	26 mm	gray	**SPB 2,5/ 5**	①	3040143	50
	6	31.2 mm	gray	**SPB 2,5/ 6**	①	3040151	25
	7	36.4 mm	gray	**SPB 2,5/ 7**	①	3040164	25
	8	41.6 mm	gray	**SPB 2,5/ 8**	①	3040177	25
	9	46.8 mm	gray	**SPB 2,5/ 9**	①	3040180	25
	10	52 mm	gray	**SPB 2,5/10**	①	3040193	25
	11	57.2 mm	gray	**SPB 2,5/11**	①	3040203	10
	12	62.4 mm	gray	**SPB 2,5/12**	①	3040216	10
	13	67.6 mm	gray	**SPB 2,5/13**	①	3040229	10
	14	72.8 mm	gray	**SPB 2,5/14**	①	3040232	10
	15	78 mm	gray	**SPB 2,5/15**	①	3040245	10
	1	5.2 mm	blue	**SPB 2,5/ 1 BU**	①	3040724	50
	1	5.2 mm	green-yellow	**SPB 2,5/ 1 GNYE**	①	3040711	50
COMBI connector, left element	1	5.2 mm	gray				
	1	5.2 mm	blue				
	1	5.2 mm	green-yellow				
COMBI connector, center element	1	5.2 mm	gray				
	1	5.2 mm	blue				
	1	5.2 mm	green-yellow				
COMBI connector, right element	1	5.2 mm	gray				
	1	5.2 mm	blue				
	1	5.2 mm	green-yellow				

Ordering data Type		Order No.	Pcs./Pkt.
SPB 2,5/ 1-L	①	3043103	50
SPB 2,5/ 1-L BU	①	3043116	50
SPB 2,5/ 1-L GNYE	①	3043129	50
SPB 2,5/ 1-M	①	3043132	50
SPB 2,5/ 1-M BU	①	3043145	50
SPB 2,5/ 1-M GNYE	①	3043158	50
SPB 2,5/ 1-R	①	3043161	50
SPB 2,5/ 1-R BU	①	3043174	50
SPB 2,5/ 1-R GNYE	①	3043187	50

Accessories[1])			
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos. orange	**PRZ**	3040614	50
Latching, for connectors, 1-pos. orange	**PR**	3040559	50
2-pos. orange	**PR/2**	3040630	50
Strain relief, for plugs, 2-pos. black	**PZ/2**	3040627	50
4-pos. black	**PZ/4**	3040643	50

Accessories[1])			
PRZ		3040614	50
PR		3040559	50
PR/2		3040630	50
PZ/2		3040627	50
PZ/4		3040643	50

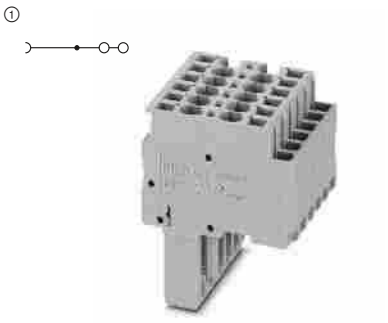
2.5 mm² COMBI ST plug-in connection solutions

COMBI connectors

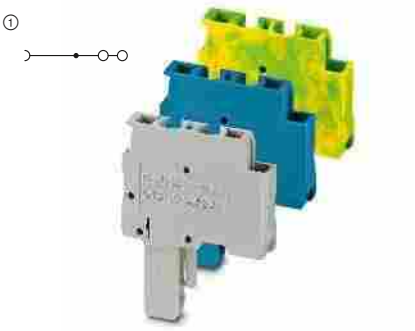
Notes:

[1]) For additional accessories and technical data, see page 308.

[2]) For derating curve, visit phoenixcontact.net/products



24 A, connector, two connections in plug-in direction



24 A, connector, two connections in plug-in direction, for self-assembly

Technical data[1])

Dimensions		Width	Length	Height	Height plugged
	[mm]	**5.2 x No. of pos.**	**32.7**	**39**	**24**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**500**	**0.08 - 4**	**26-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	- / -

Technical data[1])

Dimensions		Width	Length	Height	Height plugged
	[mm]	**5.2 x No. of pos.**	**32.7**	**39**	**24**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24[2])	**500**	**0.08 - 4**	**26-12**
Maximum bridge current	[A]	24 (FBS) / 17.5 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	24[2]) / 2.5	20 / -	20 / -	- / -

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs./Pkt.
COMBI connectors	1	5.2 mm	gray	**SPDB 2,5/ 1**	①	3040407	50
	2	10.4 mm	gray	**SPDB 2,5/ 2**	①	3040410	50
	3	15.6 mm	gray	**SPDB 2,5/ 3**	①	3040423	50
	4	20.8 mm	gray	**SPDB 2,5/ 4**	①	3040436	50
	5	26 mm	gray	**SPDB 2,5/ 5**	①	3040449	50
	6	31.2 mm	gray	**SPDB 2,5/ 6**	①	3040452	25
	7	36.4 mm	gray	**SPDB 2,5/ 7**	①	3040465	25
	8	41.6 mm	gray	**SPDB 2,5/ 8**	①	3040478	25
	9	46.8 mm	gray	**SPDB 2,5/ 9**	①	3040481	25
	10	52 mm	gray	**SPDB 2,5/10**	①	3040494	25
	11	57.2 mm	gray	**SPDB 2,5/11**	①	3040504	10
	12	62.4 mm	gray	**SPDB 2,5/12**	①	3040517	10
	13	67.6 mm	gray	**SPDB 2,5/13**	①	3040520	10
	14	72.8 mm	gray	**SPDB 2,5/14**	①	3040533	10
	15	78 mm	gray	**SPDB 2,5/15**	①	3040546	10
	1	5.2 mm	blue	**SPDB 2,5/ 1 BU**	①	3040737	50
	1	5.2 mm	green-yellow	**SPDB 2,5/ 1 GNYE**	①	3040740	50
COMBI connector, left element	1	5.2 mm	gray	**SPDB 2,5/ 1-L**	①	3043190	50
	1	5.2 mm	blue	**SPDB 2,5/ 1-L BU**	①	3043200	50
	1	5.2 mm	green-yellow	**SPDB 2,5/ 1-L GNYE**	①	3043213	50
COMBI connector, center element	1	5.2 mm	gray	**SPDB 2,5/ 1-M**	①	3043226	50
	1	5.2 mm	blue	**SPDB 2,5/ 1-M BU**	①	3043239	50
	1	5.2 mm	green-yellow	**SPDB 2,5/ 1-M GNYE**	①	3043242	50
COMBI connector, right element	1	5.2 mm	gray	**SPDB 2,5/ 1-R**	①	3043255	50
	1	5.2 mm	blue	**SPDB 2,5/ 1-R BU**	①	3043268	50
	1	5.2 mm	green-yellow	**SPDB 2,5/ 1-R GNYE**	①	3043271	50

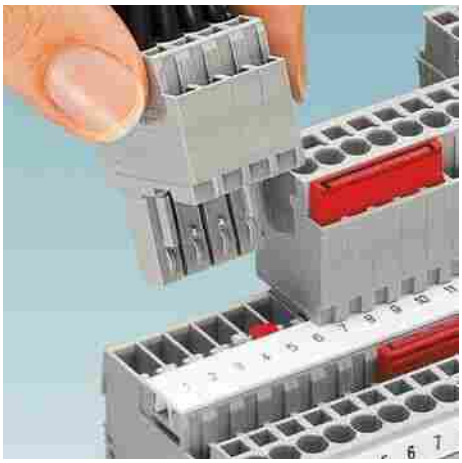
Accessories[1])

		Type	Order No.	Pcs./Pkt.
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ**	3040614	50
Latching, for connectors, 1-pos.	orange	**PR**	3040559	50
2-pos.	orange	**PR/2**	3040630	50
Strain relief, for SPDB... plug and SC 2,5... receptacle, 2-pos.	black	**PDZ/2**	3040562	50
4-pos.	black	**PDZ/4**	3040575	50

Accessories[1])

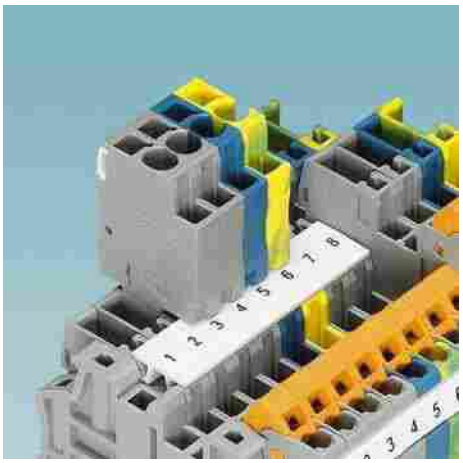
		Type	Order No.	Pcs./Pkt.
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ**	3040614	50
Latching, for connectors, 1-pos.	orange	**PR**	3040559	50
2-pos.	orange	**PR/2**	3040630	50
Strain relief, for SPDB... plug and SC 2,5... receptacle, 2-pos.	black	**PDZ/2**	3040562	50
4-pos.	black	**PDZ/4**	3040575	50

COMBI connectors with spring-cage connection



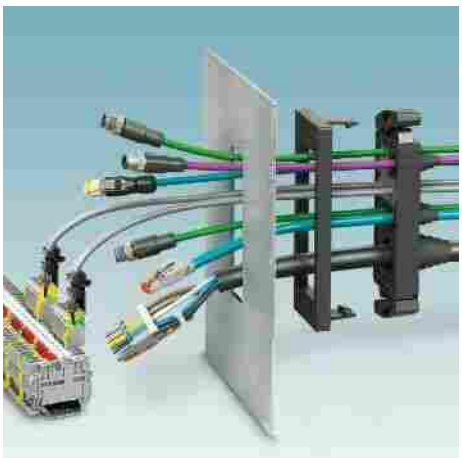
- Connector with scope for bridging, for use with basic terminal blocks
- The SPB 2,5/... connector is designed for connecting one conductor and also provides an additional bridging facility
- The SPDB 2,5/... connector is designed for connecting two conductors and also provides an additional bridging facility
- The CES cable entry system (see Catalog 2) enables the easy and space-saving installation of pre-assembled cables with IP54/IP65 protection in the control cabinet, see figure below

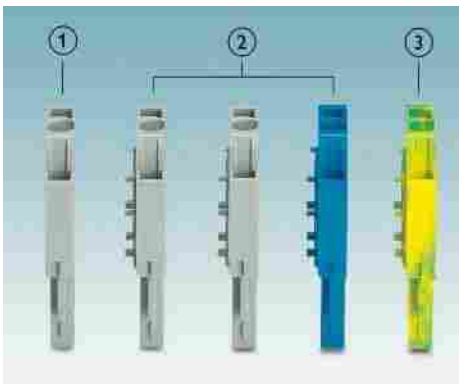
COMBI connectors with spring-cage connection for self-assembly



- The ST-COMBI connectors for self-assembly provide solutions that users can implement themselves
- Cable housings can be snapped onto the SP-H ... connectors
- The plug with spring-cage connection is assembled directly on site by snapping together single-position connector elements. See below for an example of how these go together

① SP 2,5/1-L
② SP 2,5/1-M and SP 2,5/1-M BU
③ SP 2,5/1-R GNYE





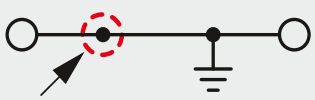
4 mm² COMBI PT plug-in connection solutions

General technical data

Rated data		IEC 61984			
Rated cross section	[mm²]	4			
Cross section range	AWG	24 - 10			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1
Connection cross sections directly plug-in	[mm²]	0.5 - 6	-	0.5 - 4	0.5 - 4
General data					
Stripping length	[mm]	10 - 12			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



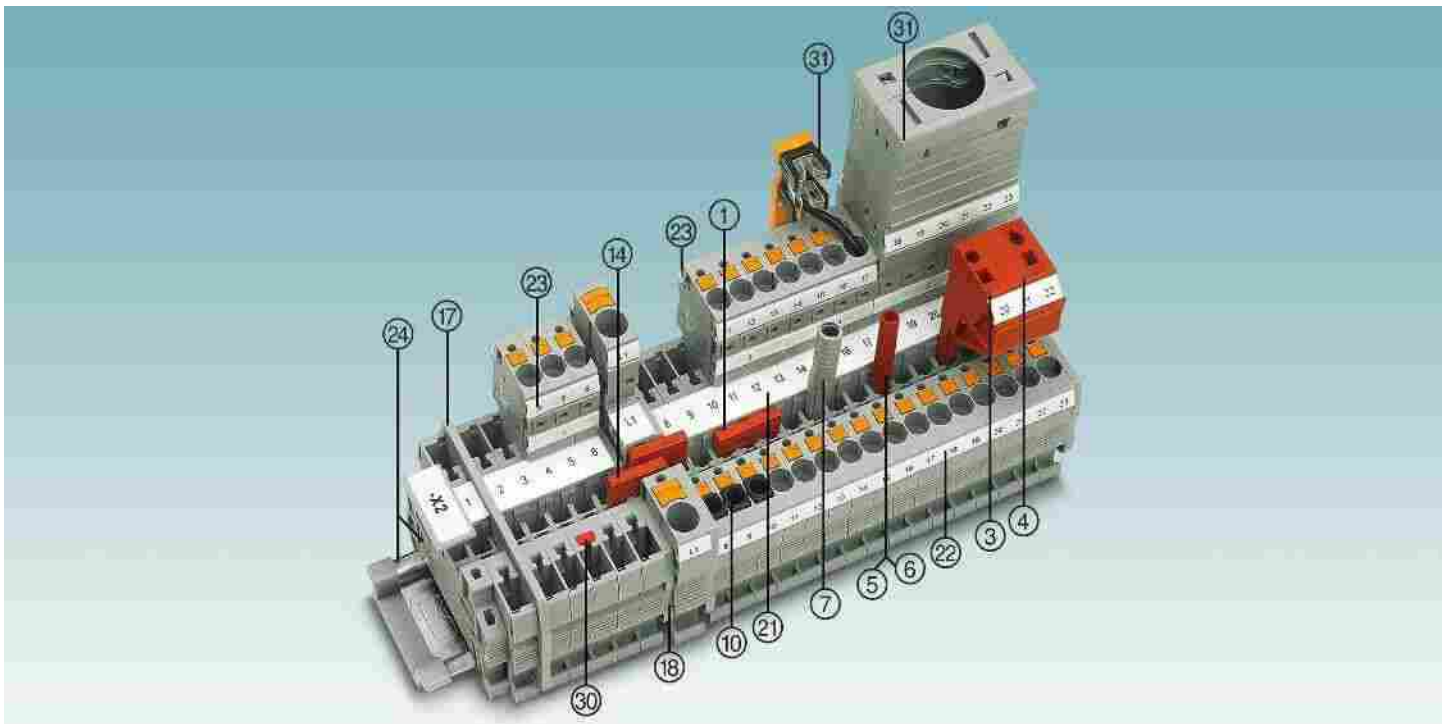
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-6**	3030336	50	**FBSR 2-6**	3033715	50
	3	red	**FBS 3-6**	3030242	50	**FBSR 3-6**	3001594	50
	4	red	**FBS 4-6**	3030255	50	**FBSR 4-6**	3001595	50
	5	red	**FBS 5-6**	3030349	50	**FBSR 5-6**	3001596	50
	10	red	**FBS 10-6**	3030271	10	**FBSR 10-6**	3033716	10
	20	red	**FBS 20-6**	3030365	10			
③ **Modular test plug**		red	**PS-6**	3030996	10			
Spacer plate		red	**DP PS-6**	3036738	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Insulating sleeve		gray	**ISH 4/0,5**	3002885	50			
0.75 - 1 mm²		black	**ISH 4/1,0**	3002898	50			
Coding profile		red	**PC**	3040588	50			
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	1212587	10			

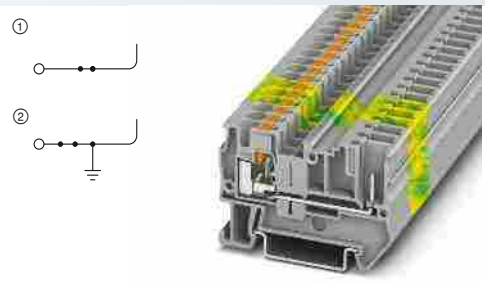
Reducing bridge	**For RB ..., see page 408.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Center groove labeling	**UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 3, selection tables, from page 60.**
Lateral groove labeling	**UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
Latching, strain relief, shielding	**See from page 362.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through and multi-conductor terminal blocks

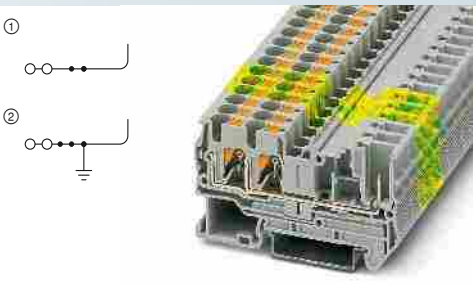
Notes:

1) For additional accessories and technical data, see page 324.

2) For derating curve, visit phoenixcontact.net/products



32 A, feed-through terminal block



32 A, feed-through terminal block, 3 connections

		Technical data[1]			
Dimensions		Width	Length	Height	
	[mm]	**6.2**	**56**	**36.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2]	**800**	**0.2 - 6**	**24-10**
Maximum bridge current	[A]	32 (FBS) / 22 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	32[2] / 4	28 / -	- / -	- / -

		Technical data[1]			
Dimensions		Width	Length	Height	
	[mm]	**6.2**	**66.4**	**36.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2]	**800**	**0.2 - 6**	**24-10**
Maximum bridge current	[A]	32 (FBS) / 22 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	32 / 4	28 / -	28 / -	- / -

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 4/1P**	①	3211937	50
	blue	**PT 4/1P BU**	①	3212007	50
Ground terminal	green-yellow	**PT 4/1P-PE**	②	3211942	50

Accessories[1]			
Cover, width: 2.2 mm	gray	**D-ST 4**	3030420	50

Ordering data			
Type		**Order No.**	Pcs./Pkt.
PT 4-TWIN/1P	①	3212200	50
PT 4-TWIN/1P BU	①	3212201	50
PT 4-TWIN/1P-PE	②	3212202	50

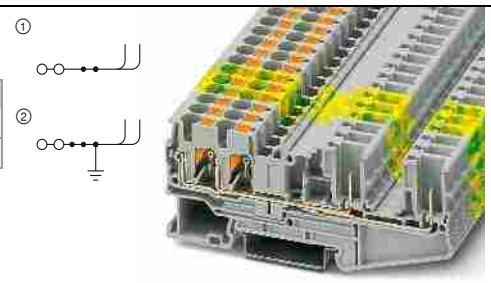
Accessories[1]			
D-PT 4-TWIN/1P	3212203	50

Feed-through and multi-conductor terminal blocks

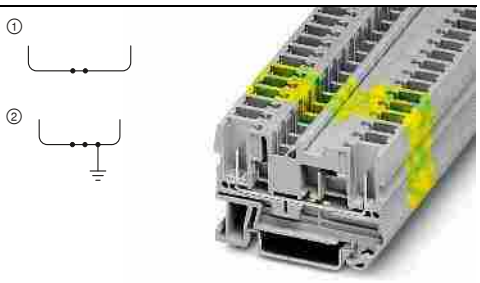
Notes:

1) For additional accessories and technical data, see page 324.

2) For derating curve, visit phoenixcontact.net/products



32 A, feed-through terminal block, 4 connections



32 A, feed-through terminal block

		Technical data[1]			
Dimensions		Width	Length	Height	
	[mm]	**6.2**	**92.1**	**36.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2]	**800**	**0.2 - 6**	**24-10**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	32[2]) / 4	28 / -	28 / -	- / -
Cross section range	AWG	24 - 10	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4

		Technical data[1]			
Dimensions		Width	Length	Height	
	[mm]	**6.2**	**55.9**	**36.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2]	**800**	**0.08 - 6**	**-**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	-	-	-
Nominal current / cross section	[A] / [mm²]	32[2]) / 4	- / -	- / -	- / -
Cross section range	AWG	28 - 10	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 4-QUATTRO/2P**	①	3211991	50
	blue	**PT 4-QUATTRO/2P BU**	①	3212000	50
Ground terminal	green-yellow	**PT 4-QUATTRO/2P-PE**	②	3211999	50

Accessories[1]			
Cover, width: 2.2 mm	gray	**D-PT 4-QUATTRO/2P**	3209277	50

Ordering data			
Type		**Order No.**	Pcs./Pkt.
ST 4/ 2P	①	3042735	50
ST 4/ 2P BU	①	3043789	50
ST 4/ 2P-PE	②	3042748	50

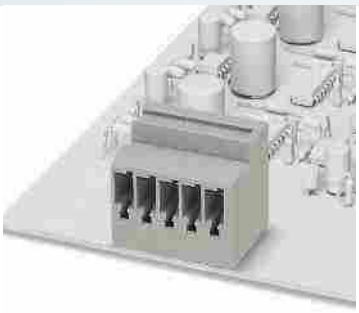
Accessories[1]			
D-ST 4	3030420	50

4 mm² COMBI PT plug-in connection solutions

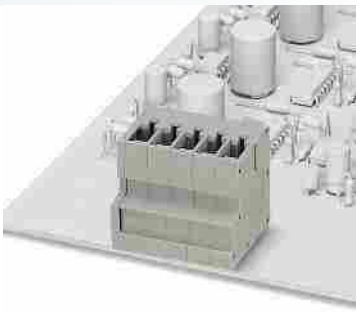
COMBI headers for PCB connection

Notes:

For additional accessories and technical data, see page 364 or visit phoenixcontact.net/products



32 A, header, horizontal plug-in direction



32 A, header, vertical plug-in direction

Technical data

Dimensions					
	[mm]	Width	Length	Height	
		14.45	**25.1**	**29.45**	
Maximum electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG (UL)
		32		**-**	**-**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	20 / -	-	-
Rated cross section	[mm²]	4	-	-	-
General data					
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Technical data

Dimensions					
	[mm]	Width	Length	Height	
		12.4	**26**	**25.1**	
Maximum electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG (UL)
		32		**-**	**-**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	20 / -	-	-
Rated cross section	[mm²]	4	-	-	-
General data					
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs./Pkt.
COMBI header						
	2	14.45 mm	gray	**ST 4-PCB/ 2-G-6,2**	1980598	50
	3	20.65 mm	gray	**ST 4-PCB/ 3-G-6,2**	1980608	50
	4	26.85 mm	gray	**ST 4-PCB/ 4-G-6,2**	1980611	50
	5	33.05 mm	gray	**ST 4-PCB/ 5-G-6,2**	1980624	50
	6	39.25 mm	gray	**ST 4-PCB/ 6-G-6,2**	1980637	50
	7	45.45 mm	gray	**ST 4-PCB/ 7-G-6,2**	1980640	50
	8	51.65 mm	gray	**ST 4-PCB/ 8-G-6,2**	1980653	50
	9	57.85 mm	gray	**ST 4-PCB/ 9-G-6,2**	1980666	50
	10	64.05 mm	gray	**ST 4-PCB/10-G-6,2**	1980679	50
	11	70.25 mm	gray	**ST 4-PCB/11-G-6,2**	1980682	50
	12	76.45 mm	gray	**ST 4-PCB/12-G-6,2**	1980695	50

Ordering data

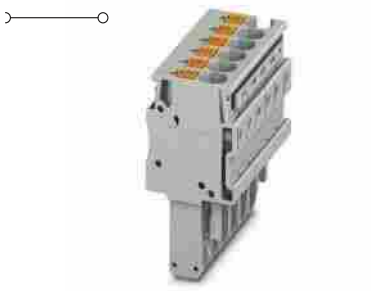
Description	No. of pos.	Width	Color	Type	Order No.	Pcs./Pkt.
COMBI header						
	2	12.4 mm	gray	**ST 4-PCBV/ 2-G-6,2**	1980705	50
	3	18.6 mm	gray	**ST 4-PCBV/ 3-G-6,2**	1980718	50
	4	24.8 mm	gray	**ST 4-PCBV/ 4-G-6,2**	1980721	50
	5	31 mm	gray	**ST 4-PCBV/ 5-G-6,2**	1980734	50
	6	37.2 mm	gray	**ST 4-PCBV/ 6-G-6,2**	1980747	50
	7	43.4 mm	gray	**ST 4-PCBV/ 7-G-6,2**	1980750	50
	8	49.6 mm	gray	**ST 4-PCBV/ 8-G-6,2**	1980763	50
	9	55.8 mm	gray	**ST 4-PCBV/ 9-G-6,2**	1980776	50
	10	62 mm	gray	**ST 4-PCBV/10-G-6,2**	1980789	50
	11	68.2 mm	gray	**ST 4-PCBV/11-G-6,2**	1980792	50
	12	74.4 mm	gray	**ST 4-PCBV/12-G-6,2**	1980802	50

COMBI connectors

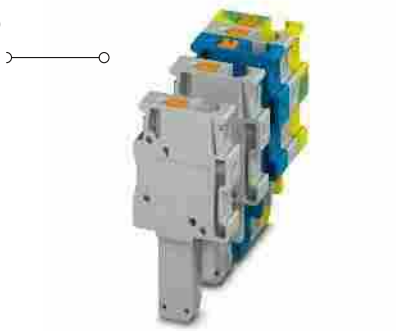
Notes:

[1]) For additional accessories and technical data, see page 324.

[2]) For derating curve, visit phoenixcontact.net/products

① 

32 A, connector, connection in plug-in direction

① 

32 A, connector, connection in plug-in direction, for self-assembly

EAC

Technical data[1])

Dimensions				
	Width	Length	Height	Height plugged
[mm]	**6.2 x No. of pos.**	**21**	**42.3**	**24**
Maximum electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	32[2])	**800**	**0.2 - 6**	**24-10**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	-	-
Nominal current / cross section [A] / [mm²]	32[2]) / 4	28 / -	- / -	- / -

Technical data[1])

	Width	Length	Height	Height plugged
	6.2 x No. of pos.	**21**	**42.3**	**24**
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	32[2])	**800**	**0.2 - 6**	**24-10**
	IEC	UL / CUL	CSA	Ex
	800	600	-	-
	32[2]) / 4	28 / -	- / -	- / -

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs./Pkt.
COMBI connectors	1	6.2 mm	gray	**PP-H 4/ 1**	①	3212010	50
	2	12.4 mm	gray	**PP-H 4/ 2**	①	3212016	50
	3	18.6 mm	gray	**PP-H 4/ 3**	①	3212022	50
	4	24.8 mm	gray	**PP-H 4/ 4**	①	3212029	50
	5	31 mm	gray	**PP-H 4/ 5**	①	3212035	50
	6	37.2 mm	gray	**PP-H 4/ 6**	①	3212041	25
	7	43.4 mm	gray	**PP-H 4/ 7**	①	3212048	25
	8	49.6 mm	gray	**PP-H 4/ 8**	①	3212054	25
	9	55.8 mm	gray	**PP-H 4/ 9**	①	3212061	25
	10	62 mm	gray	**PP-H 4/10**	①	3212067	25
	11	68.2 mm	gray	**PP-H 4/11**	①	3212074	10
	12	74.4 mm	gray	**PP-H 4/12**	①	3212080	10
	13	80.6 mm	gray	**PP-H 4/13**	①	3212087	10
	14	86.8 mm	gray	**PP-H 4/14**	①	3212093	10
	15	93 mm	gray	**PP-H 4/15**	①	3212100	10
	1	6.2 mm	blue	**PP-H 4/ 1 BU**	①	3212077	50
	1	6.2 mm	green-yellow	**PP-H 4/ 1 GNYE**	①	3212088	50
COMBI connector, left element	1	6.2 mm	gray	**PP-H 4/ 1-L**	①	3211948	50
	1	6.2 mm	blue	**PP-H 4/ 1-L BU**	①	3211951	50
	1	6.2 mm	green-yellow	**PP-H 4/ 1-L GNYE**	①	3211958	50
COMBI connector, center element	1	6.2 mm	gray	**PP-H 4/ 1-M**	①	3211965	50
	1	6.2 mm	blue	**PP-H 4/ 1-M BU**	①	3211964	50
	1	6.2 mm	green-yellow	**PP-H 4/ 1-M GNYE**	①	3211971	50
COMBI connector, right element	1	6.2 mm	gray	**PP-H 4/ 1-R**	①	3211977	50
	1	6.2 mm	blue	**PP-H 4/ 1-R BU**	①	3211980	50
	1	6.2 mm	green-yellow	**PP-H 4/ 1-R GNYE**	①	3211987	50

Accessories[1])

Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10	
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10	
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ**	3040614	50	
Latching, for connectors, 1-pos.	orange	**PR**	3040559	50	
2-pos.	orange	**PR/2**	3040630	50	
Strain relief, for plugs, 2-pos.	black	**PZ/2**	3040627	50	
Cable housing, for PP–H 4... COMBI plugs 2-pos.	gray	**PH 4/2**	3000734	50	
3-pos.	gray	**PH 4/3**	3000736	50	
4-pos.	gray	**PH 4/4**	3000737	50	
5-pos.	gray	**PH 4/5**	3000738	50	
6-pos.	gray	**PH 4/6**	3000739	25	
7-pos.	gray	**PH 4/7**	3000740	25	
8-pos.	gray	**PH 4/8**	3000741	25	
9-pos.	gray	**PH 4/9**	3000742	25	
10-pos.	gray	**PH 4/10**	3000743	25	

Accessories[1])

MPS-MT	0201744	10	
MPS-IH RD	0201676	10	
PRZ	3040614	50	
PR	3040559	50	
PR/2	3040630	50	
PZ/2	3040627	50	
PH 4/2	3000734	50	
PH 4/3	3000736	50	
PH 4/4	3000737	50	
PH 4/5	3000738	50	
PH 4/6	3000739	25	
PH 4/7	3000740	25	
PH 4/8	3000741	25	
PH 4/9	3000742	25	
PH 4/10	3000743	25	

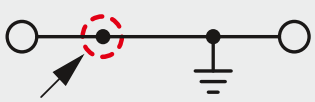
4 mm² COMBI UT plug-in connection solutions

General technical data

Rated data		IEC 61984			
Rated cross section	[mm²]	4			
Cross section range	AWG	26 - 10			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4
2 conductors (of the same type)	[mm²]	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
General data					
Stripping length	[mm]	9			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



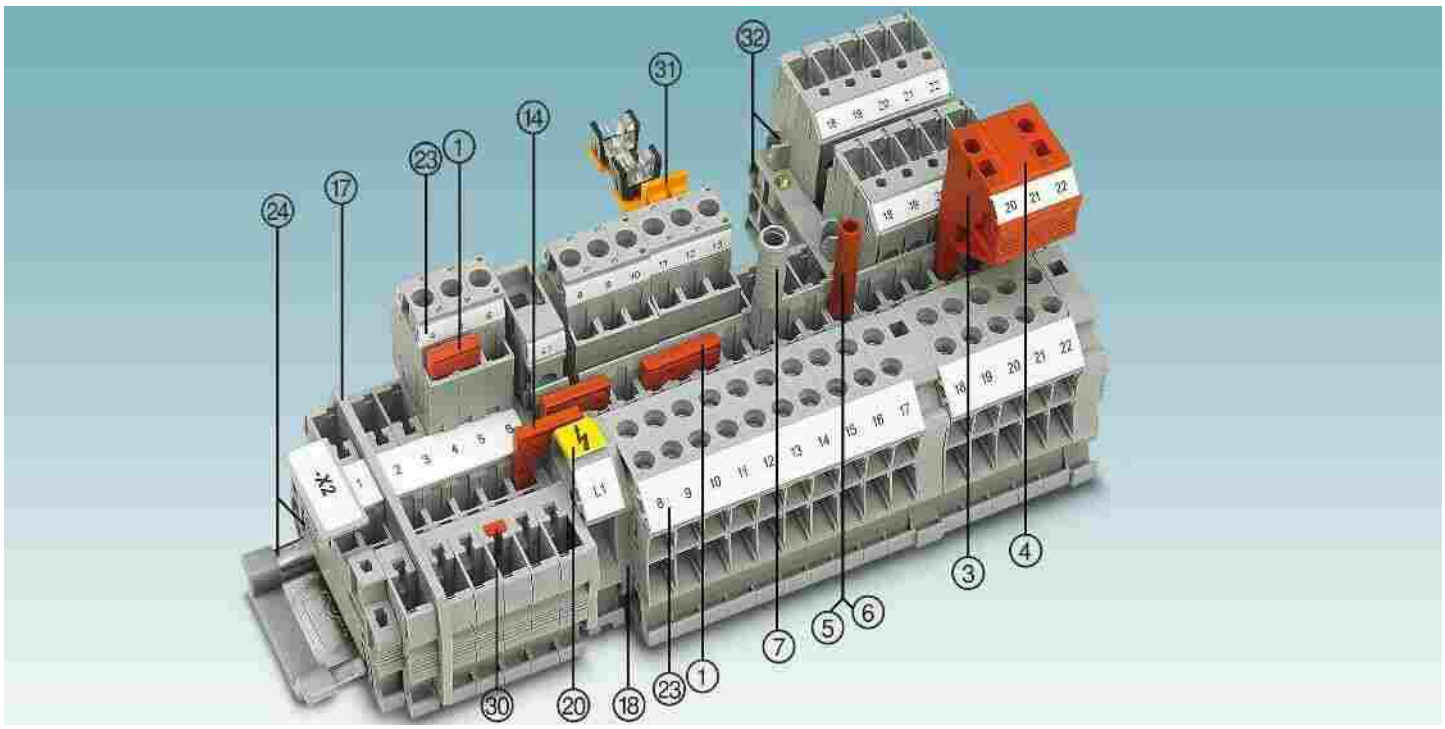
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-6**	3030336	50	**FBSR 2-6**	3033715	50
	3	red	**FBS 3-6**	3030242	50	**FBSR 3-6**	3001594	50
	4	red	**FBS 4-6**	3030255	50	**FBSR 4-6**	3001595	50
	5	red	**FBS 5-6**	3030349	50	**FBSR 5-6**	3001596	50
	10	red	**FBS 10-6**	3030271	10	**FBSR 10-6**	3033716	10
	20	red	**FBS 20-6**	3030365	10			
③ **Modular test plug**		red	**PS-6**	3030996	10			
Spacer plate		red	**DP PS-6**	3036738	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Coding profile		red	**PC**	3040588	50			
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	1212587	10			

Reducing bridge	**For RB ..., see page 408.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Lateral groove labeling	**Terminal block: UC-TM 6, UCT-TM 6 or ZB 6** **Connector: UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
Latching, strain relief, shielding	**See from page 362.**
Screw flanges, screw flange cover	**See from page 372.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

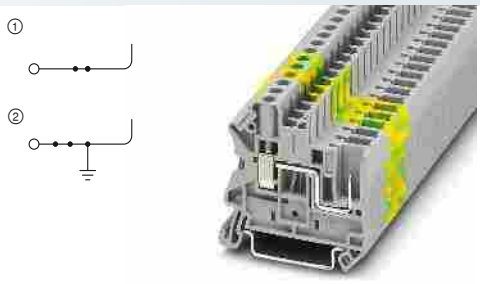
Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

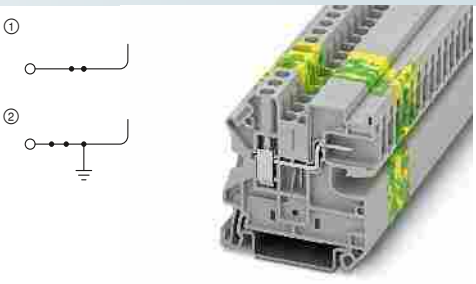
1) For additional accessories and technical data, see page 328.

2) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 372.



32 A, feed-through terminal block



32 A, feed-through terminal block, horizontal plug-in connection

Dimensions		**Technical data[1]**				**Technical data[1]**			
	[mm]	Width	Length	Height		Width	Length	Height	
		6.2	**47.6**	**47.5 (NS 35/7,5)**		**6.2**	**49.8**	**47.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2]	**800**	**0.14 - 6**	**26-10**	**32[2]**	**800**	**0.14 - 6**	**26-10**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)				32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-	800	600	-	-
Nominal current / cross section	[A] / [mm²]	32[2]) / 4	30 / -	30 / -	- / -	32[2]) / 4	30 / -	- / -	- / -

Description	Color	**Ordering data**				**Ordering data**			
		Type		**Order No.**	Pcs./Pkt.	**Type**		**Order No.**	Pcs./Pkt.
Terminal block	gray	**UT 4/ 1P**	①	3045583	50	**UT 4/ 1P-H**	①	3001369	50
	blue	**UT 4/ 1P BU**	①	3045596	50				
Ground terminal	green-yellow	**UT 4/ 1P-PE**	②	3045606	50	**UT 4/ 1P-H-PE**	②	3001372	50
		Accessories[1]				**Accessories[1]**			
Cover, width: 2.2 mm	gray	**D-UT 2,5/1P**		3047154	50	**D-UT 4/1P-H**		3001382	50

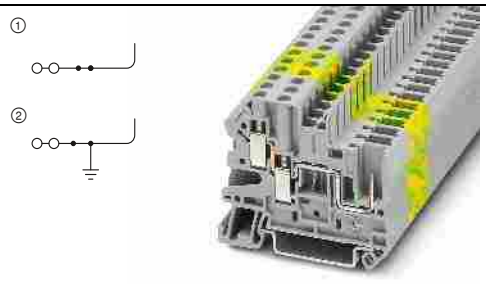
Feed-through, multi-conductor, multi-level, and ground terminal blocks

Notes:

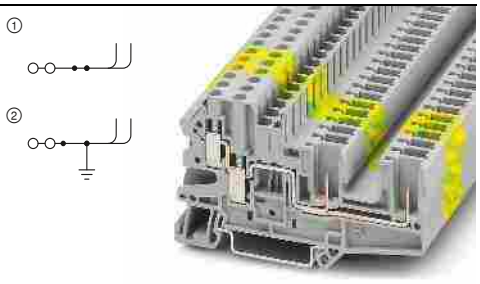
1) For additional accessories and technical data, see page 328.

2) For derating curve, visit phoenixcontact.net/products

For screw flange, see page 372.



32 A, feed-through terminal block, 3 connections

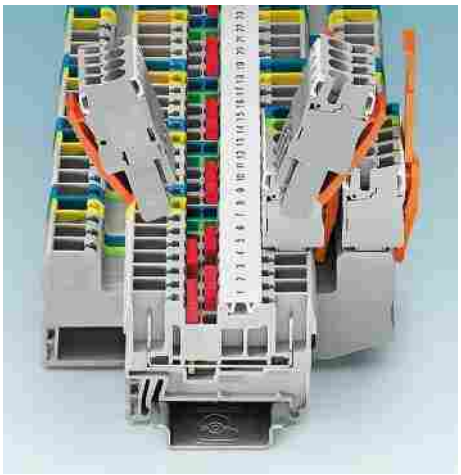


32 A, feed-through terminal block, 4 connections

Dimensions		**Technical data[1]**				**Technical data[1]**			
	[mm]	Width	Length	Height		Width	Length	Height	
		6.2	**55.7**	**47.5 (NS 35/7,5)**		**6.2**	**82.4**	**47.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2])	**500**	**0.14 - 6**	**26-10**	**32**	**500**	**0.14 - 6**	**26-10**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)				32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	300	-	500	600	300	-
Nominal current / cross section	[A] / [mm²]	32[2]) / 4	30 / -	30 / -	- / -	32[2]) / 4	30 / -	30 / -	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve		Rigid	Flexible	Ferrule without/with plastic sleeve	
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1	-	-	-	0.5 - 1

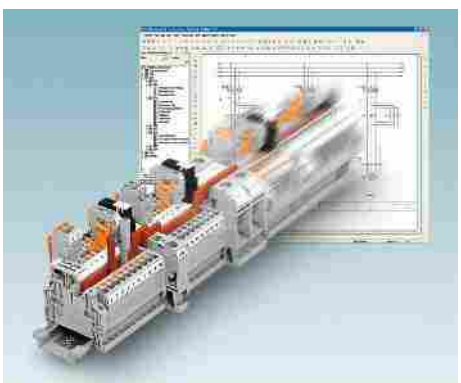
Description	Color	**Ordering data**				**Ordering data**			
		Type		**Order No.**	Pcs./Pkt.	**Type**		**Order No.**	Pcs./Pkt.
Terminal block	gray	**UT 4-TWIN/ 1P**	①	3060267	50	**UT 4-QUATTRO/ 2P**	①	3060296	50
	blue	**UT 4-TWIN/ 1P BU**	①	3060270	50	**UT 4-QUATTRO/ 2P BU**	①	3060306	50
Ground terminal	green-yellow	**UT 4-TWIN/ 1P-PE**	②	3060283	50	**UT 4-QUATTRO/ 2P-PE**	②	3060319	50
		Accessories[1]				**Accessories[1]**			
Cover, width: 2.2 mm	gray	**D-UT 4-TWIN/ 1P**		3045237	50	**D-UT 4-QUATTRO/ 2P**		3045648	50

COMBI plug-in male/male double-level and ground terminal blocks



- For the male/male versions of the COMBI series, plugs can be used on both sides of the terminal blocks
- This makes the COMBI system even more flexible as the terminal blocks are used as the connection element for modules
- Connection with the standard COMBI connectors
- The extensive range of accessories, such as latching, strain relief, encoding and shield connection can be used
- Ground terminal blocks with the same shape and pitch
- Contact is made free from mechanical and electrical errors by simply snapping onto the DIN rail
- All the requirements of IEC 60947-7-2 standard are met

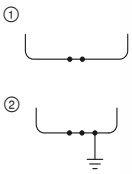
PROJECT complete planning enables the quick and convenient planning and configuration of error-free terminal strips.



Notes:

[1]) For additional accessories and technical data, see page 328.

[2]) For derating curve, visit phoenixcontact.net/products



32 A, feed-through terminal block

EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	**55.9**	**36.5 (NS 35/7,5)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32[2])	**800**	**0.08 - 6** / **-**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	-	- / -
Nominal current / cross section	[A] / [mm²]	32[2]) / 4	- / -	- / - / - / -
Cross section range	AWG	28 - 10	-	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4 / 0.14 - 4
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1

Description	Color
Terminal block	gray
	blue
Ground terminal	green-yellow
Cover, width: 2.2 mm	gray

Ordering data

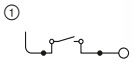
Type		Order No.	Pcs./Pkt.
ST 4/ 2P	①	3042735	50
ST 4/ 2P BU	①	3043789	50
ST 4/ 2P-PE	②	3042748	50

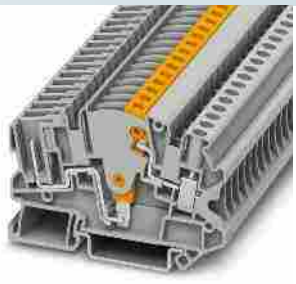
Accessories[1])

D-ST 4		3030420	50

Test disconnect terminal blocks

Notes:
1) For additional accessories and technical data, see page 328.
2) For derating curve, visit phoenixcontact.net/products





28 A, test disconnect terminal block

EAC

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**71.1**	**49.5 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		28[2])	**500**	**0.14 - 6**	**26-10**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	28[2]) / 4	25 / -	25 / -	- / -

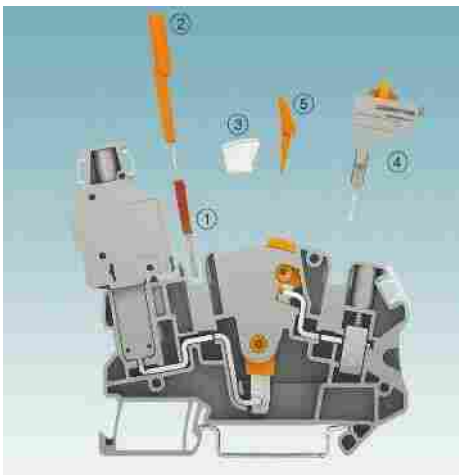
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Terminal block	gray	**UTME 4/1P** ①	3057416	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-UTME 4/1P**	3057429	10

Supplementary accessories for UTME 4/1P test disconnect terminal blocks



– Only two UTME 4/1P test disconnect terminal blocks are required for a current transformer measuring circuit
– Less space required compared to creating circuits with slide-type terminal blocks

① FBS... plug-in bridge for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 4 switching lock
SB-ME... bridge bar
C−ME 4/2 operating lever

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange	**PAI-4-FIX-5/6 OG**	3035974	10
	1	yellow	**PAI-4-FIX-5/6 YE**	3035977	10
	1	green	**PAI-4-FIX-5/6 GN**	3035978	10
	1	violet	**PAI-4-FIX-5/6 VT**	3035979	10
	1	black	**PAI-4-FIX-5/6 BK**	3035980	10
	1	blue	**PAI-4-FIX-5/6 BU**	3035975	10
	1	red	**PAI-4-FIX-5/6 RD**	3035976	10
	1	gray	**PAI-4-FIX-5/6 GY**	3035982	10
	1	brown	**PAI-4-FIX-5/6 BN**	3035981	10
Switching lock, plug-in		white	**S-ME 4**	3035758	10
Switching bridge, plug-in	2	gray/orange	**SB-ME 2-6**	3035755	10
	3	gray/orange	**SB-ME 3-6**	3035756	10
	4	gray/orange	**SB-ME 4-6**	3035757	10
Operating lever, for actuating 2 test disconnect terminal blocks	2	orange	**C-ME 4/2**	3035759	10
	3	orange	**C-ME 4/3**	3035760	10

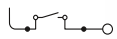
4 mm² COMBI UT plug-in connection solutions

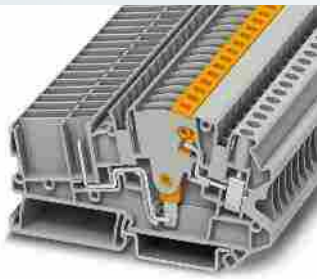
Test disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 328.

[2]) For derating curve, visit phoenixcontact.net/products

① 



28 A, current transformer disconnect terminal block

①

②

20 A, connector, with integrated short-circuit function

Technical data[1])				
Dimensions	Width	Length	Height	
[mm]	**6.2**	**86.5**	**49.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	28	**500**	**0.14 - 6**	**26-10**
Maximum bridge current [A]	32 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	500	600	600	-
Nominal current / cross section [A] / [mm²]	28[2]) / 4	25 / -	25 / -	- / -
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.14 - 6	0.14 - 4	0.14 - 4	0.14 - 4
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 2.5

Technical data[1])				
Width	Length	Height		
12.4	**38.5**	**48.5**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
20	**320**	**0.14 - 6**	**26-10**	
-				
IEC	UL / CUL	CSA	Ex	
320	300	300	-	
20 / 4	25 / -	25 / -	- / -	
Rigid	Flexible	Ferrule without/with plastic sleeve		
0.14 - 6	0.14 - 6	0.14 - 4	0.14 - 4	
-	-	-	0.5 - 1	

Description	Color
Terminal block	gray
Connector, with integrated short-circuit function, 2-pos.	gray
3-pos.	gray
Cover, width: 2.2 mm	gray

Ordering data			
Type		**Order No.**	Pcs./Pkt.
UTME 4-CT/1P	①	3057432	50

Accessories[1])			
D-UTME 4-CT/1P		3057445	10

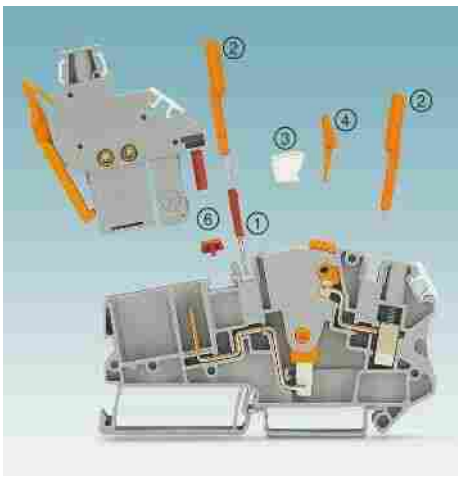
Ordering data			
Type		**Order No.**	Pcs./Pkt.
UPCT 4/2	①	3057461	10
UPCT 4/3	②	3057458	10

Accessories[1])			

Supplementary accessories for UTME 4-CT/1P test disconnect terminal blocks

Notes:

[1]) The coding set can be used to code up to 30 plugs.



- Only two UTME 4-CT/1P test disconnect terminal blocks are required for a current transformer measuring circuit
- Less space required compared to creating circuits with slide-type terminal blocks

① FBS... plug-in bridge for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 4 switching lock
SB-ME... bridge bar
C−ME 4/2 operating lever
PC-CT 6... coding set

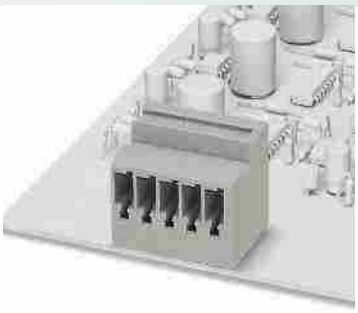
Description	No. of pos.	Color
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft	1	orange
	1	yellow
	1	green
	1	violet
	1	black
	1	blue
	1	red
	1	gray
	1	brown
Switching lock, plug-in		white
Switching bridge, plug-in	2	gray/orange
	3	gray/orange
	4	gray/orange
Operating lever, for actuating 2 test disconnect terminal blocks	2	orange
	3	orange
Coding set, for 2-pos. plugs[1])		red

Ordering data		
Type	**Order No.**	Pcs./Pkt.
PAI-4-FIX-5/6 OG	3035974	10
PAI-4-FIX-5/6 YE	3035977	10
PAI-4-FIX-5/6 GN	3035978	10
PAI-4-FIX-5/6 VT	3035979	10
PAI-4-FIX-5/6 BK	3035980	10
PAI-4-FIX-5/6 BU	3035975	10
PAI-4-FIX-5/6 RD	3035976	10
PAI-4-FIX-5/6 GY	3035982	10
PAI-4-FIX-5/6 BN	3035981	10
S-ME 4	3035758	10
SB-ME 2-6	3035755	10
SB-ME 3-6	3035756	10
SB-ME 4-6	3035757	10
C-ME 4/2	3035759	10
C-ME 4/3	3035760	10
PC-CT 6/2	3212308	1

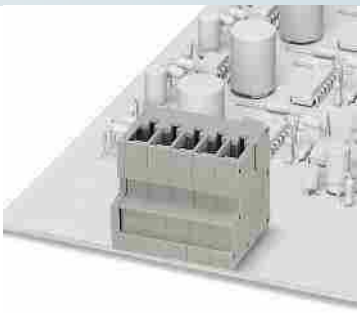
COMBI headers for PCB connection

Notes:

For additional accessories and technical data, see page 364 or visit phoenixcontact.net/products



32 A, header, horizontal plug-in direction



32 A, header, vertical plug-in direction

Technical data

Dimensions					
	[mm]	Width	Length	Height	
		14.45	**25.1**	**29.45**	
Maximum electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG (UL)
		32		**-**	**-**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	20 / -	-	-
Rated cross section	[mm²]	4	-	-	-
General data					
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs./Pkt.
COMBI header						
	2	14.45 mm	gray	**ST 4-PCB/ 2-G-6,2**	1980598	50
	3	20.65 mm	gray	**ST 4-PCB/ 3-G-6,2**	1980608	50
	4	26.85 mm	gray	**ST 4-PCB/ 4-G-6,2**	1980611	50
	5	33.05 mm	gray	**ST 4-PCB/ 5-G-6,2**	1980624	50
	6	39.25 mm	gray	**ST 4-PCB/ 6-G-6,2**	1980637	50
	7	45.45 mm	gray	**ST 4-PCB/ 7-G-6,2**	1980640	50
	8	51.65 mm	gray	**ST 4-PCB/ 8-G-6,2**	1980653	50
	9	57.85 mm	gray	**ST 4-PCB/ 9-G-6,2**	1980666	50
	10	64.05 mm	gray	**ST 4-PCB/10-G-6,2**	1980679	50
	11	70.25 mm	gray	**ST 4-PCB/11-G-6,2**	1980682	50
	12	76.45 mm	gray	**ST 4-PCB/12-G-6,2**	1980695	50

Technical data

Dimensions					
	[mm]	Width	Length	Height	
		12.4	**26**	**25.1**	
Maximum electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG (UL)
		32		**-**	**-**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	20 / -	-	-
Rated cross section	[mm²]	4	-	-	-
General data					
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

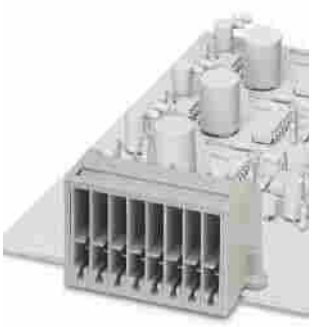
Description	No. of pos.	Width	Color	Type	Order No.	Pcs./Pkt.
COMBI header						
	2	12.4 mm	gray	**ST 4-PCBV/ 2-G-6,2**	1980705	50
	3	18.6 mm	gray	**ST 4-PCBV/ 3-G-6,2**	1980718	50
	4	24.8 mm	gray	**ST 4-PCBV/ 4-G-6,2**	1980721	50
	5	31 mm	gray	**ST 4-PCBV/ 5-G-6,2**	1980734	50
	6	37.2 mm	gray	**ST 4-PCBV/ 6-G-6,2**	1980747	50
	7	43.4 mm	gray	**ST 4-PCBV/ 7-G-6,2**	1980750	50
	8	49.6 mm	gray	**ST 4-PCBV/ 8-G-6,2**	1980763	50
	9	55.8 mm	gray	**ST 4-PCBV/ 9-G-6,2**	1980776	50
	10	62 mm	gray	**ST 4-PCBV/10-G-6,2**	1980789	50
	11	68.2 mm	gray	**ST 4-PCBV/11-G-6,2**	1980792	50
	12	74.4 mm	gray	**ST 4-PCBV/12-G-6,2**	1980802	50

4 mm² COMBI UT plug-in connection solutions

Connectors

- Direct connection of current transformers and voltage transducers, e.g., to a protective relay for medium-voltage switchgear
- UP 4...CT and BP 4...CT plugs contain a short-circuit element. When removing the plug from the device, a leading short circuit of the connected current transformer is carried out

①



①

②

Notes:

[1]) For additional accessories and technical data, see page 328.

PT 4-WE feed-through terminal blocks, see page 653.

EAC

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**65.7**	**29.1**	**34.3**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		15	**320**	**0.5 - 2.5**	**-**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	320	-	-	-
Nominal current / cross section	[A] / [mm²]	15	- / -	- / -	- / -
Rated cross section	[mm²]	2.5			
Cross section range	AWG	20 - 14	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 2.5	0.5 - 2.5	-	-
2 conductors (of the same type)	[mm²]	-	-	-	-
General data					
Stripping length	[mm]	-			

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs./Pkt.
PCB connector, with screw flange covers	8	gray	**FC 4-PCB/8**	①	3208694	10
	10	gray	**FC 4-PCB/10**	①	3208736	10
Short-circuit plug, for four current transformers	8	gray				
Plug, for four voltage transducers	8	gray				
Short-circuit plug, for four current transformers, bolt connection	10	gray				
Plug, for four voltage transducers, bolt connection	10	gray				

EAC

Technical data[1])

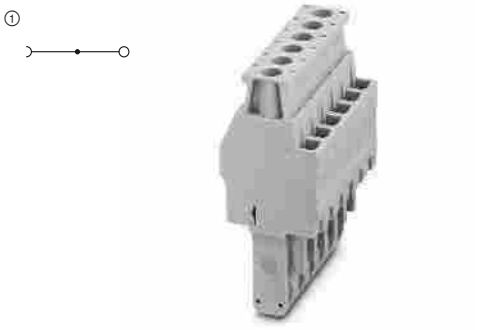
		Width	Length	Height	
		74.4	**45.4**	**34.3**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		15	**320**	**0.14 - 6**	**-**
		IEC	UL / CUL	CSA	Ex
		320	-	-	-
		15	- / -	- / -	- / -
		6			
		26 - 10	-	-	-
		Rigid	Flexible	Ferrule without/with plastic sleeve	
		0.14 - 6	0.14 - 6	0.25 - 4	0.25 - 4
		0.14 - 1.5	0.14 - 1.5	0.25 - 1.5	-
		8 - 9			

Ordering data

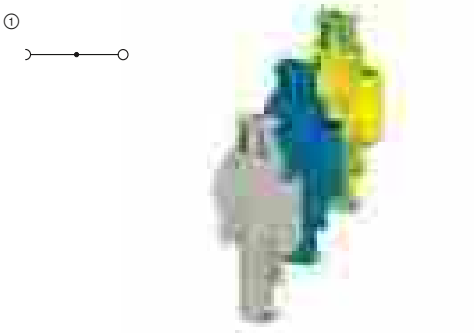
Type		Order No.	Pcs./Pkt.
UP 4-4CT	①	3208720	10
UP 4-4VT	②	3208721	10
BP 4-5CT	①	3208733	10
BP 4-5VT	②	3208734	10

COMBI connectors

Notes:
1) For additional accessories and technical data, see page 328.
2) For derating curve, visit phoenixcontact.net/products



32 A, connector, connection at a right angle to the plug-in direction



32 A, connector, connection at a right angle to the plug-in direction, for self-assembly

Technical data[1])

Dimensions				
	Width	Length	Height	Height plugged
[mm]	**6.2 x No. of pos.**	**22**	**48.5**	**32.2**
Maximum electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	32	**800**	**0.14 - 6**	**26-10**
Maximum bridge current [A]	32 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	-
Nominal current / cross section [A] / [mm²]	32 / 4	30 / -	30 / -	- / -
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1

Technical data[1])

Dimensions				
	Width	Length	Height	Height plugged
[mm]	**6.2 x No. of pos.**	**22**	**48.5**	**32.2**
Maximum electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	32[2])	**800**	**0.14 - 6**	**26-10**
Maximum bridge current [A]	32 (FBS) / 24 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	-
Nominal current / cross section [A] / [mm²]	32[2]) / 4	30 / -	30 / -	- / -
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs./Pkt.
Connector	1	6.2 mm	gray	**UPBV 4/ 1** ①	3045800	50
	2	12.4 mm	gray	**UPBV 4/ 2** ①	3045813	50
	3	18.6 mm	gray	**UPBV 4/ 3** ①	3045826	50
	4	24.8 mm	gray	**UPBV 4/ 4** ①	3045839	50
	5	31 mm	gray	**UPBV 4/ 5** ①	3045842	50
	6	37.2 mm	gray	**UPBV 4/ 6** ①	3045855	25
	7	43.4 mm	gray	**UPBV 4/ 7** ①	3045868	25
	8	49.6 mm	gray	**UPBV 4/ 8** ①	3045871	25
	9	55.8 mm	gray	**UPBV 4/ 9** ①	3045884	25
	10	62 mm	gray	**UPBV 4/10** ①	3045897	25
	11	68.2 mm	gray	**UPBV 4/11** ①	3045907	10
	12	74.4 mm	gray	**UPBV 4/12** ①	3045910	10
	13	80.6 mm	gray	**UPBV 4/13** ①	3045923	10
	14	86.8 mm	gray	**UPBV 4/14** ①	3045936	10
	15	93 mm	gray	**UPBV 4/15** ①	3045949	10
	1	6.2 mm	blue	**UPBV 4/ 1 BU** ①	3045266	50
	1	6.2 mm	green-yellow	**UPBV 4/ 1 GNYE** ①	3045279	50
Connector, left element	1	6.2 mm	gray	**UPBV 4/ 1-L** ①	3045716	50
	1	6.2 mm	blue	**UPBV 4/ 1-L BU** ①	3045729	50
	1	6.2 mm	green-yellow	**UPBV 4/ 1-L GNYE** ①	3045732	50
Connector, center element	1	6.2 mm	gray	**UPBV 4/ 1-M** ①	3045745	50
	1	6.2 mm	blue	**UPBV 4/ 1-M BU** ①	3045758	50
	1	6.2 mm	green-yellow	**UPBV 4/ 1-M GNYE** ①	3045761	50
Connector, right element	1	6.2 mm	gray	**UPBV 4/ 1-R** ①	3045774	50
	1	6.2 mm	blue	**UPBV 4/ 1-R BU** ①	3045787	50
	1	6.2 mm	green-yellow	**UPBV 4/ 1-R GNYE** ①	3045790	50

Accessories[1])

		Type	Order No.	Pcs./Pkt.
Strain relief, for UPBV... plugs, 2-pos.	black	**UPZ/ 2**	3045554	50
Latching, for UPBV plugs, 2-pos.	orange	**UPR/ 2**	3045567	50
Latching and strain relief systems, for UPBV.... plugs, 2-pos.	orange	**UPRZ**	3045570	50
Screw flange cover, for UPBV 2,5 and UPBV 4 COMBI plugs	gray	**DF-UPBV 2,5/ 4**	3060432	50

Accessories[1])

Type	Order No.	Pcs./Pkt.
UPZ/ 2	3045554	50
UPR/ 2	3045567	50
UPRZ	3045570	50
DF-UPBV 2,5/ 4	3060432	50

4 mm² COMBI UT plug-in connection solutions

COMBI connectors

Notes:

[1]) For additional accessories and technical data, see page 328.

[2]) For derating curve, visit phoenixcontact.net/products

① ○——

32 A, connector, connection in plug-in direction

① ○——

32 A, connector, connection in plug-in direction, for self-assembly

EAC KEMA KEUR

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height	Height plugged
		6.2 x No. of pos.	**21**	**41.2**	**24.8**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2])	**800**	**0.2 - 6**	**26-10**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	32[2]) / 4	30 / -	30 / -	- / -
Cross section range	AWG	24 - 10	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 6	0.25 - 4	0.25 - 4
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5

Technical data[1])

Width	Length	Height	Height plugged
6.2 x No. of pos.	**21**	**41.2**	**24.8**
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32[2])	**800**	**0.2 - 6**	**26-10**
IEC	UL / CUL	CSA	Ex
800	600	600	-
32[2]) / 4	30 / -	30 / -	- / -
24 - 10	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 6	0.25 - 4	0.25 - 4
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs./Pkt.
Connector	1	6.2 mm	gray	**UP 4/ 1**	①	3060115	50
	2	12.4 mm	gray	**UP 4/ 2**	①	3060128	50
	3	18.6 mm	gray	**UP 4/ 3**	①	3060131	50
	4	24.8 mm	gray	**UP 4/ 4**	①	3060144	50
	5	31 mm	gray	**UP 4/ 5**	①	3060157	50
	6	37.2 mm	gray	**UP 4/ 6**	①	3060160	25
	7	43.4 mm	gray	**UP 4/ 7**	①	3060173	25
	8	49.6 mm	gray	**UP 4/ 8**	①	3060186	25
	9	55.8 mm	gray	**UP 4/ 9**	①	3060199	25
	10	62 mm	gray	**UP 4/10**	①	3060209	25
	11	68.2 mm	gray	**UP 4/11**	①	3060212	10
	12	74.4 mm	gray	**UP 4/12**	①	3060225	10
	13	80.6 mm	gray	**UP 4/13**	①	3060238	10
	14	86.8 mm	gray	**UP 4/14**	①	3060241	10
	15	93 mm	gray	**UP 4/15**	①	3060254	10
	1	6.2 mm	blue	**UP 4/ 1 BU**	①	3045282	50
	1	6.2 mm	green-yellow	**UP 4/ 1 GNYE**	①	3045295	50
Connector, left element	1	6.2 mm	gray	**UP 4/ 1-L**	①	3060021	50
	1	6.2 mm	blue	**UP 4/ 1-L BU**	①	3060034	50
	1	6.2 mm	green-yellow	**UP 4/ 1-L GNYE**	①	3060047	50
Connector, center element	1	6.2 mm	gray	**UP 4/ 1-M**	①	3060050	50
	1	6.2 mm	blue	**UP 4/ 1-M BU**	①	3060063	50
	1	6.2 mm	green-yellow	**UP 4/ 1-M GNYE**	①	3060076	50
Connector, right element	1	6.2 mm	gray	**UP 4/ 1-R**	①	3060089	50
	1	6.2 mm	blue	**UP 4/ 1-R BU**	①	3060092	50
	1	6.2 mm	green-yellow	**UP 4/ 1-R GNYE**	①	3060102	50

Accessories[1])

		Type	Order No.	Pcs./Pkt.
Strain relief, for plugs, 2-pos.	black	**PZ/2**	3040627	50
Latching, for connectors, 1-pos.	orange	**PR**	3040559	50
2-pos.	orange	**PR/2**	3040630	50
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ**	3040614	50
Screw flange cover, for UP 4 COMBI plug	gray	**DF-UP 4**	3060348	50

Accessories[1])

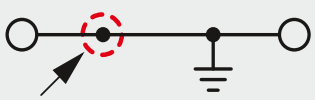
Type	Order No.	Pcs./Pkt.
PZ/2	3040627	50
PR	3040559	50
PR/2	3040630	50
PRZ	3040614	50
DF-UP 4	3060348	50

General technical data

Rated data		IEC 61984			
Rated cross section	[mm²]	4			
Cross section range	AWG	28 - 10			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 6	0.08 - 4	0.14 - 4	0.14 - 4
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



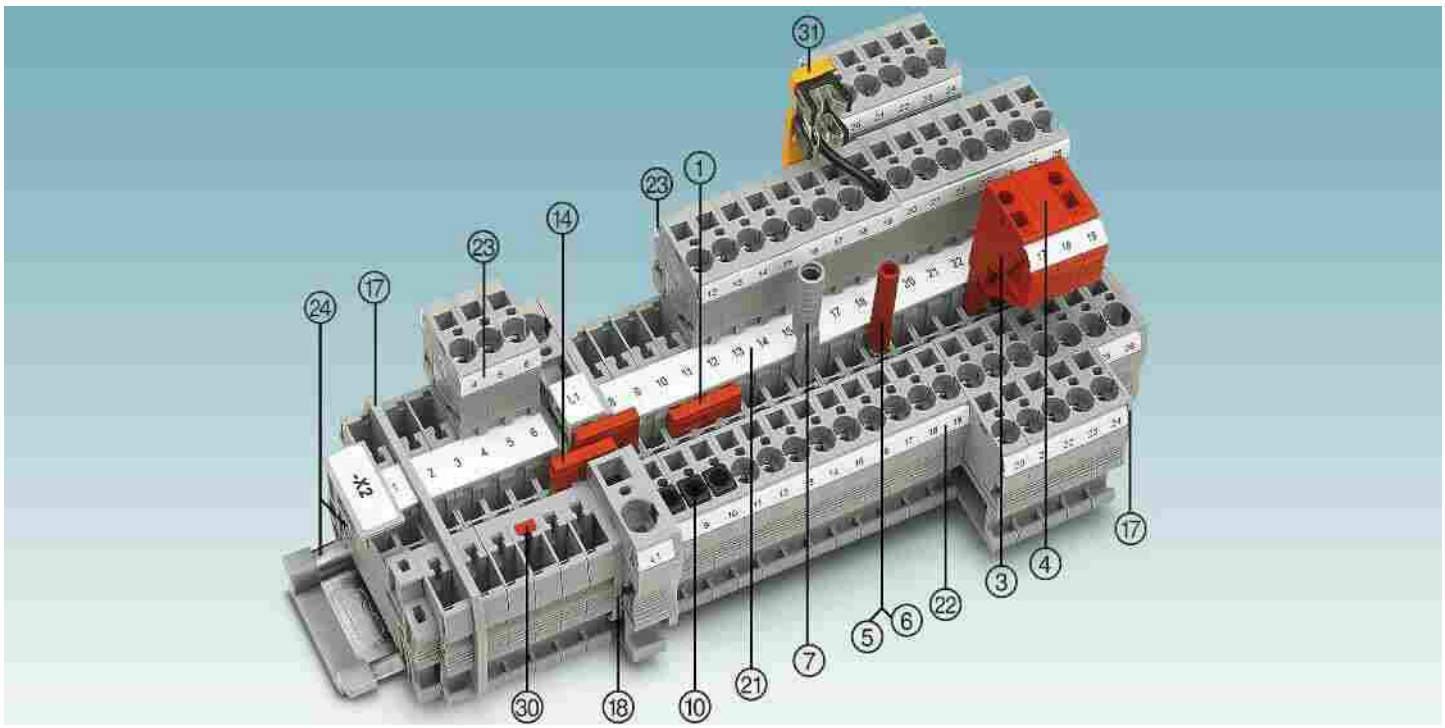
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-6**	3030336	50	**FBSR 2-6**	3033715	50
	3	red	**FBS 3-6**	3030242	50	**FBSR 3-6**	3001594	50
	4	red	**FBS 4-6**	3030255	50	**FBSR 4-6**	3001595	50
	5	red	**FBS 5-6**	3030349	50	**FBSR 5-6**	3001596	50
	10	red	**FBS 10-6**	3030271	10	**FBSR 10-6**	3033716	10
	20	red	**FBS 20-6**	3030365	10			
③ **Modular test plug**		red	**PS-6**	3030996	10			
Spacer plate		red	**DP PS-6**	3036738	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Insulating sleeve, 0.25 - 0.5 mm²		gray	**ISH 4/0,5**	3002885	50			
0.75 - 1 mm²		black	**ISH 4/1,0**	3002898	50			
Coding profile		red	**PC**	3040588	50			
Screwdriver			**SZF 1-0,6X3,5**	1204517	10			

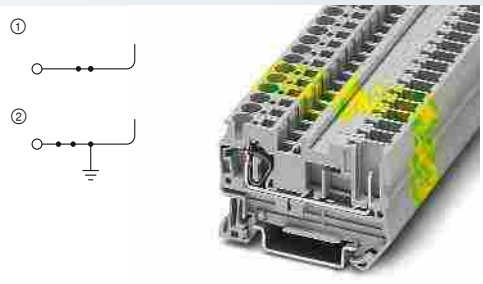
Reducing bridge	**For RB ..., see page 408.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Center groove labeling	**UC-TM 6, UCT-TM 6 or ZB 6. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 3, selection tables, from page 60.**
Lateral groove labeling	**UC-TMF 6, UCT-TMF 6 or ZBF 6. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
Latching, strain relief, shielding	**See from page 362.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through, multi-conductor, and ground terminal blocks

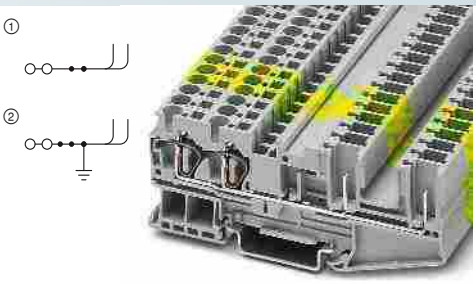
Notes:

1) For additional accessories and technical data, see page 338.

2) For derating curve, visit phoenixcontact.net/products



32 A, feed-through terminal block



32 A, feed-through terminal block, 4 connections

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		6.2	55.8	36.5 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32²)	800	0.08 - 6 / 28-10
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	600 / -
Nominal current / cross section	[A] / [mm²]	32²) / 4	30 / -	30 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**ST 4/ 1P**	①	3042719	50
	blue	**ST 4/ 1P BU**	①	3042874	50
Ground terminal	green-yellow	**ST 4/ 1P-PE**	②	3042722	50

Accessories1)

Cover, width: 2.2 mm	gray	**D-ST 4**	3030420	50

Technical data1)

Width	Length	Height		
6.2	97.3	36.5 (NS 35/7,5)		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
32²)	800	0.08 - 6	28-10	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
32²) / 4	30 / -	30 / -	- / -	

Ordering data

Type		Order No.	Pcs./Pkt.
ST 4-QUATTRO/2P	①	3042845	50
ST 4-QUATTRO/2P BU	①	3042861	50
ST 4-QUATTRO/2P-PE	②	3042858	50

Accessories1)

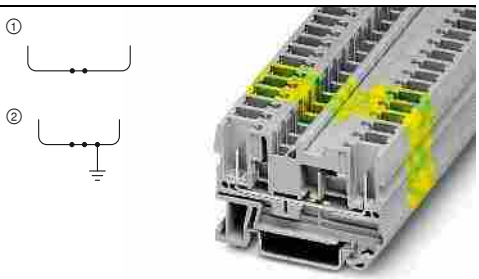
D-ST 4-QUATTRO/2P	3043747	50

Feed-through, multi-conductor, and ground terminal blocks

Notes:

1) For additional accessories and technical data, see page 338.

2) For derating curve, visit phoenixcontact.net/products



32 A, feed-through terminal block

Technical data1)

Dimensions				
	[mm]	Width	Length	Height
		6.2	55.9	36.5 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32²)	800	0.08 - 6 / -
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	-	- / -
Nominal current / cross section	[A] / [mm²]	32²) / 4	- / -	- / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**ST 4/ 2P**	①	3042735	50
	blue	**ST 4/ 2P BU**	①	3043789	50
Ground terminal	green-yellow	**ST 4/ 2P-PE**	②	3042748	50

Accessories1)

Cover, width: 2.2 mm	gray	**D-ST 4**	3030420	50

Feed-through and multi-conductor terminal blocks

– This plug-in basic terminal block can be fitted with 4 mm² COMBI connectors as well as crimp contacts in the CP 4/6 connector housing
– Conductors with crimped on STG-MTN ... module socket contacts can be easily snapped into the CP 4/6 connector housing

Notes:

[1]) For additional accessories and technical data, see page 338.

[2]) For derating curve, visit phoenixcontact.net/products

①

32 A, feed-through terminal block, 4 connections

EAC

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**6.2**	**95.9**	**36.8 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2])	**500**	**0.08 - 4**	**28-10**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	32[2]) / 4	30 / -	30 / -	- / -
Cross section range	AWG	28 - 12	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.08 - 4	0.08 - 4	-	-

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Terminal block	gray	**ST 4-QUATTRO/4CP** ①	3042736	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-ST 4-QUATTRO/4CP**	3042739	10
Module socket contact				
for wires from 0.5 ... 1,0 mm²	silver	**STG-MTN 0,5-1,0**	3190438	100
for wires from 1.5 ... 2.5 mm²	silver	**STG-MTN 1,5-2,5**	3190506	100

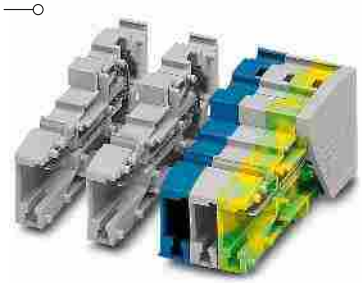
Couplings

Notes:
1) For additional accessories and technical data, see page 338.
2) For derating curve, visit phoenixcontact.net/products

① —○

32 A, coupling

① —○



32 A, coupling, for self-assembly

EAC

Technical data[1])			
Dimensions			
Width	Length	Height	
[mm]	**6.2 x No. of pos.**	**48.6**	**22.3**
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**800**	**0.08 - 6**	**28-10**
Rated data			
IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	-	-
Nominal current / cross section [A] / [mm²]	32 / 4	30 / -	- / -	- / -

EAC

Technical data[1])			
Width	Length	Height	
6.2 x No. of pos.	**48.6**	**22.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32[2])	**800**	**0.08 - 6**	**28-10**
IEC	UL / CUL	CSA	Ex
800	600	-	-
32[2]) / 4	30 / -	- / -	- / -

Description	No. of pos.	Color	Ordering data: Type		Order No.	Pcs./Pkt.
COMBI coupling	2	gray	**SC 4/ 2**	①	3042450	50
	3	gray	**SC 4/ 3**	①	3042463	50
	4	gray	**SC 4/ 4**	①	3042476	50
	5	gray	**SC 4/ 5**	①	3042489	50
	6	gray	**SC 4/ 6**	①	3042492	25
	7	gray	**SC 4/ 7**	①	3042502	25
	8	gray	**SC 4/ 8**	①	3042515	25
	9	gray	**SC 4/ 9**	①	3042528	25
	10	gray	**SC 4/10**	①	3042531	25
	11	gray	**SC 4/11**	①	3042544	10
	12	gray	**SC 4/12**	①	3042557	10
	13	gray	**SC 4/13**	①	3042560	10
	14	gray	**SC 4/14**	①	3042573	10
	15	gray	**SC 4/15**	①	3042586	10
COMBI coupling, for self-assembly	1	gray				
	1	blue				
	1	green-yellow				

Ordering data: Type		Order No.	Pcs./Pkt.
SC 4/ 1-L	①	3042599	50
SC 4/ 1-L BU	①	3042609	50
SC 4/ 1-L GNYE	①	3042612	50

Accessories[1])			
Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Cover, 3.2 mm width	gray			
Strain relief, for SC 4... receptacle, 2-pos.	black	**CZ/2**	3043831	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	3040588	50

Accessories[1])			
MPS-MT	0201744	10
MPS-IH RD	0201676	10
D-SC 4	3043307	50
CZ/2	3043831	50
PC	3040588	50

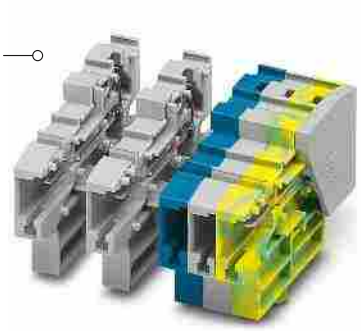
Couplings

Notes:
1) For additional accessories and technical data, see page 338.
2) For derating curve, visit phoenixcontact.net/products

① —○

32 A, coupling with securing pin

① —○



32 A, coupling with securing pin, for self-assembly

EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2 x No. of pos.	**48.6**	**31**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	**800**	**0.08 - 6** / **28-10**
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	800	600	- / -
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	- / - / - / -

Technical data[1])

Width	Length	Height	
6.2 x No. of pos.	**48.6**	**31**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32[2])	**800**	**0.08 - 6**	**28-10**
IEC	UL / CUL	CSA	Ex
800	600	-	-
32[2]) / 4	30 / -	- / -	- / -

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs./Pkt.
COMBI coupling, with securing pin	2	gray	**SC 4-RZ/ 2**	①	3042625	50
	3	gray	**SC 4-RZ/ 3**	①	3042638	50
	4	gray	**SC 4-RZ/ 4**	①	3042641	50
	5	gray	**SC 4-RZ/ 5**	①	3042654	50
	6	gray	**SC 4-RZ/ 6**	①	3042667	25
	7	gray	**SC 4-RZ/ 7**	①	3042670	25
	8	gray	**SC 4-RZ/ 8**	①	3042683	25
	9	gray	**SC 4-RZ/ 9**	①	3042696	25
	10	gray	**SC 4-RZ/10**	①	3042706	25
	11	gray	**SC 4-RZ/11**	①	3043323	10
	12	gray	**SC 4-RZ/12**	①	3043336	10
	13	gray	**SC 4-RZ/13**	①	3043349	10
	14	gray	**SC 4-RZ/14**	①	3043352	10
	15	gray	**SC 4-RZ/15**	①	3043365	10
COMBI coupling, with securing pin, for self-assembly	1	gray				
	1	blue				
	1	green-yellow				

Ordering data

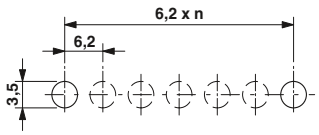
Type		Order No.	Pcs./Pkt.
SC 4-RZ/ 1-L	①	3043378	50
SC 4-RZ/ 1-L BU	①	3043381	50
SC 4-RZ/ 1-L GNYE	①	3043394	50

Accessories[1])

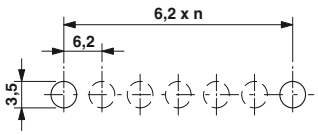
Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Cover, 3.2 mm width	gray			
Strain relief, for SC 4... receptacle, 2-pos.	black	**CZ/2**	3043831	50
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	3040588	50

Accessories[1])

MPS-MT	0201744	10
MPS-IH RD	0201676	10
D-SC 4	3043307	50
CZ/2	3043831	50
PC	3040588	50



Drilling plan example: 1 x SC 4-RZ/ 6

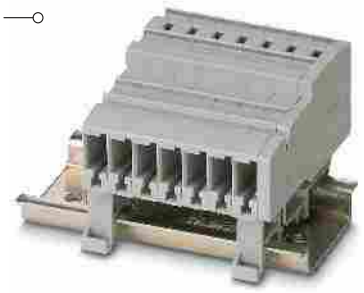


Drilling plan example: 6 x SC 4-RZ/ 1-L

Couplings

Notes:
1) For additional accessories and technical data, see page 338.
2) For derating curve, visit phoenixcontact.net/products

①



32 A, coupling for DIN rail mounting

Panel feed-through

EAC

Technical data[1])			
Width	Length	Height	
6.2	**48.6**	**35.6 (NS 35/7,5) / 35.6 (NS 15)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32[2])	**800**	**0.08 - 6**	**28-10**
IEC	UL / CUL	CSA	Ex
800	600	-	-
32[2]) / 4	30 / -	- / -	- / -

Ordering data			
Type		**Order No.**	Pcs./Pkt.
SC 4-NS/ 1-L	①	3043404	50

Accessories[1])			
D-SC 4		3043307	50

EAC

Technical data[1])			
Width	Length	Height	
5.2	**-**		
		max. Ø [mm²]	AWG (UL)
		-	**-**
IEC	UL / CUL	CSA	Ex
-	-	-	-
-	- / -	- / -	- / -

Ordering data		
Type	**Order No.**	Pcs./Pkt.
SSL 2,5	3043815	50

Accessories[1])		
PC	3040588	50

Description	Color
COMBI coupling	gray
Panel feed-through, for snapping on to receptacles, 1 SSL 2.5 consists of a left-hand and a right-hand element, for metal thicknesses of 0.8 - 3 mm	gray
Cover, 3.2 mm width	gray
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red

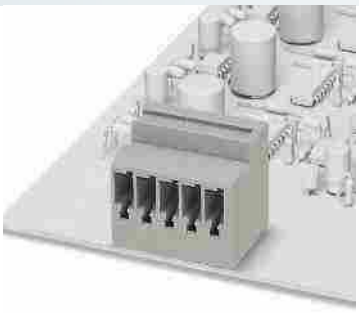
Dimensions	
	[mm]
Maximum electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

4 mm² COMBI ST plug-in connection solutions

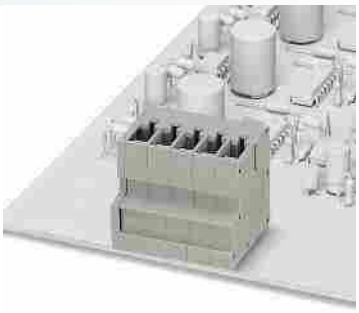
COMBI headers for PCB connection

Notes:

For additional accessories and technical data, see page 364 or visit phoenixcontact.net/products



32 A, header, horizontal plug-in direction



32 A, header, vertical plug-in direction

Technical data

Dimensions					
	[mm]	Width	Length	Height	
		14.45	**25.1**	**29.45**	
Maximum electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG (UL)
		32		**-**	**-**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	20 / -	-	-
Rated cross section	[mm²]	4	-	-	-
General data					
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs./Pkt.
COMBI header						
	2	14.45 mm	gray	**ST 4-PCB/ 2-G-6,2**	1980598	50
	3	20.65 mm	gray	**ST 4-PCB/ 3-G-6,2**	1980608	50
	4	26.85 mm	gray	**ST 4-PCB/ 4-G-6,2**	1980611	50
	5	33.05 mm	gray	**ST 4-PCB/ 5-G-6,2**	1980624	50
	6	39.25 mm	gray	**ST 4-PCB/ 6-G-6,2**	1980637	50
	7	45.45 mm	gray	**ST 4-PCB/ 7-G-6,2**	1980640	50
	8	51.65 mm	gray	**ST 4-PCB/ 8-G-6,2**	1980653	50
	9	57.85 mm	gray	**ST 4-PCB/ 9-G-6,2**	1980666	50
	10	64.05 mm	gray	**ST 4-PCB/10-G-6,2**	1980679	50
	11	70.25 mm	gray	**ST 4-PCB/11-G-6,2**	1980682	50
	12	76.45 mm	gray	**ST 4-PCB/12-G-6,2**	1980695	50

Technical data

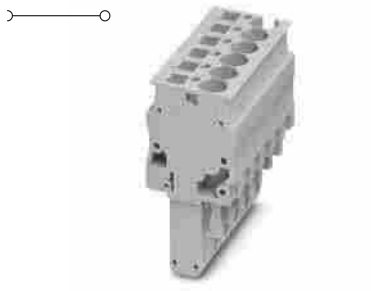
Dimensions					
	[mm]	Width	Length	Height	
		12.4	**26**	**25.1**	
Maximum electrical data		$I_{max.}$ [A]		max. Ø [mm²]	AWG (UL)
		32		**-**	**-**
Rated data		IEC	UL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	20 / -	-	-
Rated cross section	[mm²]	4	-	-	-
General data					
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

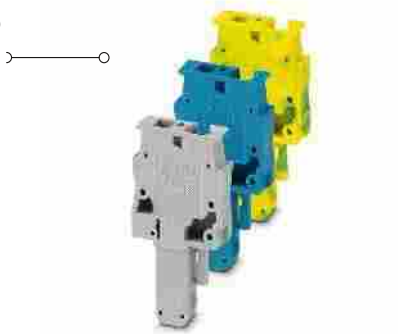
Description	No. of pos.	Width	Color	Type	Order No.	Pcs./Pkt.
COMBI header						
	2	12.4 mm	gray	**ST 4-PCBV/ 2-G-6,2**	1980705	50
	3	18.6 mm	gray	**ST 4-PCBV/ 3-G-6,2**	1980718	50
	4	24.8 mm	gray	**ST 4-PCBV/ 4-G-6,2**	1980721	50
	5	31 mm	gray	**ST 4-PCBV/ 5-G-6,2**	1980734	50
	6	37.2 mm	gray	**ST 4-PCBV/ 6-G-6,2**	1980747	50
	7	43.4 mm	gray	**ST 4-PCBV/ 7-G-6,2**	1980750	50
	8	49.6 mm	gray	**ST 4-PCBV/ 8-G-6,2**	1980763	50
	9	55.8 mm	gray	**ST 4-PCBV/ 9-G-6,2**	1980776	50
	10	62 mm	gray	**ST 4-PCBV/10-G-6,2**	1980789	50
	11	68.2 mm	gray	**ST 4-PCBV/11-G-6,2**	1980792	50
	12	74.4 mm	gray	**ST 4-PCBV/12-G-6,2**	1980802	50

COMBI connectors

Notes:
1) For additional accessories and technical data, see page 338.
2) For derating curve, visit phoenixcontact.net/products

① 

32 A, connector, connection in plug-in direction

① 

32 A, connector, connection in plug-in direction, for self-assembly

EAC

EAC

Technical data[1]				
Dimensions	Width	Length	Height	Height plugged
[mm]	**6.2 x No. of pos.**	**21**	**41.5**	**24**
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	32	**800**	**0.08 - 6**	**28-10**
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	800	600	600	-
Nominal current / cross section [A] / [mm²]	32 / 4	30 / -	30 / -	- / -

Technical data[1]				
Width	Length	Height	Height plugged	
6.2 x No. of pos.	**21**	**41.5**	**24**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
32[2])	**800**	**0.08 - 6**	**28-10**	
IEC	UL / CUL	CSA	Ex	
800	600	600	-	
32[2]) / 4	30 / -	30 / -	- / -	

Description	No. of pos.	Width	Color	Ordering data: Type		Order No.	Pcs./Pkt.	Ordering data: Type		Order No.	Pcs./Pkt.
COMBI connectors	1	6.2 mm	gray	**SP 4/ 1**	①	3042887	50				
	2	12.4 mm	gray	**SP 4/ 2**	①	3042890	50				
	3	18.6 mm	gray	**SP 4/ 3**	①	3042900	50				
	4	24.8 mm	gray	**SP 4/ 4**	①	3042926	50				
	5	31 mm	gray	**SP 4/ 5**	①	3042939	50				
	6	37.2 mm	gray	**SP 4/ 6**	①	3042942	25				
	7	43.4 mm	gray	**SP 4/ 7**	①	3042955	25				
	8	49.6 mm	gray	**SP 4/ 8**	①	3042968	25				
	9	55.8 mm	gray	**SP 4/ 9**	①	3042971	25				
	10	62 mm	gray	**SP 4/10**	①	3042984	25				
	11	68.2 mm	gray	**SP 4/11**	①	3042997	10				
	12	74.4 mm	gray	**SP 4/12**	①	3043006	10				
	13	80.6 mm	gray	**SP 4/13**	①	3043718	10				
	14	86.8 mm	gray	**SP 4/14**	①	3043721	10				
	15	93 mm	gray	**SP 4/15**	①	3043734	10				
	1	6.2 mm	blue	**SP 4/1 BU**	①	3061033	50				
	1	6.2 mm	green-yellow	**SP 4/1 GNYE**	①	3061046	50				
COMBI connector, left element	1	6.2 mm	gray					**SP 4/ 1-L**	①	3042751	50
	1	6.2 mm	blue					**SP 4/ 1-L BU**	①	3042764	50
	1	6.2 mm	green-yellow					**SP 4/ 1-L GNYE**	①	3042777	50
COMBI connector, center element	1	6.2 mm	gray					**SP 4/ 1-M**	①	3042780	50
	1	6.2 mm	blue					**SP 4/ 1-M BU**	①	3042793	50
	1	6.2 mm	green-yellow					**SP 4/ 1-M GNYE**	①	3042803	50
COMBI connector, right element	1	6.2 mm	gray					**SP 4/ 1-R**	①	3042816	50
	1	6.2 mm	blue					**SP 4/ 1-R BU**	①	3042829	50
	1	6.2 mm	green-yellow					**SP 4/ 1-R GNYE**	①	3042832	50

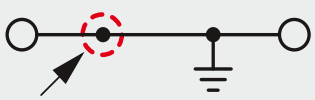
Accessories[1]				Accessories[1]			
Test plug metal part, 2.3 mm Ø gray	**MPS-MT**	0201744	10	**MPS-MT**	0201744	10	
Insulating sleeve, for MPS metal part red	**MPS-IH RD**	0201676	10	**MPS-IH RD**	0201676	10	
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos. orange	**PRZ**	3040614	50	**PRZ**	3040614	50	
Latching, for connectors, 1-pos. orange	**PR**	3040559	50	**PR**	3040559	50	
2-pos. orange	**PR/2**	3040630	50	**PR/2**	3040630	50	
Strain relief, for plugs, 2-pos. black	**PZ/2**	3040627	50	**PZ/2**	3040627	50	

6 mm² COMBI PT plug-in connection solutions

General technical data

Rated data		IEC 61984			
Rated cross section	[mm²]	6			
Cross section range	AWG	20 - 8			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
Connection cross sections directly plug-in	[mm²]	1 - 10	-	1 - 6	1 - 6
General data					
Stripping length	[mm]	12			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			
Note: Additional or deviating data is listed alongside the respective product.					

Notes:



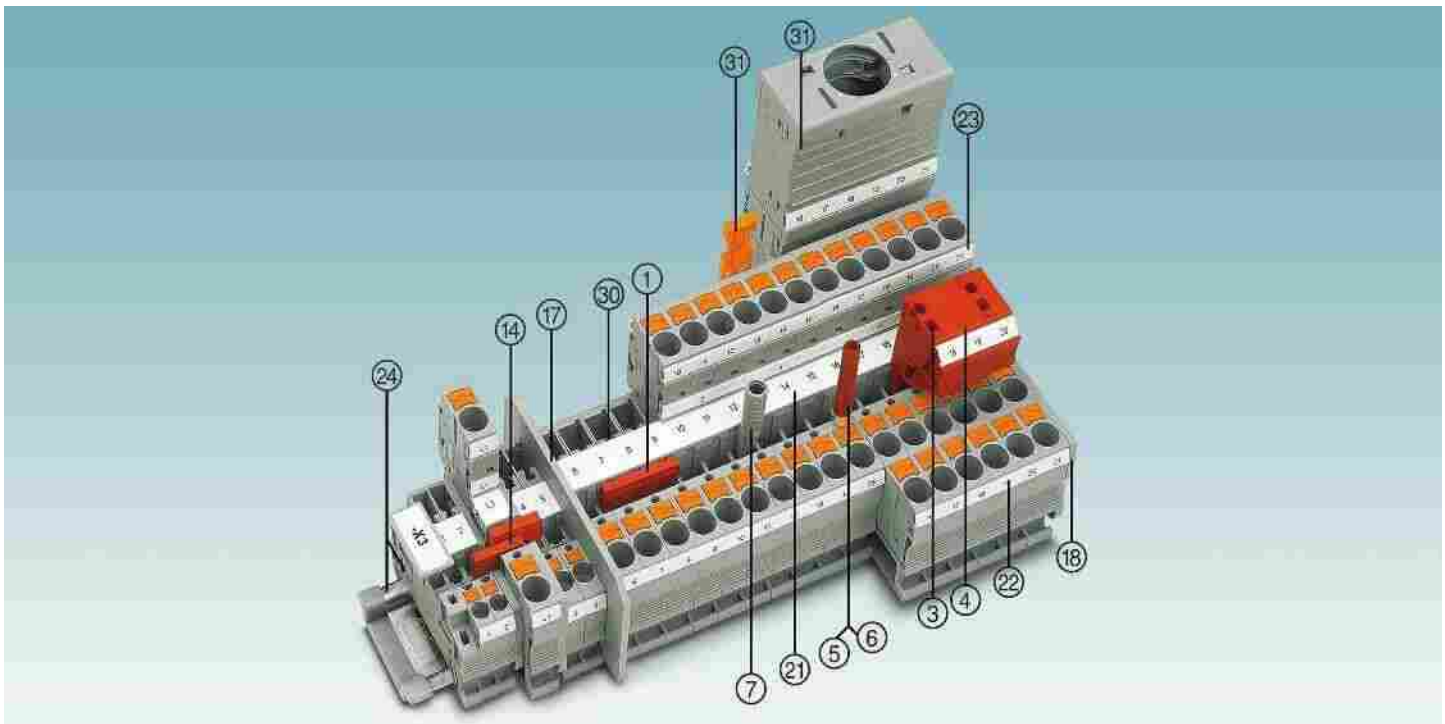
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories

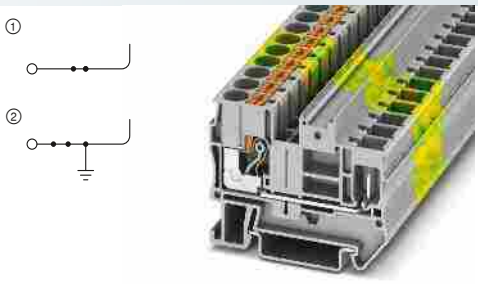


Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-8**	3030284	10	**FBSR 2-8**	3033808	10
	3	red	**FBS 3-8**	3030297	10	**FBSR 3-8**	3001597	10
	4	red	**FBS 4-8**	3030307	10	**FBSR 4-8**	3000585	10
	5	red	**FBS 5-8**	3030310	10	**FBSR 5-8**	3033809	10
	10	red	**FBS 10-8**	3030323	10	**FBSR 10-8**	3001599	10
	16	red				**FBSR 16-8**	3033816	10
③ **Modular test plug**		red	**PS-8**	3031005	10			
Spacer plate		red	**DP PS-8**	3036741	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Coding profile		red	**PC**	3040588	50			
Screwdriver			**SZF 2-0,8X4,0**	1204520	10			

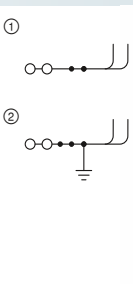
Reducing bridge	**For RB ..., see page 408.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Center groove labeling	**UC-TM 8, UCT-TM 8 or ZB 8. See also Catalog 3, selection tables, from page 60.**
Center and side groove labeling	**UC-TMF 8, UCT-TMF 8 or ZBF 8. See also Catalog 3, selection tables, from page 60.**
Lateral groove labeling	**UC-TMF 8, UCT-TMF 8 or ZBF 8. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
Latching, strain relief, shielding	**See page 362.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

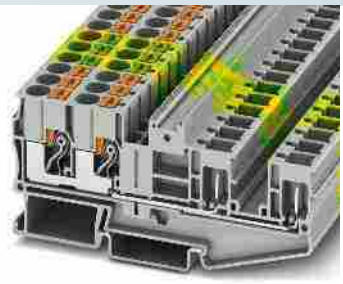
Feed-through, multi-conductor, and ground terminal blocks

Notes:
1) For additional accessories and technical data, see page 346.
2) For derating curve, visit phoenixcontact.net/products



41 A, feed-through terminal block





41 A, feed-through terminal block, 4 connections

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	57.7	43.5 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		41[2])	1000	0.5 - 10 / 20-8
Maximum bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	1000	600	600 / -
Nominal current / cross section	[A] / [mm²]	41[2]) / 6	40 / -	40 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**PT 6/1P**	①	3061758	50
	blue	**PT 6/1P BU**	①	3061761	50
Ground terminal	green-yellow	**PT 6/1P-PE**	②	3061774	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PT 6**	3212044	50

Technical data[1])

Width	Length	Height		
8.2	99.8	43.5 (NS 35/7,5)		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
41[2])	1000	0.5 - 10	20-8	
41 (FBS) / 32 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000	600	600	-	
41[2]) / 6	40 / -	40 / -	- / -	

Ordering data

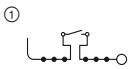
Type		Order No.	Pcs./Pkt.
PT 6-QUATTRO/2P	①	3061826	50
PT 6-QUATTRO/2P BU	①	3061839	50
PT 6-QUATTRO/2P-PE	②	3061842	50

Accessories[1])

D-PT 6-QUATTRO/2P	3061855	50

Test disconnect terminal blocks

Notes:
1) For additional accessories and technical data, see page 346.
2) For derating curve, visit phoenixcontact.net/products
For pre-assembled bridges, see phoenixcontact.net/products



30 A, test disconnect terminal block

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	99.4	49.6 (NS 35/7,5)
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30[2])	500	0.5 - 10 / 20-8
Maximum bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	30[2]) / 6	30 / -	30 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 35...	gray	**PTME 6/1P**	①	3212306	50

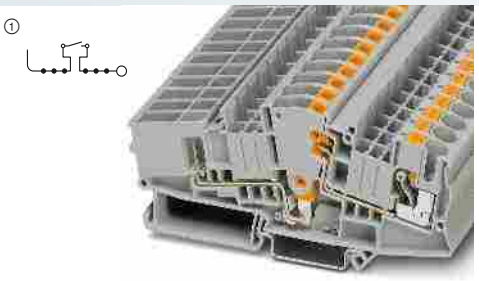
Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTME 6/1P**	3212307	10

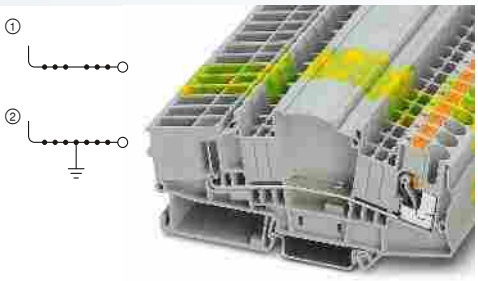
Test disconnect terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 346.



30 A, current transformer disconnect terminal block, for short-circuit plugs



30 A, feed-through terminal block, for short-circuit plugs

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
8.2	**114.9**	**49.6 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30	**500**	**0.5 - 10**	**20-8**
41 (FBS) / 32 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
30 / 6	30 / -	30 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Disconnect terminal block	gray	**PTME 6-CT/1P**	①	3212300	50
Feed-through terminal block	gray				
Ground terminal	green-yellow				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PTME 6-CT/1P**	3212303	10

Technical data[1])

Width	Length	Height	
8.2	**114.9**	**49.6 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30	**500**	**0.5 - 10**	**20-8**
41 (FBS) / 32 (FBSR)			
IEC	UL / CUL	CSA	Ex
500	600	600	-
30 / 6	30 / -	30 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PTMED 6-CT/1P	①	3212301	50
PTMED 6-CT/1P-PE	②	3212302	50

Accessories[1])

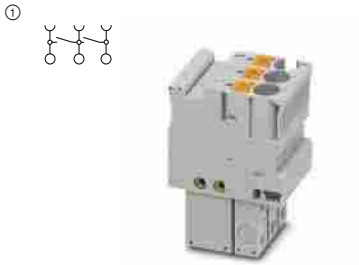
D-PTME 6-CT/1P	3212303	10

Connectors, with integrated short-circuit function

Notes:

[1]) For additional accessories and technical data, see page 346.

20 A, connector, 2-pos.



20 A, connector, 3-pos.

Dimensions	
	[mm]
Maximum electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
16.4	**38.5**	**48.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**320**	**0.5 - 10**	**20-8**
IEC	UL / CUL	CSA	Ex
320	600	600	-
20 / 6	30 / -	30 / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
COMBI connector, with integrated short-circuit function, 2-pos.	gray	**PPCT 6/2**	①	3212304	10
3-pos.	gray				

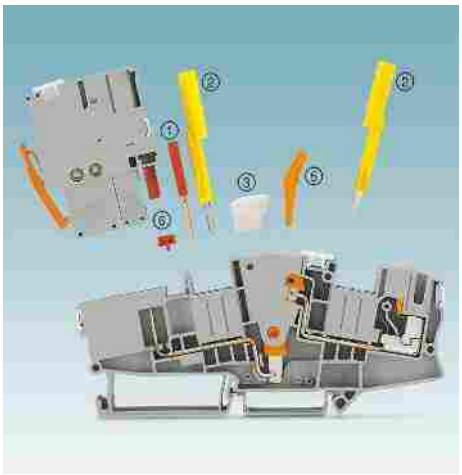
Technical data[1])

Width	Length	Height	
24.6	**38.5**	**48.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**320**	**0.5 - 10**	**20-8**
IEC	UL / CUL	CSA	Ex
320	600	600	-
20 / 6	30 / -	30 / -	- / -

Ordering data

Type		Order No.	Pcs./Pkt.
PPCT 6/3	①	3212305	10

Supplementary accessories for PTME 6-CT/1P test disconnect terminal blocks



– A current transformer measuring circuit can be created using just two PTME 6-CT/1P
– Less space required compared to creating circuits with slide-type terminal blocks

① FBS... plug-in bridge for cross connection
② 4 mm Ø PAI-4-FIX... test plug adapter
③ S-ME 6 switching lock
SB-ME... bridge bar
C−ME 6/2 operating lever
PC-CT 6... coding set

Notes:

[1]) The coding set can be used to code up to 30 plugs.

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.
Test adapter, for 4-mm-Ø safety test connector, snapped into bridge shaft	1	orange	**PAI-4-FIX OG**	3034455	10
	1	yellow	**PAI-4-FIX YE**	3032745	10
	1	green	**PAI-4-FIX GN**	3032758	10
	1	violet	**PAI-4-FIX VT**	3032761	10
	1	black	**PAI-4-FIX BK**	3032774	10
	1	blue	**PAI-4-FIX BU**	3032729	10
	1	red	**PAI-4-FIX RD**	3032732	10
	1	gray	**PAI-4-FIX GY**	3032790	10
	1	brown	**PAI-4-FIX BN**	3032787	10
	1	white	**PAI-4-FIX WH**	3032797	10
Switching lock, plug-in		white	**S-ME 6**	3034439	10
Switching bridge, plug-in	2	gray/orange	**SB-ME 2-8**	3034468	10
	3	gray/orange	**SB-ME 3-8**	3032800	10
	4	gray/orange	**SB-ME 4-8**	3034484	10
Operating lever, for actuating test disconnect terminal blocks	1	orange	**C-ME 6/1**	3034441	10
	2	orange	**C-ME 6/2**	3034442	10
	3	orange	**C-ME 6/3**	3034390	50
Coding set, for 2-pos. plugs[1])		red	**PC-CT 6/2**	3212308	1

Couplings

Notes:

[1]) For additional accessories and technical data, see page 346.

[2]) For derating curve, visit phoenixcontact.net/products

① —○

41 A, coupling

① —○

41 A, coupling, for self-assembly

Technical data[1])

Dimensions				
	Width	Length	Height	
[mm]	**8.2 x No. of pos.**	**47**	**24.7**	
Maximum electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	41	**1000**	**0.5 - 10**	**20-8**
Rated data				
	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000	600	600	-
Nominal current / cross section [A] / [mm²]	41 / 6	40 / -	36 / -	- / -

Technical data[1])

	Width	Length	Height	
	8.2 x No. of pos.	**47**	**24.7**	
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	41[2])	**1000**	**0.5 - 10**	**20-8**
	IEC	UL / CUL	CSA	Ex
	1000	600	600	-
	41[2]) / 6	40 / -	36 / -	- / -

Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs./Pkt.
COMBI coupling	2	16.4 mm	gray	**PPC 6/2**	①	3000693	25
	3	24.6 mm	gray	**PPC 6/3**	①	3000694	25
	4	32.8 mm	gray	**PPC 6/4**	①	3000695	25
	5	41 mm	gray	**PPC 6/5**	①	3000697	25
	6	49.2 mm	gray	**PPC 6/6**	①	3000698	25
	7	57.4 mm	gray	**PPC 6/7**	①	3000699	25
	8	65.6 mm	gray	**PPC 6/8**	①	3000700	25
	9	73.8 mm	gray	**PPC 6/9**	①	3000701	25
	10	82 mm	gray	**PPC 6/10**	①	3000702	25
COMBI coupling, for self-assembly	1	8.2 mm	gray	**PPC 6/1-L**	①	3000690	50
	1	8.2 mm	blue	**PPC 6/1-L BU**	①	3000691	50
	1	8.2 mm	green/yellow	**PPC 6/1-L GNYE**	①	3000692	50

Ordering data

Type		Order No.	Pcs./Pkt.
PPC 6/1-L	①	3000690	50
PPC 6/1-L BU	①	3000691	50
PPC 6/1-L GNYE	①	3000692	50

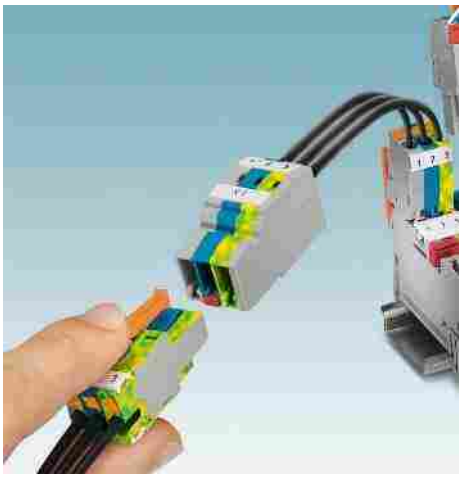
Accessories[1])

Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10
Cover, width: 2.2 mm	gray	**D-PPC 6**	3000703	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	3040588	50
Strain relief, for plugs, 2-pos.	black	**PZ/2**	3040627	50

Accessories[1])

MPS-MT	0201744	10
MPS-IH RD	0201676	10
D-PPC 6	3000703	10
PC	3040588	50
PZ/2	3040627	50

Couplings



– The panel feed-through can be used to securely fasten free-hanging PPC 6 couplings in panel cutouts
– The panel feed-through elements are snapped onto the free-hanging receptacles, and pushed into the panel cutout where they snap in automatically

Notes:

[1]) For additional accessories and technical data, see page 346.

①

41 A, coupling for DIN rail mounting

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		8.2	**43**	**38 (NS 35/7,5) / 38 (NS 15)**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41	**1000**	**0.5 - 10**	**20-8**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	-
Nominal current / cross section	[A] / [mm²]	41 / 6	40 / -	36 / -	- / -

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
COMBI coupling	gray	**PPC 6-NS/1-L** ①	3000689	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-PPC 6**	3000703	10
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	3040588	50
Strain relief, for plugs, 2-pos.	black	**PZ/2**	3040627	50

COMBI connectors

Notes:

[1]) For additional accessories and technical data, see page 346.

[2]) For derating curve, visit phoenixcontact.net/products

① ——○

41 A, connector, connection in plug-in direction

① ——○

41 A, connector, connection in plug-in direction, for self-assembly

EAC

EAC

Technical data[1])								
Dimensions	Width	Length	Height	Height plugged	Width	Length	Height	Height plugged
[mm]	**8.2 x No. of pos.**	**21**	**49.3**	**31.2**	**8.2 x No. of pos.**	**21**	**49.3**	**31.2**
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	41[2])	**1000**	**0.5 - 10**	**20-8**	**41[2])**	**1000**	**0.5 - 10**	**20-8**
Rated data	IEC	UL / CUL	CSA	Ex	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000	600	600	-	1000	600	600	-
Nominal current / cross section [A] / [mm²]	41[2]) / 6	40 / -	40 / -	- / -	41[2]) / 6	40 / -	40 / -	- / -

Description	No. of pos.	Width	Color	Ordering data: Type		Order No.	Pcs./Pkt.	Ordering data: Type		Order No.	Pcs./Pkt.
COMBI connectors	1	8.2 mm	gray	**PP-H 6/ 1**	①	3061541	50				
	2	16.4 mm	gray	**PP-H 6/ 2**	①	3061570	50				
	3	24.6 mm	gray	**PP-H 6/ 3**	①	3061583	50				
	4	32.8 mm	gray	**PP-H 6/ 4**	①	3061596	50				
	5	41 mm	gray	**PP-H 6/ 5**	①	3061606	50				
	6	49.2 mm	gray	**PP-H 6/ 6**	①	3061619	25				
	7	57.4 mm	gray	**PP-H 6/ 7**	①	3061622	25				
	8	65.6 mm	gray	**PP-H 6/ 8**	①	3061635	25				
	9	73.8 mm	gray	**PP-H 6/ 9**	①	3061648	25				
	10	82 mm	gray	**PP-H 6/10**	①	3061651	25				
	1	8.2 mm	blue	**PP-H 6/ 1 BU**	①	3061554	50				
	1	8.2 mm	green-yellow	**PP-H 6/ 1 GNYE**	①	3061567	50				
COMBI connector, left element	1	8.2 mm	gray					**PP-H 6/ 1-L**	①	3061664	50
	1	8.2 mm	blue					**PP-H 6/ 1-L BU**	①	3061677	50
	1	8.2 mm	green/yellow					**PP-H 6/ 1-L GNYE**	①	3061680	50
COMBI connector, center element	1	8.2 mm	gray					**PP-H 6/ 1-M**	①	3061693	50
	1	8.2 mm	blue					**PP-H 6/ 1-M BU**	①	3061703	50
	1	8.2 mm	green/yellow					**PP-H 6/ 1-M GNYE**	①	3061716	50
COMBI connector, right element	1	8.2 mm	gray					**PP-H 6/ 1-R**	①	3061729	50
	1	8.2 mm	blue					**PP-H 6/ 1-R BU**	①	3061732	50
	1	8.2 mm	green/yellow					**PP-H 6/ 1-R GNYE**	①	3061745	50

		Accessories[1])			Accessories[1])		
Test plug metal part, 2.3 mm Ø	gray	**MPS-MT**	0201744	10	**MPS-MT**	0201744	10
Insulating sleeve, for MPS metal part	red	**MPS-IH RD**	0201676	10	**MPS-IH RD**	0201676	10
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ**	3040614	50	**PRZ**	3040614	50
Latching, for connectors, 1-pos.	orange	**PR**	3040559	50	**PR**	3040559	50
2-pos.	orange	**PR/2**	3040630	50	**PR/2**	3040630	50
Strain relief, for plugs, 2-pos.	black	**PZ/2**	3040627	50	**PZ/2**	3040627	50
Cable housing, for PP–H 6... COMBI plugs and PPCT 6/..., 2-pos.	gray	**PH 6/2**	3000680	25	**PH 6/2**	3000680	25
3-pos.	gray	**PH 6/3**	3000681	25	**PH 6/3**	3000681	25
4-pos.	gray	**PH 6/4**	3000682	25	**PH 6/4**	3000682	25
5-pos.	gray	**PH 6/5**	3000683	25	**PH 6/5**	3000683	25
6-pos.	gray	**PH 6/6**	3000684	10	**PH 6/6**	3000684	10
7-pos.	gray	**PH 6/7**	3000685	10	**PH 6/7**	3000685	10

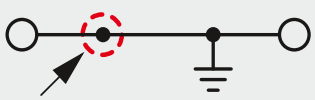
6 mm² COMBI UT plug-in connection solutions

General technical data

Rated data		IEC 61984			
Rated cross section	[mm²]	6			
Cross section range	AWG	24 - 8			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 4
General data					
Stripping length	[mm]	10			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

Notes:



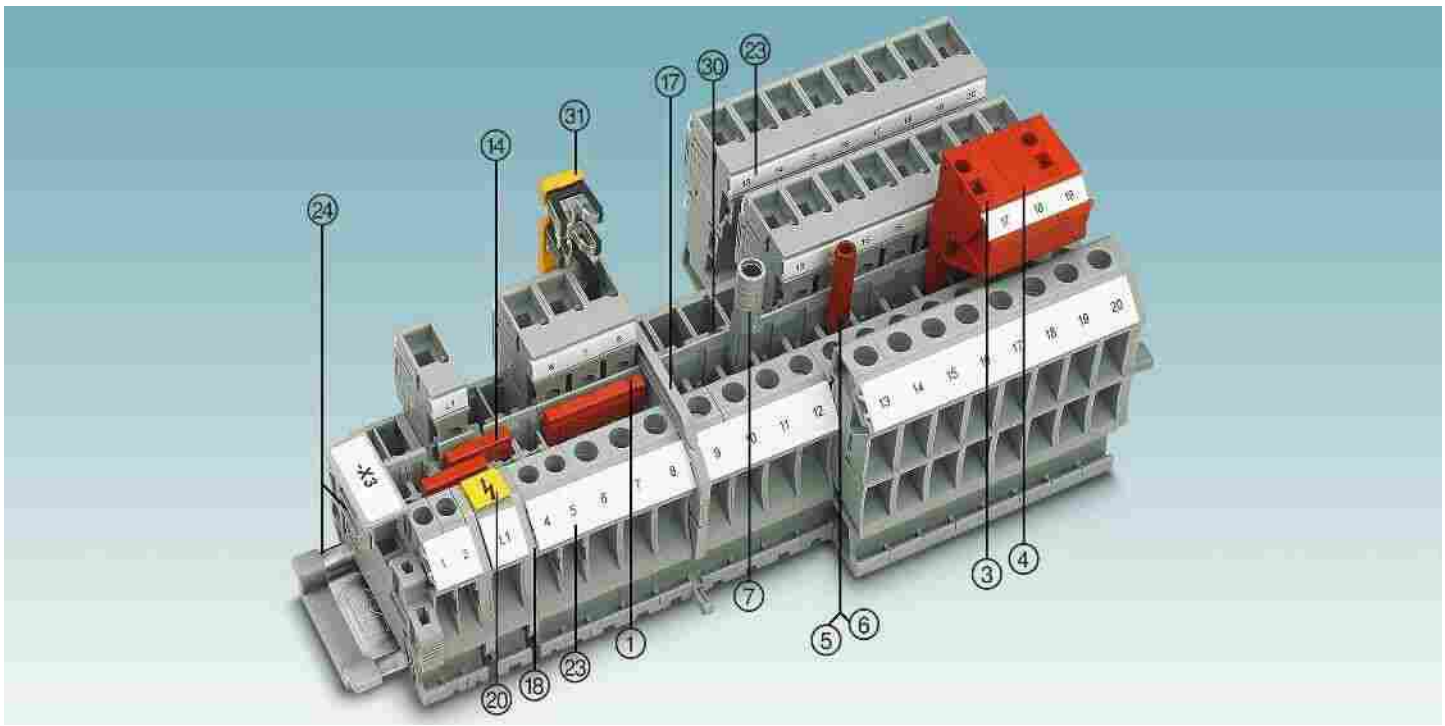
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories

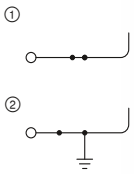


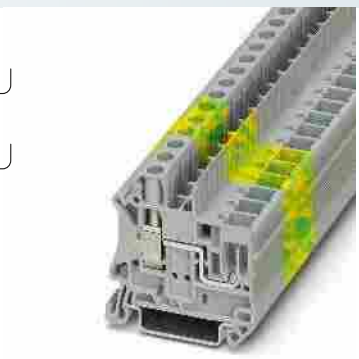
Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-8**	3030284	10	**FBSR 2-8**	3033808	10
	3	red	**FBS 3-8**	3030297	10	**FBSR 3-8**	3001597	10
	4	red	**FBS 4-8**	3030307	10	**FBSR 4-8**	3000585	10
	5	red	**FBS 5-8**	3030310	10	**FBSR 5-8**	3033809	10
	10	red	**FBS 10-8**	3030323	10	**FBSR 10-8**	3001599	10
	16	red				**FBSR 16-8**	3033816	10
③ **Modular test plug**		red	**PS-8**	3031005	10			
Spacer plate		red	**DP PS-8**	3036741	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Coding profile		red	**PC**	3040588	50			
Screwdriver			**SZS 1,0X4,0 VDE**	1205066	10			

Reducing bridge	**For RB ..., see page 408.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Warning labels	**For WS ..., see page 420.**
Lateral groove labeling	**Terminal block: UC-TM 8, UCT-TM 8 or ZB 8** **Connector: UC-TMF 8, UCT-TMF 8 or ZBF 8. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
Latching, strain relief, shielding	**See from page 362.**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

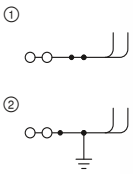
Feed-through, multi-conductor, and ground terminal blocks

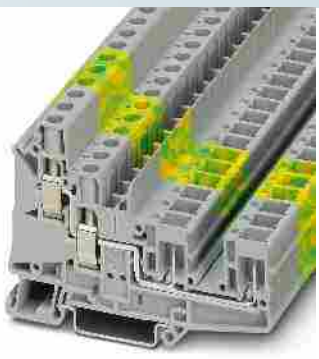
Notes:
1) For additional accessories and technical data, see page 354.
2) For derating curve, visit phoenixcontact.net/products
For screw flange, see page 372.





41 A, feed-through terminal block





41 A, feed-through terminal block, 4 connections

Technical data[1]				
Dimensions	Width	Length	Height	
[mm]	**8.2**	**49.1**	**47.5 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	41[2])	**1000**	**0.2 - 10**	**24-8**
Maximum bridge current [A]	41 (FBS) / 32 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000	600	600	-
Nominal current / cross section [A] / [mm²]	41[2]) / 6	40 / -	50 / -	- / -

Ordering data				
Description / Color	**Type**		**Order No.**	Pcs./Pkt.
Terminal block gray	**UT 6/1P**	①	3060539	50
blue	**UT 6/1P BU**	①	3060542	50
Ground terminal green-yellow	**UT 6/1P-PE**	②	3060555	50

Accessories[1]			
Cover, width: 2.2 mm gray	**D-UT 2,5/1P**	3047154	50

Technical data[1]				
Dimensions	Width	Length	Height	
[mm]	**8.2**	**86.5**	**60 (NS 35/7,5)**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	41[2])	**1000**	**0.2 - 10**	**24-8**
Maximum bridge current [A]	41 (FBS) / 32 (FBSR)			
Rated data	IEC	UL / CUL	CSA	Ex
Rated voltage [V]	1000	600	600	-
Nominal current / cross section [A] / [mm²]	41[2]) / 6	40 / -	50 / -	- / -

Ordering data				
Description / Color	**Type**		**Order No.**	Pcs./Pkt.
Terminal block gray	**UT 6-QUATTRO/2P**	①	3060568	50
blue	**UT 6-QUATTRO/2P BU**	①	3060571	50
Ground terminal green-yellow	**UT 6-QUATTRO/2P-PE**	②	3060584	50

Accessories[1]			
Cover, width: 2.2 mm gray	**D-UT 6-QUATTRO/2P**	3060607	50

COMBI connectors

- When it comes to the connectors, as is the case with the basic terminal blocks, the right connection technology is available for every application
- Comprehensive, optional snap-on accessories available
- Practical coding facility
- Large-surface marking options
- The screw connectors can be combined with COMBI terminal blocks with all forms of connection technology and are available in two versions

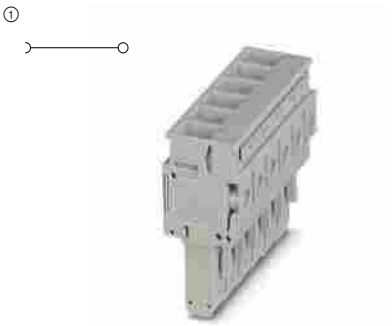
UP ... connectors

- Screw actuation from the side
- Conductor connected from above
- The connector design enables a space-saving potential distribution by using four-conductor terminal blocks with 2 slots

Notes:

[1]) For additional accessories and technical data, see page 354.

[2]) For derating curve, visit phoenixcontact.net/products



41 A, connector, connection in plug-in direction

Technical data[1])

Dimensions	
	[mm]

Maximum electrical data	

Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Connection capacity	
1 conductor	[mm²]

Width	Length	Height	Height plugged
8.2 x No. of pos.	**21**	**42.7**	**26**

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41[2])	**1000**	**0.2 - 10**	**24-8**

IEC	UL / CUL	CSA	Ex
1000	600	600	-
41[2]) / 6	40 / -	50 / -	- / -

Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 10	0.25 - 6	0.25 - 6

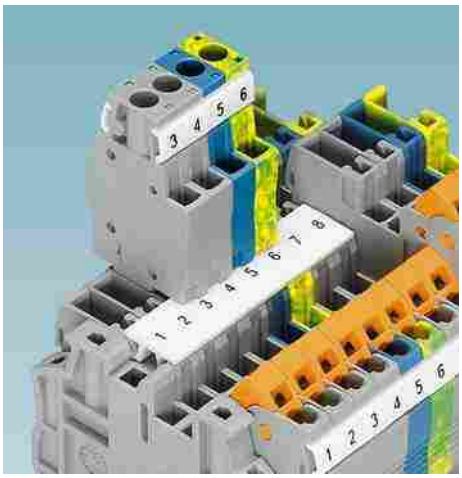
Ordering data

Description	No. of pos.	Width	Color	Type		Order No.	Pcs./Pkt.
Connector	1	8.2 mm	gray	**UP 6/ 1**	①	3060610	50
	2	16.4 mm	gray	**UP 6/ 2**	①	3060623	50
	3	24.6 mm	gray	**UP 6/ 3**	①	3060636	50
	4	32.8 mm	gray	**UP 6/ 4**	①	3060649	25
	5	41 mm	gray	**UP 6/ 5**	①	3060652	25
	6	49.2 mm	gray	**UP 6/ 6**	①	3060665	25
	7	57.4 mm	gray	**UP 6/ 7**	①	3060678	25
	8	65.6 mm	gray	**UP 6/ 8**	①	3060681	25
	9	73.8 mm	gray	**UP 6/ 9**	①	3060694	25
	10	82 mm	gray	**UP 6/10**	①	3060704	25
	1	8.2 mm	blue	**UP 6/ 1 BU**	①	3060717	50
	1	8.2 mm	green-yellow	**UP 6/ 1 GNYE**	①	3060720	50

Accessories[1])

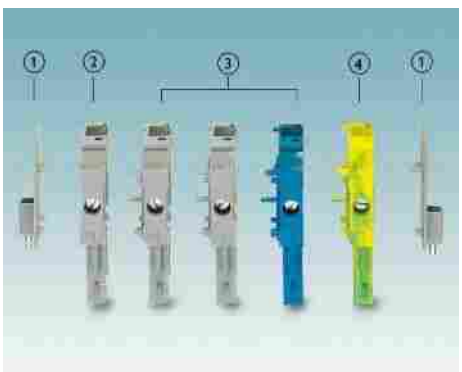
Strain relief, for plugs, 2-pos.	black	**PZ/2**		3040627	50
Latching, for connectors, 1-pos.	orange	**PR**		3040559	50
2-pos.	orange	**PR/2**		3040630	50
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ**		3040614	50
Screw flange cover, for COMBI connector UP 6	gray	**DF-UP 6**		3060856	50

COMBI connectors for self-assembly



- The COMBI connectors for self-assembly provide solutions that users can implement themselves
- The connectors are snapped together from one-position connector elements directly on site
- The screw connectors can be combined with COMBI terminal blocks with all forms of connection technology and are available in two versions
- The plug is assembled directly on site by snapping together single-position connector elements. See below for an example of how these go together

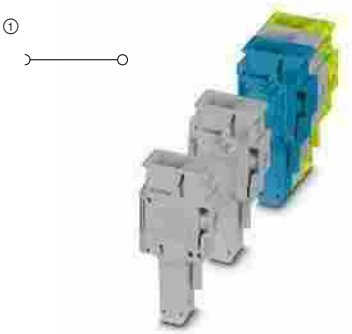
① DF-UP 6
② UP 6/1-L
③ UP 6/1-M and UP 6/1-M BU
UP 6/1-R GNYE



Notes:

[1]) For additional accessories and technical data, see page 354.

[2]) For derating curve, visit phoenixcontact.net/products



41 A, connector, connection in plug-in direction, for self-assembly

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height	Height plugged
		8.2 x No. of pos.	**21**	**42.7**	**26**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41[2])	**1000**	**0.2 - 10**	**24-8**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	600	-
Nominal current / cross section	[A] / [mm²]	41[2]) / 6	40 / -	50 / -	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 10	0.25 - 6	0.25 - 6

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs./Pkt.
Connector, left element	1	gray	**UP 6/ 1-L**	①	3060733	50
	1	blue	**UP 6/ 1-L BU**	①	3060746	50
	1	green-yellow	**UP 6/ 1-L GNYE**	①	3060759	50
Connector, center element	1	gray	**UP 6/ 1-M**	①	3060762	50
	1	blue	**UP 6/ 1-M BU**	①	3060775	50
	1	green-yellow	**UP 6/ 1-M GNYE**	①	3060788	50
Connector, right element	1	gray	**UP 6/ 1-R**	①	3060791	50
	1	blue	**UP 6/ 1-R BU**	①	3060801	50
	1	green-yellow	**UP 6/ 1-R GNYE**	①	3060814	50

Accessories[1])

Strain relief, for plugs, 2-pos.	black	**PZ/2**	3040627	50
Latching, for connectors, 1-pos.	orange	**PR**	3040559	50
2-pos.	orange	**PR/2**	3040630	50
Latching and strain relief systems, for all plugs with conductor exit at top, 2-pos.	orange	**PRZ**	3040614	50
Screw flange cover, for COMBI connector UP 6	gray	**DF-UP 6**	3060856	50

Cross-reference list COMBI accessories

Accessories

Connector	PZ 1,5/S/2 Order No. 3212918	PZ/2 Order No.: 3040627	PZ/4 Order No. 3040643	UPZ/2 Order No. 3045554	PDZ/2 Order No. 3040562	PDZ/4 Order No. 3040575	CZ/2 Order No. 3043831	PRZ-1,5/S Order No. 3212905	PRZ Order No.: 3040614	UPRZ Order No.: 3045570
PP-H 1,5...	■							■		
QP 1,5...		■	■						■	
PP-H 2,5...		■	■						■	
PP 2,5...		■	■						■	
UPBV 2,5...				■						■
SP 2,5...		■	■						■	
SP-H 2,5...		■	■						■	
SPV 2,5...		■	■							
SPB 2,5...		■	■						■	
SPDB 2,5...					■	■				
CP 2,5...										
PP-H 4...		■							■	
UPBV 4...				■						■
UP 4...		■							■	
UPCT 4/...				■						■
SP 4...		■							■	
PP-H 6... PPCT 6/...		■							■	
UP 6...		■							■	

PR-1,5/S Order No.: 3212882	PR-1,5/S/2 Order No.: 3212895	PR Order No.: 3040559	PR/2 Order No. 3040630	PRT/2 Order No.: 3040631	PRV/2 Order No.: 3041862	UPR/2 Order No.: 3045567	PH 1,5/S/... Order No.: 3212...	PH 2,5/... Order No.: 3209...	PH 4/... Order No.: 3000...	PH 6/... Order No.: 3000...	CPSL Order No.: 1069808	CPL Order No.: 1069807	CPS Order No.: 1069806
■	■						■						
		■	■	■									
		■	■	■				■					
		■	■	■									
						■							
		■	■	■									
		■	■	■				■					
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		■	■	■						■			

COMBI plug-in connection solutions – accessories

Cross-reference list COMBI accessories

Coupling		Accessories									
		PZ 1,5/S/2 Order No. 3212918	PZ/2 Order No.: 3040627	PZ/4 Order No. 3040643	UPZ/2 Order No. 3045554	PDZ/2 Order No. 3040562	PDZ/4 Order No. 3040575	CZ/2 Order No. 3043831	PRZ-1,5/S Order No. 3212905	PRZ Order No.: 3040614	UPRZ Order No.: 3045570
	PPC 1,5...	■									
	PPC 2,5...		■	■							
	SC 2,5...					■	■				
	SC 4...							■			
	PPC 6...		■								

PR-1,5/S Order No.: 3212882	PR-1,5/S/2 Order No.: 3212895	PR Order No.: 3040559	PR/2 Order No. 3040630	PRT/2 Order No.: 3040631	PRV/2 Order No.: 3041862	UPR/2 Order No.: 3045567	PH 1,5/S/... Order No.: 3212...	PH 2,5/... Order No.: 3209...	PH 4/... Order No.: 3000...	PH 6/... Order No.: 3000...	CPSL Order No.: 1069808	CPL Order No.: 1069807	CPS Order No.: 1069806

Strain relief for connectors

Notes:
For application options of accessories, refer to page 358.
For corresponding cable ties, see Catalog 3.

– The strain relief can be snapped onto the outside of the connector as an option
– The conductor can be fixed using Phoenix Contact cable ties

Technical data

General data

Material	PA-GF

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Strain relief, for connector and receptacle, 2-pos.	black	**PZ 1,5/S/2**	3212918	50
Strain relief, for connectors, 2-pos.	black	**PZ/2**	3040627	50
4-pos.	black	**PZ/4**	3040643	50
Strain relief, for UPBV... connectors, 2-pos.	black	**UPZ/ 2**	3045554	50

Strain relief for plugs and receptacles

Notes:
For application options of accessories, refer to page 358.
For corresponding cable ties, see Catalog 3.

– The strain relief is snapped into the connector center on the spring-cage connectors or spring-cage couplings
– The conductor can be fixed using Phoenix Contact cable ties

Technical data

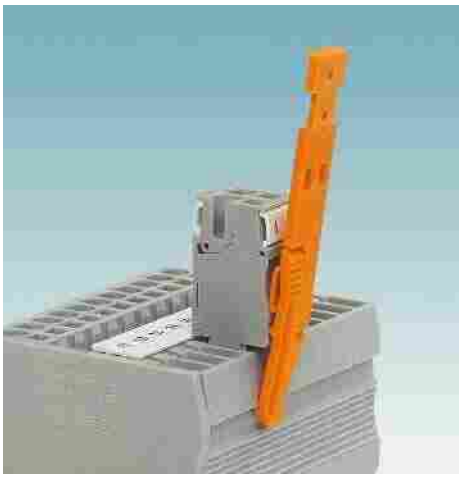
General data

Material	PA-GF

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Strain relief, for SPDB... plug and SC 2,5... receptacle, 2-pos.	black	**PDZ/2**	3040562	50
4-pos.	black	**PDZ/4**	3040575	50
Strain relief, for SC 4... receptacle, 2-pos.	black	**CZ/2**	3043831	50

Snap-lock device and strain relief



- Snap-lock fitting and strain relief in one component
- Can be snapped into connector housing as an option
- The conductor can be fixed using Phoenix Contact cable ties

Notes:

For application options of accessories, refer to page 358.

For corresponding cable ties, see Catalog 3.

Technical data

General data

Material	PA-GF

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Latching and strain relief systems, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ 1,5/S**	3212905	50
Latching and strain relief systems, for all connectors with conductor exit at top, 2-pos.	orange	**PRZ**	3040614	50
Latching and strain relief systems, for UPBV.... connectors, 2-pos.	orange	**UPRZ**	3045570	50

Snap-lock fitting

- Can be used in all connector versions
- It is snapped into the outside of the connector housing and hooks onto the terminal block housing when the connector is snapped on

Notes:

For application options of accessories, refer to page 358.

Technical data

General data

Material	PA-GF

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Latching, for connectors, 1-pos.	orange	**PR 1,5/S**	3212882	50
2-pos.	orange	**PR 1,5/S/2**	3212895	50
Latching, for connectors, 1-pos.	orange	**PR**	3040559	50
2-pos.	orange	**PR/2**	3040630	50
Snap-on, for SPV connectors, 2-pos.	orange	**PRV/2**	3041862	50
Latching, for UPBV connectors, 2-pos.	orange	**UPR/ 2**	3045567	50
Latching, for plugs, release with just a screwdriver	orange	**PRT/2**	3040631	50

Shielding PSH ...

- For connecting shielded cables
- Is snapped into a strain relief once the connector has been wired
- Connected shielded cable is fixed using a cable tie
- The shielding's connecting cable is connected via the plug and then makes direct contact with the terminal block upon connection

Notes:

For corresponding cable ties, see Catalog 3.

Technical data

General data

Material	PA

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shielding, for mounting on PZ/... and PRZ, 2-pos., for cables with 3 ... 6 mm diameter, cable length: 55 mm	black	**PSH 3- 6**	3040591	50
Cable length: 500 mm	black	**PSH 3- 6 500MM**	3061525	10
For cables with 5 ... 10 mm diameter, cable length: 55 mm	black	**PSH 5-10**	3040601	50

Encoding PC

- Can be used in all terminal blocks, receptacles and PCB headers
- The individual coding elements are inserted at the coding position in the basic terminal block and the coding tab is removed at the corresponding point of the plug

Technical data

General data

Material	PC

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Coding star, with 4 coding branches, can be inserted in all basic terminal blocks	red	**PC**	3040588	50

CP ... connector housings

new

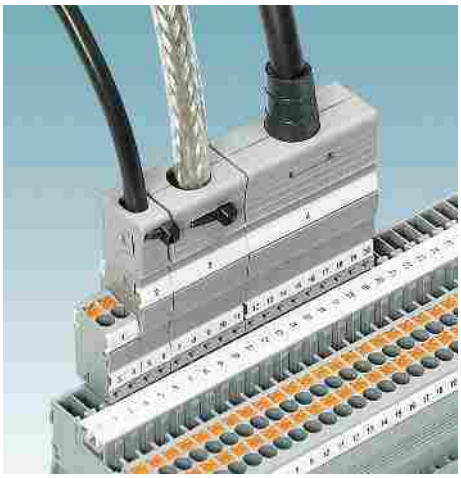
- Connector housing, for accommodating conductors with crimped module socket contacts
- As an alternative to the COMBI connectors, can be used in all plug-in 2.5 mm² terminal blocks of the CLIPLINE complete system, COMBI, see cross-reference list, page 270

Description	Color	Ordering data		
		Type	Order No.	Pcs./Pkt.
Connector housing, for accommodating module socket contacts, partition width: 5.1 mm, 2-pos.	gray	**CP 2,5/2**	3061102	50
3-pos.	gray	**CP 2,5/3**	3061103	50
4-pos.	gray	**CP 2,5/4**	3061104	50
5-pos.	gray	**CP 2,5/5**	3061105	50
6-pos.	gray	**CP 2,5/6**	3061106	50
8-pos.	gray	**CP 2,5/8**	3061108	50
10-pos.	gray	**CP 2,5/10**	3061110	50
		Accessories		
Latching and strain relief systems, for CP... plugs	orange	**CPSL**	1069808	1
Latching, for CP... plugs	orange	**CPL**	1069807	1
Strain relief, for CP... plugs	orange	**CPS**	1069806	1

Cable housings for COMBI connectors

Notes:

For additional accessories, visit phoenixcontact.net/products.



- Robust cable housing for strain relief on connection cables
- Two-section housing
- Easy assembly
- Secure latching on the COMBI plugs and COMBI couplings provided
- Add, as with the connectors, without loss of pitch
- Additional scope for labeling to mark the connectors
- The conductor can be fixed using Phoenix Contact cable ties

Cable housing, 3- to 15-pos., snap-in to PP-H 1,5 plug and PPC 1,5 coupling

EAC

Technical data

General data	
Material	PA

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs./Pkt.
Cable housing, for PP–H 1,5... and PPC 1,5...						
	3	10.5 mm	gray	**PH 1,5/S/3**	3212756	50
	4	14 mm	gray	**PH 1,5/S/4**	3212769	50
	5	17.5 mm	gray	**PH 1,5/S/5**	3212772	50
	6	21 mm	gray	**PH 1,5/S/6**	3212785	25
	7	24.5 mm	gray	**PH 1,5/S/7**	3212798	25
	8	28 mm	gray	**PH 1,5/S/8**	3212808	25
	9	31.5 mm	gray	**PH 1,5/S/9**	3212811	25
	10	35 mm	gray	**PH 1,5/S/10**	3212824	25
	11	38.5 mm	gray	**PH 1,5/S/11**	3212837	10
	12	42 mm	gray	**PH 1,5/S/12**	3212840	10
	13	45.5 mm	gray	**PH 1,5/S/13**	3212853	10
	14	49 mm	gray	**PH 1,5/S/14**	3212866	10
	15	52.5 mm	gray	**PH 1,5/S/15**	3212879	10
Cable housing, for COMBI plugs SP–H ... and PP–H ...						
	2	10.4 mm	gray	**PH 2,5/ 2**	3209691	50
	3	15.6 mm	gray	**PH 2,5/ 3**	3209701	50
	4	20.8 mm	gray	**PH 2,5/ 4**	3209714	50
	5	26 mm	gray	**PH 2,5/ 5**	3209727	50
	6	31.2 mm	gray	**PH 2,5/ 6**	3209730	25
	7	36.4 mm	gray	**PH 2,5/ 7**	3209743	25
	8	41.6 mm	gray	**PH 2,5/ 8**	3209756	25
	9	46.8 mm	gray	**PH 2,5/ 9**	3209507	25
	10	52 mm	gray	**PH 2,5/10**	3209769	25
	11	57.2 mm	gray	**PH 2,5/11**	3209772	10
	12	62.4 mm	gray	**PH 2,5/12**	3209785	10
	13	67.6 mm	gray	**PH 2,5/13**	3209798	10
	14	72.8 mm	gray	**PH 2,5/14**	3209808	10
	15	78 mm	gray	**PH 2,5/15**	3209811	10
Cable housing, for PP–H 4... COMBI plugs						
	2	12.4 mm	gray	**PH 4/2**	3000734	50
	3	18.6 mm	gray	**PH 4/3**	3000736	50
	4	24.8 mm	gray	**PH 4/4**	3000737	50
	5	31 mm	gray	**PH 4/5**	3000738	50
	6	37.2 mm	gray	**PH 4/6**	3000739	25
	7	43.4 mm	gray	**PH 4/7**	3000740	25
	8	49.6 mm	gray	**PH 4/8**	3000741	25
	9	55.8 mm	gray	**PH 4/9**	3000742	25
	10	62 mm	gray	**PH 4/10**	3000743	25
Cable housing, for PP–H 6... COMBI plugs and PPCT 6/...						
	2	16.4 mm	gray	**PH 6/2**	3000680	25
	3	24.6 mm	gray	**PH 6/3**	3000681	25
	4	32.8 mm	gray	**PH 6/4**	3000682	25
	5	41 mm	gray	**PH 6/5**	3000683	25
	6	49.2 mm	gray	**PH 6/6**	3000684	10
	7	57.4 mm	gray	**PH 6/7**	3000685	10

Accessories for cable housings

Bend protection sleeve

Technical data	
General data	
Material	PA 6.6

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Bend protection sleeve	black	**CPH 3-9**	3212015	25
	black	**CPH 4-12**	3212028	25
	black	**CPH 9-15**	3000768	25

Accessories for cable housings

Cable clamp

Technical data	
General data	
Material	Steel, galvanized

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cable clamp	silver	**HSR**	3212031	25
	silver	**HSR 6/8**	3000769	25

Shield connection

Technical data	
	Metal

Ordering data

Type	Order No.	Pcs./Pkt.
HSH-METALL	3210910	50
HSH-METALL-6/8	3000770	25

Cross-reference list
Cable housing accessories

Cable housing

			Cable diameter [mm]	Accessories: CPH 3-9 Order No. 3212905	Cable diameter [mm]	Accessories: CPH 4-12 Order No. 3040614	Cable diameter [mm]
	PH 1,5/S/3	3212756	Max. 6.6				
	PH 1,5/S/4	3212769	Max. 6.6				
	PH 1,5/S/5	3212772	Max. 12	■	3 … 9		
	PH 1,5/S/6	3212785	Max. 12	■	3 … 9		
	PH 1,5/S/7	3212798	Max. 12	■	3 … 9		
	PH 1,5/S/8	3212808	Max. 12	■	3 … 9		
	PH 1,5/S/9	3212811	Max. 15			■	4 … 12
	PH 1,5/S/10	3212824	Max. 15			■	4 … 12
	PH 1,5/S/11	3212837	Max. 15			■	4 … 12
	PH 1,5/S/12	3212840	Max. 15			■	4 … 12
	PH 1,5/S/13	3212853	Max. 15			■	4 … 12
	PH 1,5/S/14	3212866	Max. 15			■	4 … 12
	PH 1,5/S/15	3212879	Max. 15			■	4 … 12
	PH 2,5/2	3209691	Max. 6.6				
	PH 2,5/3	3209701	Max. 12				
	PH 2,5/4	3209714	Max. 12	■	3 … 9		
	PH 2,5/5	3209727	Max. 12	■	3 … 9		
	PH 2,5/6	3209730	Max. 15			■	4 … 12
	PH 2,5/7	3209743	Max. 15			■	4 … 12
	PH 2,5/8	3209756	Max. 15			■	4 … 12
	PH 2,5/9	3209507	Max. 15			■	4 … 12
	PH 2,5/10	3209769	Max. 15			■	4 … 12
	PH 2,5/11	3209772	Max. 15			■	4 … 12
	PH 2,5/12	3209785	Max. 15			■	4 … 12
	PH 2,5/13	3209798	Max. 15			■	4 … 12
	PH 2,5/14	3209808	Max. 15			■	4 … 12
	PH 2,5/15	3209811	Max. 15			■	4 … 12
	PH 4/2	3000734	Max. 8.8				
	PH 4/3	3000736	Max. 14.95				
	PH 4/4	3000737	Max. 18.4				
	PH 4/5	3000738	Max. 18.4				
	PH 4/6	3000739	Max. 18.4				
	PH 4/7	3000740	Max. 18.4				
	PH 4/8	3000741	Max. 18.4				
	PH 4/9	3000742	Max. 18.4				
	PH 4/10	3000743	Max. 18.4				
	PH 6/2	3000680	Max. 12.8				
	PH 6/3	3000681	Max. 18.4				
	PH 6/4	3000682	Max. 18.4				
	PH 6/5	3000683	Max. 18.4				
	PH 6/6	3000684	Max. 18.4				
	PH 6/7	3000685	Max. 18.4				

CPH 9-15 Order No. 3000768		HSR Order No. 3212031		HSR 6/8 Order No. 3000769		HSH-METALL Order No. 3210910	HSH-METALL-6/8 Order No. 3000770
	Cable diameter [mm]		Cable diameter [mm]		Cable diameter [mm]		
			9 … 10				
			9 … 10				
			9 … 10				
			9 … 10				
			9 … 10				
			9 … 10				
			9 … 10				
			10 … 13				
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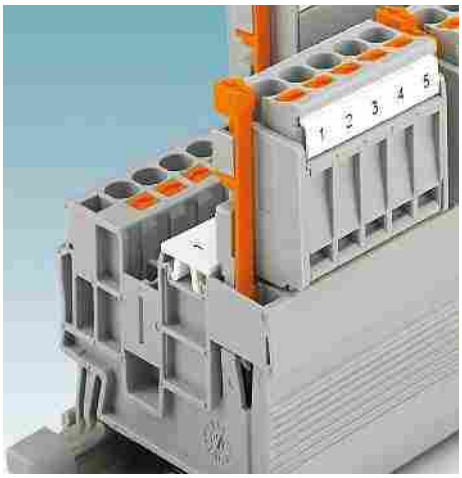
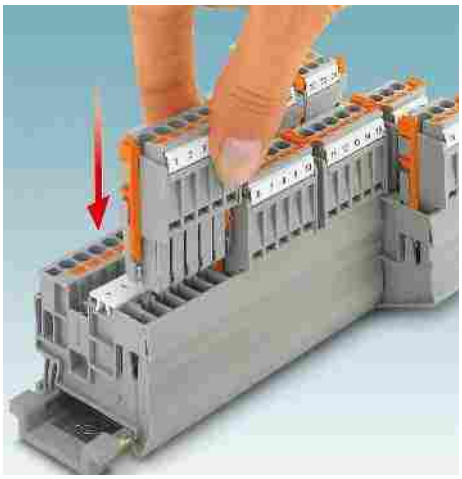
	9 … 15				13 … 15		

Self-locking flange covers

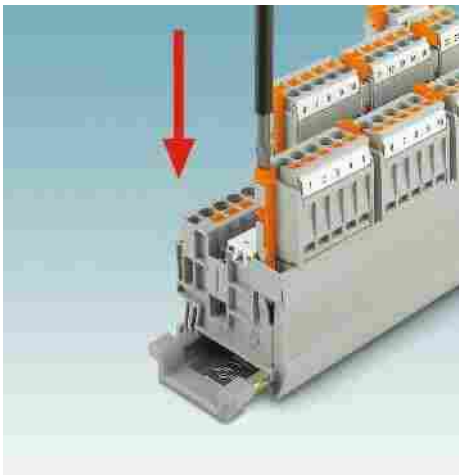


The secure latching protects the connectors from coming loose by mistake.

– The **self-locking flanges** are snapped onto the DIN rail directly
– Same shape and pitch as the basic terminal blocks
– Due to the offset arrangement of the locking holes, only one self-locking flange is required between two neighboring connectors
– The **self-locking flange covers** can be snapped onto the connector housing later on
– Automatic latching in self-locking flange



– When connecting, the plugs latch automatically in the self-locking flange



– The plug is released again by pressing down the locking hook with a screwdriver

General data
Insulating material

Description	Color
Self-locking flange cover, for SPB 2,5	gray
Self-locking flange cover, for SPDB 2,5	gray
Self-locking flange cover, for SP–H 2,5... and PP 2,5..., PP–H 2,5...	gray
Self-locking flange, for ST-COMBI and PT-COMBI terminal blocks when using SPB 2,5..., SPDB 2,5..., SP-H 2,5..., and PP-H 2,5 connectors, for ST 2,5/1P, ST 2,5/1P-PE, PT 2,5/1P, PT 2,5/1P-PE	gray
for ST 2,5-TWIN/1P, ST 2,5-TWIN/1P-PE, PT 2,5-TWIN/1P, PT 2,5-TWIN/1P-PE	gray
for ST 2,5-QUATTRO/2P, ST 2,5-QUATTRO/2P-PE, PT 2,5-QUATTRO/2P, PT 2,5-QUATTRO/2P-PE	gray
for ST 2,5-QUATTRO/4P, ST 2,5-QUATTRO/4P-PE	gray
for ST 2,5/2P, ST 2,5/2P-PE	gray
for STTB 2,5/2P, STTB 2,5/2P-PE, PTTB 2,5/2P, PTTB 2,5/2P-PE	gray

Self-locking flange cover

Self-locking flange

EAC

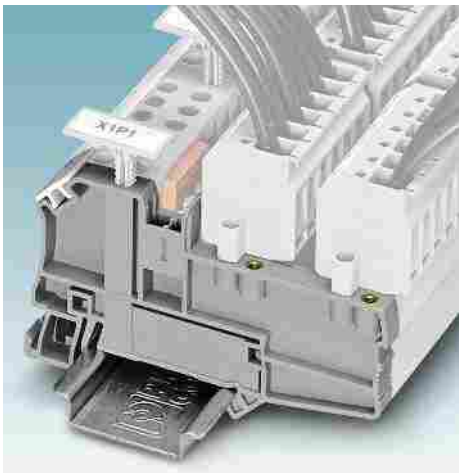
Technical data	
-	

Technical data	
PA	

Ordering data		
Type	Order No.	Pcs./Pkt.
DFS-SPB 2,5	3061444	50
DFS-SPDB 2,5	3061457	50
DFS-SP-H 2,5	3061431	50

Ordering data		
Type	Order No.	Pcs./Pkt.
ST 2,5/1P-FS	3061376	50
ST 2,5-TWIN/1P-FS	3061389	50
ST 2,5-QUATTRO/2P-FS	3061392	50
ST 2,5-QUATTRO/4P-FS	3061402	50
ST 2,5/2P-FS	3061415	50
STTB 2,5/2P-FS	3061428	50

Screw flange and flange covers



The secure latching protects the connectors from coming loose by mistake.

- The **screw flanges** snapped onto the DIN rail directly
- Same shape and pitch as the basic terminal blocks
- Due to the offset arrangement of the screw sockets, only one basic flange is required between two neighboring connectors
- The **screw flange covers** can be snapped onto the plug housing later on
- For reliably screwing down the connector with the screw flange

Screw flange cover

Technical data

General data		
Tightening torque	[Nm]	0.4 - 0.5
Insulating material		PA

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Screw flange cover, for UP 4 COMBI plug	gray	**DF-UP 4**	3060348	50
For UP 6 COMBI plug	gray	**DF-UP 6**	3060856	50
Screw flange cover, for UPBV 2,5 and UPBV 4 COMBI plugs	gray	**DF-UPBV 2,5/ 4**	3060432	50
Screw flange cover, for SP-H ... and PP 2,5..., PP-H ...COMBI connectors	gray	**DF-SP-H 2,5**	3209824	50
Screw flange, for UT-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP–H 2,5 plugs for UT 2,5/1P, UT 2,5/1P–PE	gray			
for UT 2,5-TWIN/1P	gray			
for UTTB 2,5/ 2P, UTTB 2,5/ 2P-PV, UTTB 2,5/ 2P-PE	gray			
for UT 4/ 1P, UT 4/ 1P-PE	gray			
for UT 2,5-TWIN/ 1P, UT 2,5-TWIN/ 1P-PE, UT 4-TWIN/ 1P, UT 4-TWIN/ 1P-PE	gray			
for UT 4–QUATTRO/2P, UT 4–QUATTRO/2P–PE	gray			
for UT 6–OUATTRO/2P, UT 6–OUATTRO/2P–PE	gray			
Screw flange, for ST-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP–H 2,5 plugs for ST 2,5/1P, ST 2,5/1P–PE, PT 2,5/1P, PT 2,5/1P–PE	gray			
for ST 2,5/2P, ST 2,5/2P–PE, PT 2,5/2P, PT 2,5/2P–PE	gray			
for ST 2,5–TWIN/1P, ST 2,5–TWIN/1P–PE, PT 2,5–TWIN/1P, PT 2,5–TWIN/1P–PE	gray			
for ST 2,5–QUATTRO/2P, ST 2,5–QUATTRO/2P–PE, ST 2,5–TWIN–MT/1P, ST 2,5–TWIN–TG/1P, PT 2,5–QUATTRO/2P, PT 2,5–QUATTRO/2P–PE	gray			
for ST 2,5-QUATTRO/4P, ST 2,5-QUATTRO/4P-PE	gray			
for STTB 2,5/2P, STTB 2,5/2P–PV, STTB 2,5/2P–PE, PTTB 2,5/2P	gray			
Screw flange, for QT-COMBI terminal blocks, when using UPBV 2,5..., SP...2,5... or PP–H 2,5 plugs for QTC 1,5/1P, QTC 1,5/1P–PE	gray			
for QTTCB 1,5/ 2P, QTTCB 1,5/ 2P-PE	gray			

Screw flange

Screw flange

Screw flange

EAC

Technical data

0.4 - 0.5
PA

Ordering data

Type	Order No.	Pcs./Pkt.
UT 2,5/1P-F	3060445	50
UT 2,5-TWIN/1P-F	3061172	50
UTTB 2,5/2P-F	3060474	50
UT 4/ 1P-F	3060458	50
UT 4-TWIN/ 1P-F	3060322	50
UT 4-QUATTRO/ 2P-F	3060335	50
UT 6-QUATTRO/2P-F	3060843	50

EAC

Technical data

0.4 - 0.5
PA

Ordering data

Type	Order No.	Pcs./Pkt.
ST 2,5/1P-F	3209837	50
ST 2,5/2P-F	3061198	50
ST 2,5-TWIN/1P-F	3209840	50
ST 2,5-QUATTRO/2P-F	3209853	50
ST 2,5-QUATTRO/4P-F	3061208	50
STTB 2,5/2P-F	3061169	50

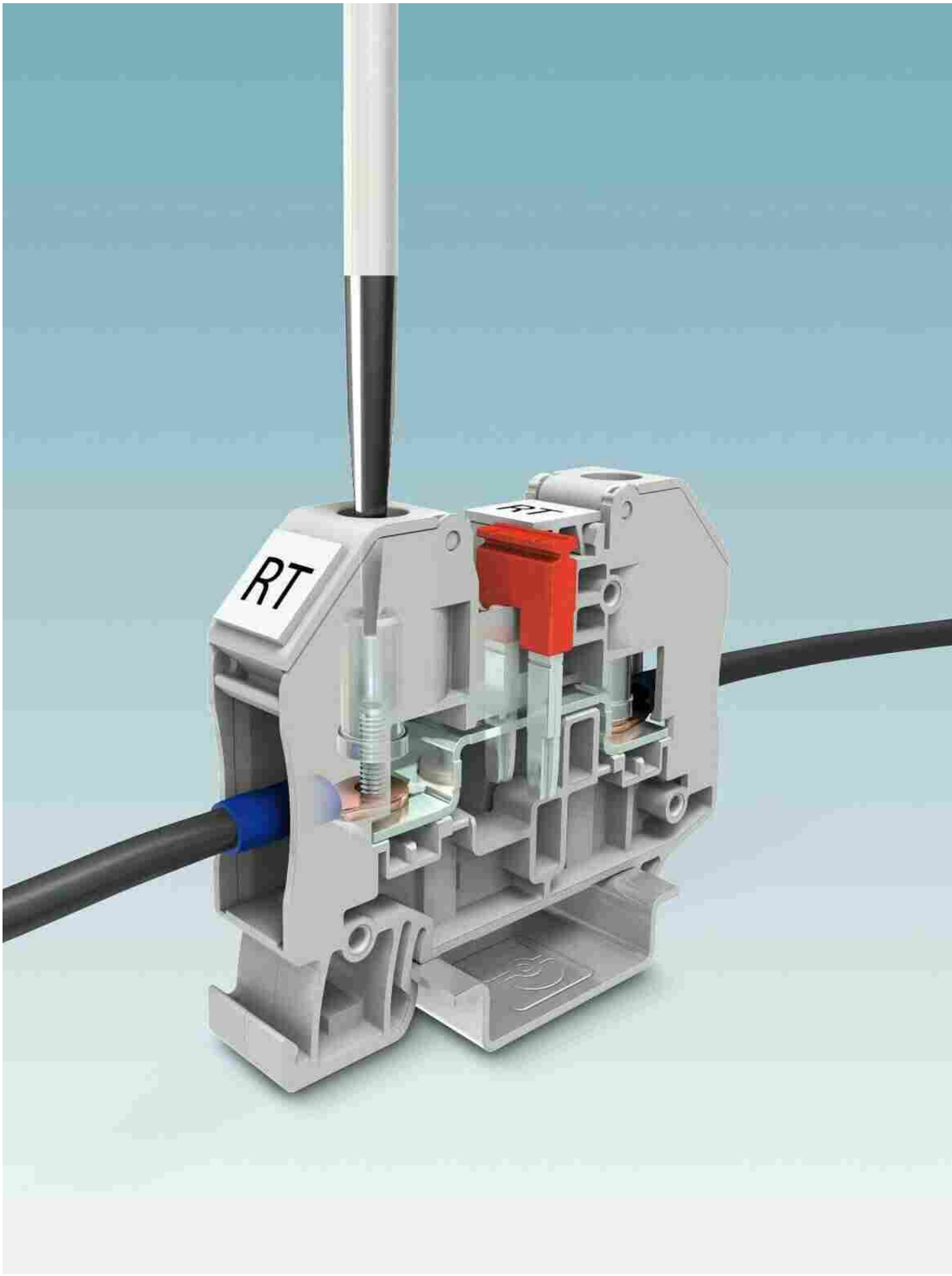
EAC

Technical data

0.4 - 0.5
PA

Ordering data

Type	Order No.	Pcs./Pkt.
QTC 1,5/1P-F	3061211	50
QTTCB 1,5/ 2P-F	3061185	50


RT
RT

RT, RO bolt connection terminal blocks, and HV high-current connectors

The bolt connection terminal blocks have been developed with a particularly robust design and for the convenient wiring of ring cable lugs or fork-type cable lugs. A special characteristic of the bolt connection is the often required multi-conductor connection, on which up to four cable lugs can be connected per bolt.

All types of conductors up to 300 mm² can be wired securely and with long-term stability.

RT

The RT series is a part of the modular CLIPLINE complete range and is therefore flexible in use. The key feature of these terminal blocks is the hinged cover which can be swiveled open and which features a captive cap nut. This ensures quick and easy ring cable lug wiring.

The integrated screw locking in the form of a spring retainer guarantees safe use, even in applications which are subject to shock and vibration.

All ring cable lugs can be connected in accordance with DIN 46234, DIN 46235 or DIN 46237.

Your web code: #1401

RBO and HV

The RBO and HV series are particularly well suited to power connections and large conductor cross sections. They are just as well suited as feed-in terminals as they are as potential distributors. Thanks to the comprehensive range of accessories, such as the pick-off terminals with Push-in connection, the broadest range of circuits can be developed.

RT product range overview

2.5 mm²

Feed-through and ground terminal blocks **379**

6 mm²

Feed-through and ground terminal blocks **381**

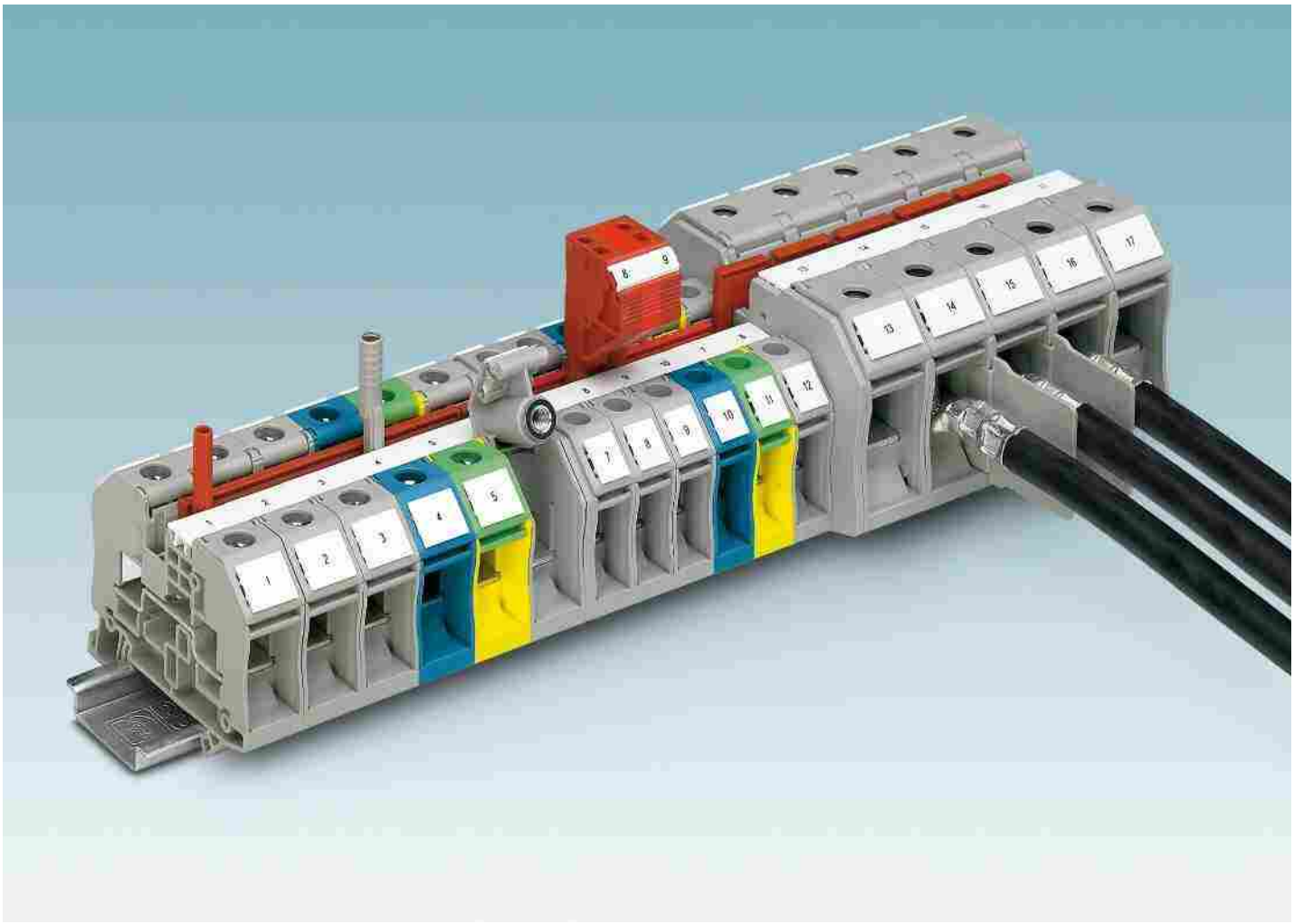
Test disconnect terminal blocks **382**

35 mm²

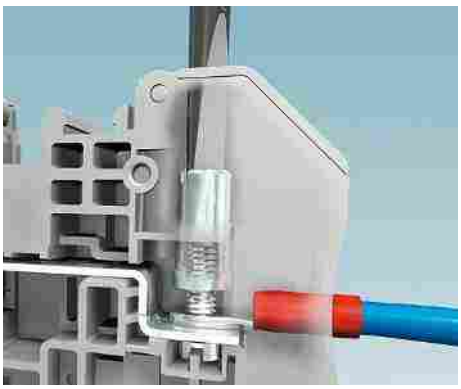
Feed-through terminal blocks **385**

RBO product range overview **386**

HV product range overview **395**



Your web code: #1401

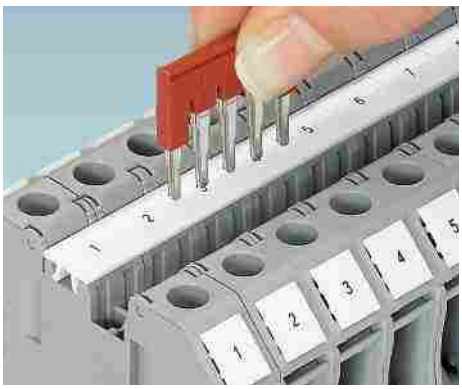


Robust and zero-maintenance

The bolt connection method is used in numerous applications. The benefits are:
– Robust contact
– Zero maintenance thanks to integrated screw retention
– Multiple conductor connection

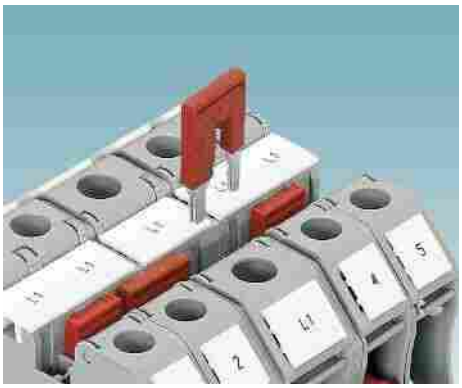
Snap-on PE foot

Ground terminal blocks of the same shape are simply snapped onto the DIN rail in order to make contact. This mechanically and electrically efficient contacting meets all the requirements of the IEC 60947-7-2 standard.

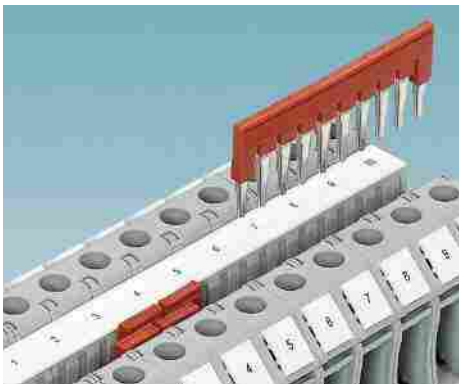


Flexible plug-in bridge system

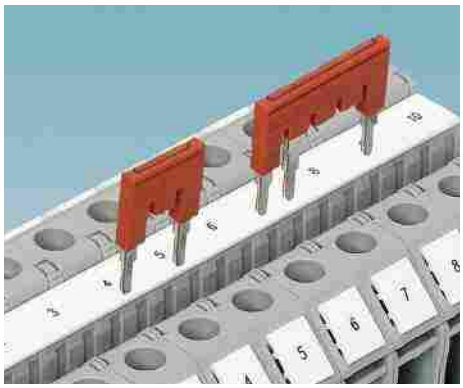
Potential can be distributed quickly using standardized plug-in bridges. Using two bridge shafts in all terminal blocks makes flexible chain and level bridging and bridging between non-adjacent terminal blocks possible.



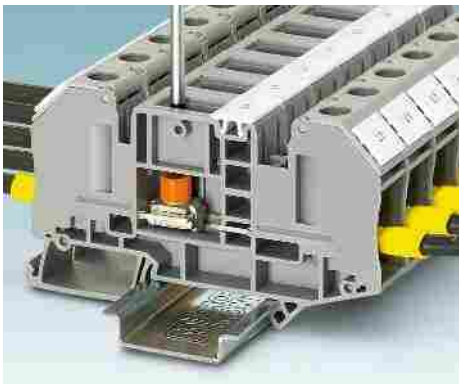
The reducing bridge enables a simple connection of terminal blocks with different nominal cross sections, e.g., an RT 8 with an RT 3 terminal block. Power blocks can be created quickly using the reducing bridge.



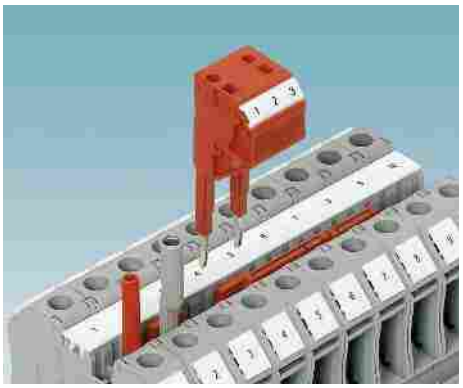
The double function shaft can be used to connect any number of terminal blocks with two-position bridges. The 2- to 50-pos. bridges allow up to 50 terminal blocks to be bridged in one step.



Bridging between non-adjacent terminal blocks is established by removing individual contact tabs from the standard bridge. Two potentials can then be routed in parallel through a terminal strip. The contact points can also be marked.

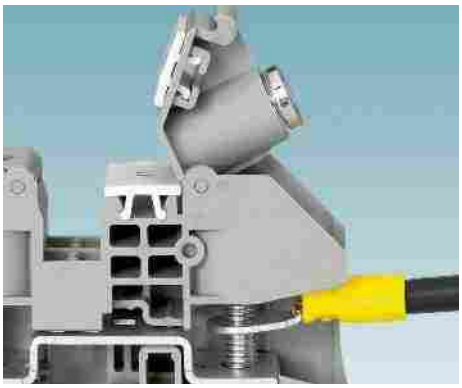


The RT 5-T is used in applications where the connections have to be separable. The feed-through can be opened or closed using a screwed disconnect slide without the contact points having to be released.



A test plug with a diameter of 2.3 mm is available for measuring lines and a test adapter with a diameter of 4 mm is available for safety test plugs. Test adapters can be implemented quickly with the alignable test plug.

Clear labeling can be easily produced with the RT terminal blocks. Large and clear marking in the middle of the terminal block guarantees reliable and quick installation.



The hinged cover typical of RT terminal blocks ensures finger protection when using an insulated cable lug. Connecting the conductor is also a much simpler process thanks to the retentive, integrated cap nut. Each terminal point can also be marked on the hinged cover itself.

The open RTO series has the same shape as the RT series. Instead of cap nuts, standard hexagonal nuts are used in the hinged cover. A version with a transparent cover ensures touch proofness. The right terminal block is therefore available for every application.

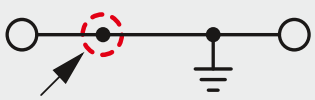
The RT and RTO terminal blocks can be wired with uninsulated cable lugs as well. These are fitted with BE-RT plug-on dividing panels to guarantee the high rated voltages.

2.5 mm² RT bolt connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2
Rated cross section	[mm²]	2.5
Cross section range	AWG	26 - 14
Connection capacity, DIN 46234		
Cable lugs, DIN 46234	[mm²]	0.5 - 2.5
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6
Connection capacity, DIN 46237		
Cable lugs DIN 46237	[mm²]	1 - 2.5
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 6
Color code	red	1.00 mm²
Color code	blue	2.50 mm²
General data		
Tightening torque	[Nm]	0.6 - 0.8
Bolt thread		M3
Insulating material		PA
Flammability rating in accordance with UL 94		V0
Note: Additional or deviating data is listed alongside the respective product.		

Notes:



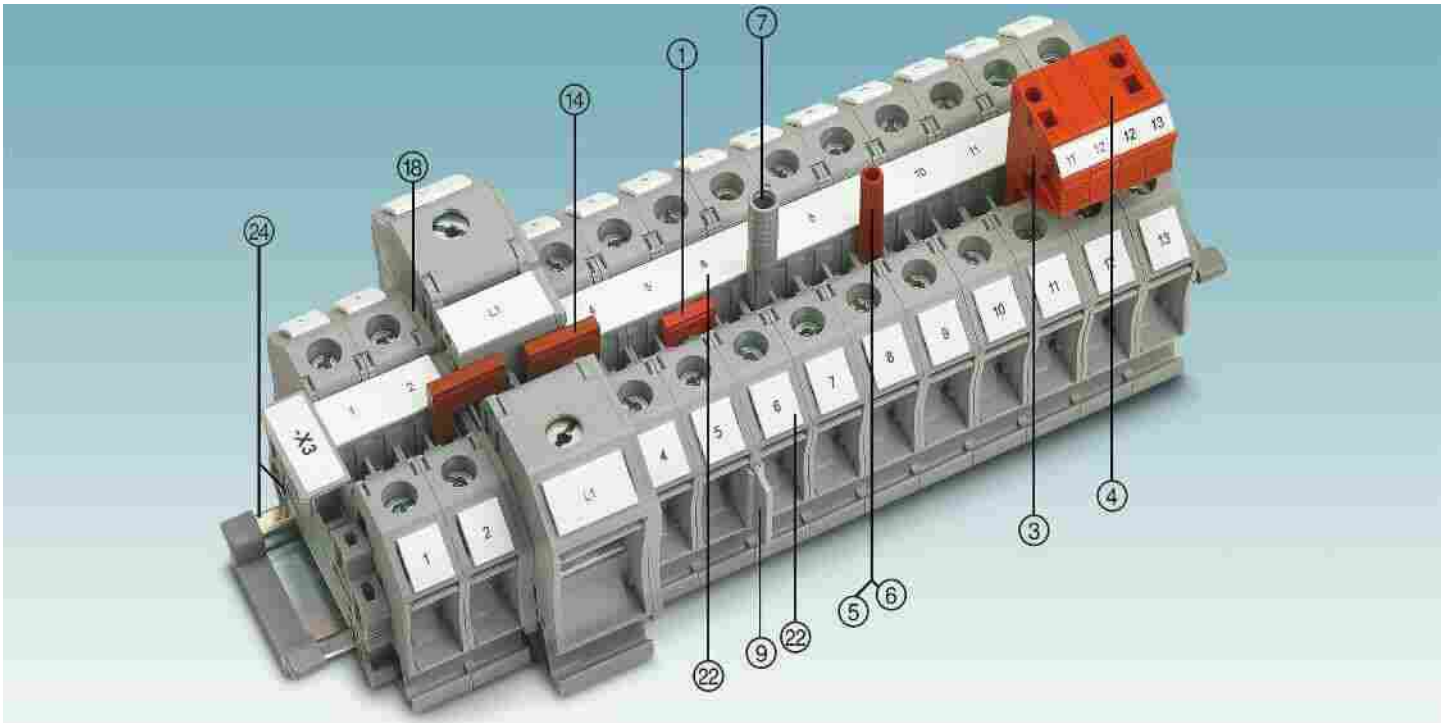
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-6**	3030336	50	**FBSR 2-6**	3033715	50
	3	red	**FBS 3-6**	3030242	50	**FBSR 3-6**	3001594	50
	4	red	**FBS 4-6**	3030255	50	**FBSR 4-6**	3001595	50
	5	red	**FBS 5-6**	3030349	50	**FBSR 5-6**	3001596	50
	10	red	**FBS 10-6**	3030271	10	**FBSR 10-6**	3033716	10
	20	red	**FBS 20-6**	3030365	10			
③ **Modular test plug**		red	**PS-6**	3030996	10			
Spacer plate		red	**DP PS-6**	3036738	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Path extension		gray	**BE-RT 3/5**	3049819	50			
Screwdriver			**SZS 1,0X6,5 VDE**	1205079	10			
Socket wrench			**SHN 5.5**	1209855	10			

Reducing bridge	**For RB ..., see page 408.**
Cover	**Listed alongside the respective product.**
Center and side groove labeling	**UC-TM 8, UCT-TM 8 or ZB 8. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through and ground terminal blocks

Notes:

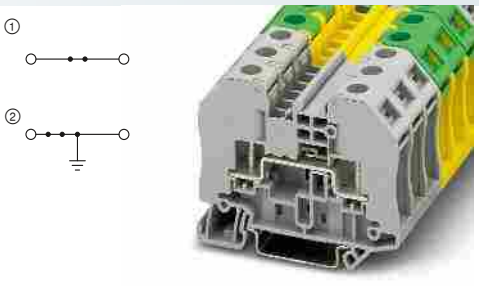
[1]) For additional accessories and technical data, see page 378.

When using multi-position PS-... test plugs that are mounted side by side, one DP PS-... spacer plate with the same pitch must be used alternately to achieve the terminal block width, see page 411.

For CARRIER 35-8 separating disk with storage option for bridges, visit phoenixcontact.net/products.

Further technical notes and connection conditions are to be found on page 682.

For information on installation and using accessories for Ex applications, see page 678.



24 A, feed-through terminal block

Ex: EAC Ex
PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data[1])

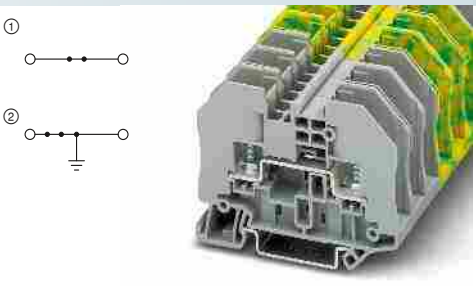
Dimensions				
Width	Length	Height		
12.3	**66**	**51 (NS 35/7,5)**		
Maximum electrical data				
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
24	**1000**	**0.1 - 2.5**	**-**	
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data				
IEC	UL / CUL	CSA	Ex	
Rated voltage	[V]	1000	600	-	550
Nominal current / cross section	[A] / [mm²]	24 / 2.5	30 / -	- / -	24 / 2.5

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**RT 3**	①	3049013	50
	blue	**RT 3 BU**	①	3049110	50
Ground terminal	green-yellow	**RT 3-PE**	②	3049411	50

Accessories[1])

Cover, width: 2.2 mm	gray	**D-RT 3/5**	3049097	50



24 A, feed-through terminal block, open

Ex: EAC Ex
PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data[1])

Width	Length	Height		
12.3	**66**	**49.9 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
24	**1000**	**0.1 - 2.5**	**-**	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
1000	600	-	550	
24 / 2.5	30 / -	- / -	24 / 2.5	

Ordering data

Type		Order No.	Pcs./Pkt.
RTO 3	①	3049518	50
RTO 3 BU	①	3049660	50
RTO 3-PE	②	3049615	50

Accessories[1])

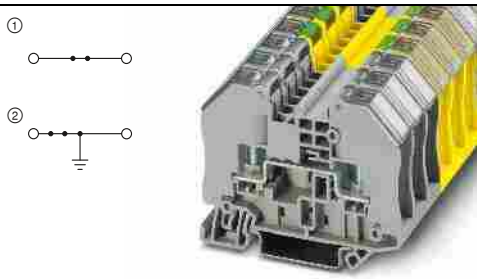
D-RT 3/5	3049097	50

Feed-through and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 378.

Further technical notes and connection conditions are to be found on page 682.



24 A, feed-through terminal block, with transparent shock protection cover

Technical data[1])

Dimensions				
Width	Length	Height		
12.3	**66**	**51 (NS 35/7,5)**		
Maximum electrical data				
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
24	**1000**	**0.1 - 2.5**	**-**	
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)		
Rated data				
IEC	UL / CUL	CSA	Ex	
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	- / -	- / -	- / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**RTO 3-TC**	①	3049945	50
	blue	**RTO 3-TC BU**	①	3049835	50
Ground terminal	green-yellow	**RTO 3-PE-TC**	②	3049958	50

Accessories[1])

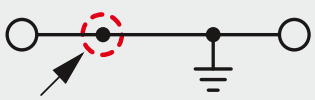
Cover, width: 2.2 mm	gray	**D-RT 3/5**	3049097	50

6 mm² RT bolt connection terminal blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60947-7-2
Rated cross section	[mm²]	6
Cross section range	AWG	26 - 10
Connection capacity, DIN 46234		
Cable lugs, DIN 46234	[mm²]	0.5 - 6
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10
Connection capacity, DIN 46237		
Cable lugs DIN 46237	[mm²]	1 - 6
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10
Color code	red	1.00 mm²
Color code	blue	2.50 mm²
Color code	yellow	6.00 mm²
General data		
Tightening torque	[Nm]	2.5 - 3
Bolt thread		M5
Insulating material		PA
Flammability rating in accordance with UL 94		V0
Note: Additional or deviating data is listed alongside the respective product.		

Notes:



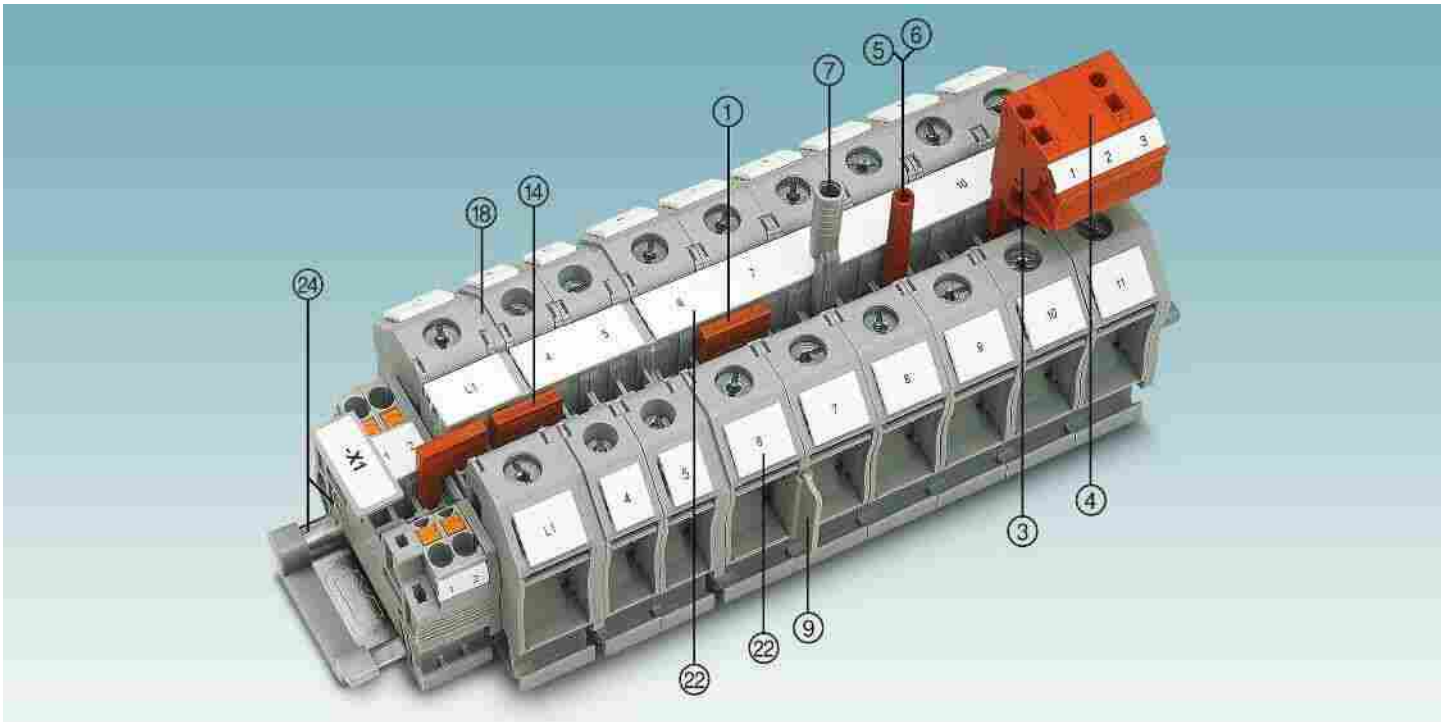
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-8**	3030284	10	**FBSR 2-8**	3033808	10
	3	red	**FBS 3-8**	3030297	10	**FBSR 3-8**	3001597	10
	4	red	**FBS 4-8**	3030307	10	**FBSR 4-8**	3000585	10
	5	red	**FBS 5-8**	3030310	10	**FBSR 5-8**	3033809	10
	10	red	**FBS 10-8**	3030323	10	**FBSR 10-8**	3001599	10
	16	red				**FBSR 16-8**	3033816	10
③ **Modular test plug**		red	**PS-8**	3031005	10			
Spacer plate		red	**DP PS-8**	3036741	10			
Test plug metal part		gray	**MPS-MT**	0201744	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Test adapter, 4 mm socket hole		gray	**PAI-4-N GY**	3032871	10			
Path extension		gray	**BE-RT 3/5**	3049819	50			
Screwdriver			**SZS 1,0X6,5 VDE**	1205079	10			
Socket wrench			**SHN 8**	1209868	10			

Reducing bridge	**For RB ..., see page 408.**
Partition plates/end cover segments	**For ATP-... / DS-..., visit phoenixcontact.net/products**
Cover	**Listed alongside the respective product.**
Center and side groove labeling	**UC-TM 12, UCT-TM 12 or ZB 12. See also Catalog 3, selection tables, from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

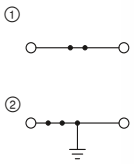
Feed-through and ground terminal blocks

Notes:

[1]) For additional accessories and technical data, see page 380.

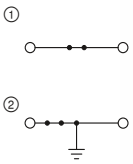
Further technical notes and connection conditions are to be found on page 682.

For information on installation and using accessories for Ex applications, see page 678.



41 A, feed-through terminal block

Ex: EAC Ex



41 A, feed-through terminal block, open

Ex: EAC Ex
PTB 09ATEX1003U / IECEx PTB 08.0063U

Dimensions	
	[mm]
Maximum electrical data	
Maximum bridge current	[A]
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]

Technical data[1])

Width	Length	Height	
16.3	**66**	**51 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41	**1000**	**0.1 - 6**	**-**
41 (FBS)			
IEC	UL / CUL	CSA	Ex
1000	600	-	550
41 / 6	30 / -	- / -	41 / 6

Technical data[1])

Width	Length	Height	
16.3	**66**	**49.9 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41	**1000**	**0.1 - 6**	**-**
41 (FBS)			
IEC	UL / CUL	CSA	Ex
1000	600	-	550
41 / 6	30 / -	- / -	39 / 6

Description	Color
Terminal block	gray
	blue
With transparent shock-protection hood	gray
	blue
Ground terminal	green-yellow
With transparent shock-protection hood	green-yellow

Ordering data

Type		Order No.	Pcs./Pkt.
RT 5	①	3049026	50
RT 5 BU	①	3049123	50
RT 5-PE	②	3049424	50

Ordering data

Type		Order No.	Pcs./Pkt.
RTO 5	①	3049521	50
RTO 5 BU	①	3049767	50
RTO 5-TC	①	3049961	50
RTO 5-TC BU	①	3049851	50
RTO 5-PE	②	3049628	50
RTO 5-PE-TC	②	3049974	50

Accessories[1])

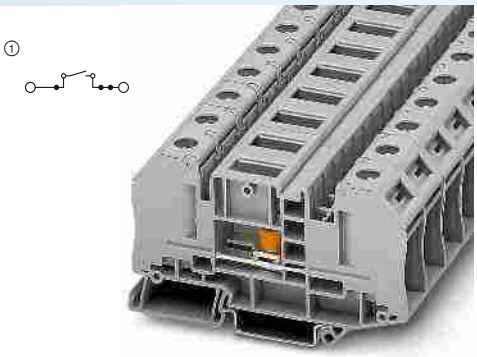
Cover, width: 2.2 mm	gray	**D-RT 3/5**	3049097	50

Accessories[1])

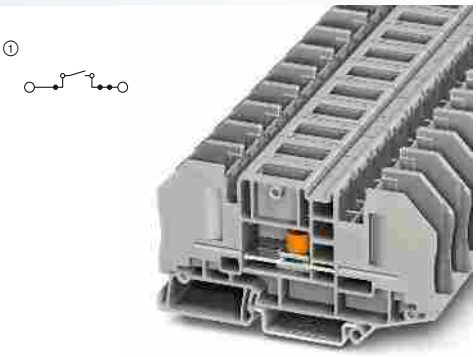
D-RT 3/5	3049097	50

Test disconnect terminal blocks

Notes:
1) For additional accessories and technical data, see page 380.
2) Rated voltage for 500 V open disconnect point.
Further technical notes and connection conditions are to be found on page 682.



41 A, test disconnect terminal block



41 A, test disconnect terminal block, open

Technical data[1])				
Dimensions				
	Width	Length	Height	
	[mm]	**16.3**	**91.4**	**51 (NS 35/7,5)**
Maximum electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	41	**1000[2])**	**0.1 - 6**	**-**
Maximum bridge current	[A]	41 (FBS) / 32 (FBSR)		
Rated data				
	IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000[2])	600	-
Nominal current / cross section	[A] / [mm²]	41 / 6	30 / -	- / -
General data				
Tightening torque disconnect slide	[Nm]	1.5 - 1.8		

Ordering data			
Type	**Order No.**	Pcs./Pkt.	
RT 5-T ①	3049039	25	

Accessories[1])		
D-RT 5-T	3049291	50

Technical data[1])			
Width	Length	Height	
16.3	**91.4**	**49.9 (NS 35/7,5)**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41	**1000[2])**	**0.1 - 6**	**-**
41 (FBS) / 32 (FBSR)			
IEC	UL / CUL	CSA	Ex
1000[2])	600	-	-
41 / 6	30 / -	- / -	- / -
1.5 - 1.8			

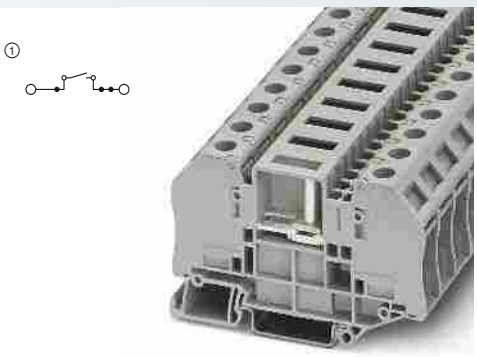
Ordering data			
Type	**Order No.**	Pcs./Pkt.	
RTO 5-T ①	3049233	25	
RTO 5-T-TC ①	3049990	25	

Accessories[1])		
D-RT 5-T	3049291	50

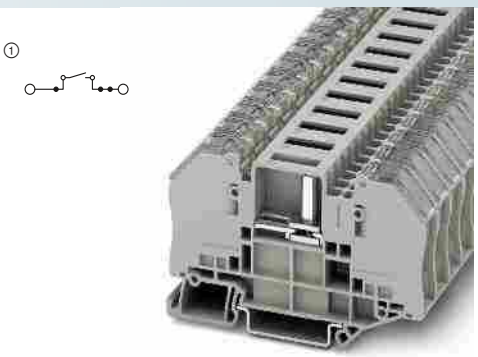
Description	Color
Test disconnect terminal block	gray
With transparent shock-protection hood	gray
Cover, width: 2.2 mm	gray

Test disconnect terminal blocks

Notes:
[1]) For additional accessories and technical data, see page 380.
Further technical notes and connection conditions are to be found on page 682.



41 A, test disconnect terminal block



41 A, test disconnect terminal block, with transparent shock protection cover

Technical data[1])

Dimensions					
	[mm]	Width	Length	Height	
		12.3	**82.4**	**51 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		41	**500**	**0.1 - 6**	**-**
Maximum bridge current	[A]	32 (FBS) / 24 (FBSR)			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	500	600	-	-
Nominal current / cross section	[A] / [mm²]	41	30 / -	- / -	- / -
General data					
Tightening torque	[Nm]	1.5 - 1.8			
Bolt thread		M4			

Technical data[1])

Width	Length	Height		
12.3	**82.4**	**51 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
41	**500**	**0.1 - 6**	**-**	
32 (FBS) / 24 (FBSR)				
IEC	UL / CUL	CSA	Ex	
500	600	-	-	
41	30 / -	- / -	- / -	
1.5 - 1.8				
M4				

Ordering data

Description	No. of pos.	Color	Type		Order No.	Pcs./Pkt.
Test disconnect terminal block, with test socket screws		gray	**RT 4-T-P/P**	①	3000565	25
		gray	**RTO 4-T-TC**	①	3000558	25

Ordering data

Type	Order No.	Pcs./Pkt.
RT 4-T-P/P ①	3000565	25
RTO 4-T-TC ①	3000558	25

Accessories[1])

Cover, width: 2.2 mm		gray	**D-RT 4-T**	3000606	50
Plug-in bridge					
	2	red	**FBS 2-6**	3030336	50
	3	red	**FBS 3-6**	3030242	50
	4	red	**FBS 4-6**	3030255	50
	5	red	**FBS 5-6**	3030349	50
	10	red	**FBS 10-6**	3030271	10
	20	red	**FBS 20-6**	3030365	10
Modular test plug, for the individual assembly of test pin strips		red	**PS-6**	3030996	10
Spacer plate for test plug, for skipping individual terminal blocks during the assembly of individual test plugs, 6.2 mm wide, can be labeled with ZBF 6		red	**DP PS-6**	3036738	10
Screwdriver			**SF-SL 0,8X4,0-100**	1212551	10

Accessories[1])

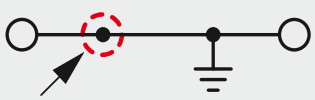
Type	Order No.	Pcs./Pkt.
D-RT 4-T	3000606	50
FBS 2-6	3030336	50
FBS 3-6	3030242	50
FBS 4-6	3030255	50
FBS 5-6	3030349	50
FBS 10-6	3030271	10
FBS 20-6	3030365	10
PS-6	3030996	10
DP PS-6	3036738	10
SF-SL 0,8X4,0-100	1212551	10

35 mm² RT bolt connection terminal blocks

General technical data

Rated data		IEC 60947-7-1
Rated cross section	[mm²]	35
Cross section range	AWG	14 - 2
Connection capacity, DIN 46234		
Cable lugs, DIN 46234	[mm²]	2.5 - 35
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 16
Connection capacity, DIN 46237		
Cable lugs DIN 46237	[mm²]	2.5 - 6
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 14
Color code	blue	2.50 mm²
Color code	yellow	6.00 mm²
General data		
Tightening torque	[Nm]	4.5 - 5
Bolt thread		M8
Insulating material		PA
Flammability rating in accordance with UL 94		V0
Note: Additional or deviating data is listed alongside the respective product.		

Notes:



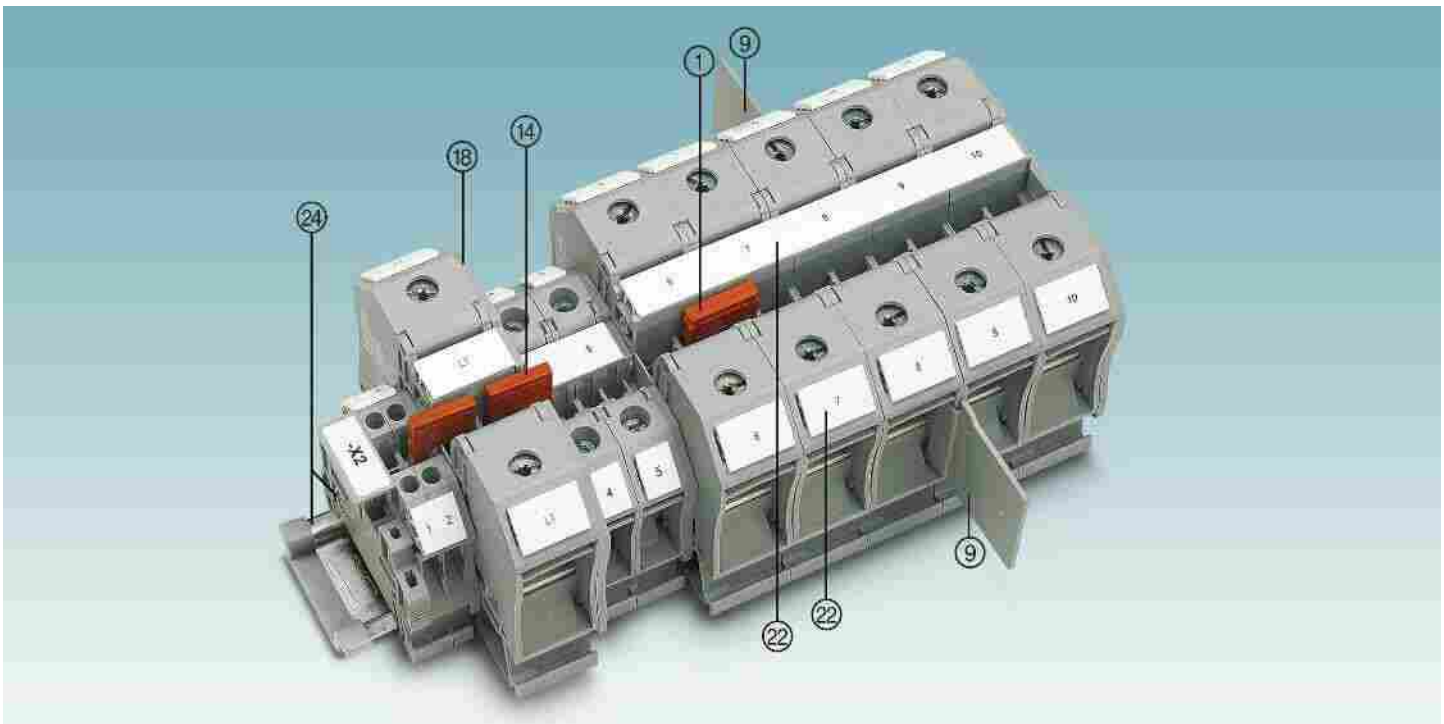
In addition to the product, the internal electrical wiring is provided as a circuit diagram. Free connection points for bridging are indicated by a black dot.

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



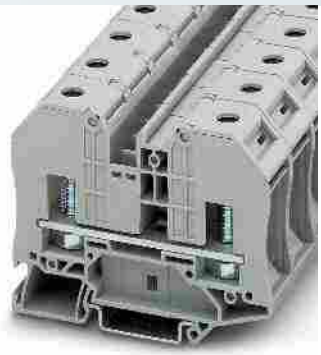
Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-10**	3005947	10			
Path extension		gray	**BE-RT 8**	3049916	50			
Socket wrench			**SHN 13**	1209923	10			

Reducing bridge	**For RB ..., see page 408.**
Cover	**Listed alongside the respective product.**
Center and side groove labeling	**UC-TM 16, UCT-TM 16 or ZB 16,3. See also Catalog 3, selection tables from page 60.**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

Feed-through terminal blocks

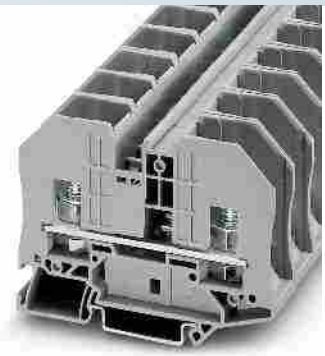
Notes:
[1]) For additional accessories and technical data, see page 384.
Further technical notes and connection conditions are to be found on page 682.
For information on installation and using accessories for Ex applications, see page 678.

①



125 A, feed-through terminal block

①



125 A, feed-through terminal block, open

EAC

Ex: EAC Ex

PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data[1])

Dimensions		Width	Length	Height	
	[mm]	**20.3**	**84**	**63.8 (NS 35/7,5)**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		125	**1000**	**2.5 - 35**	**-**
Maximum bridge current	[A]	57			
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	1000	600	-	690
Nominal current / cross section	[A] / [mm²]	125 / 35	130 / -	- / -	125 / 35
General data					
Tightening torque	[Nm]	4.5 - 5			

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Terminal block	gray	**RT 8**	①	3049042	25
	blue	**RT 8 BU**	①	3049148	25
With transparent shock-protection hood	gray				
	blue				

Accessories[1])

Cover, width: 2.2 mm	gray	**D-RT 8**	3049194	50

EAC

Ex: EAC Ex

PTB 09ATEX1003U / IECEx PTB 08.0063U

Technical data[1])

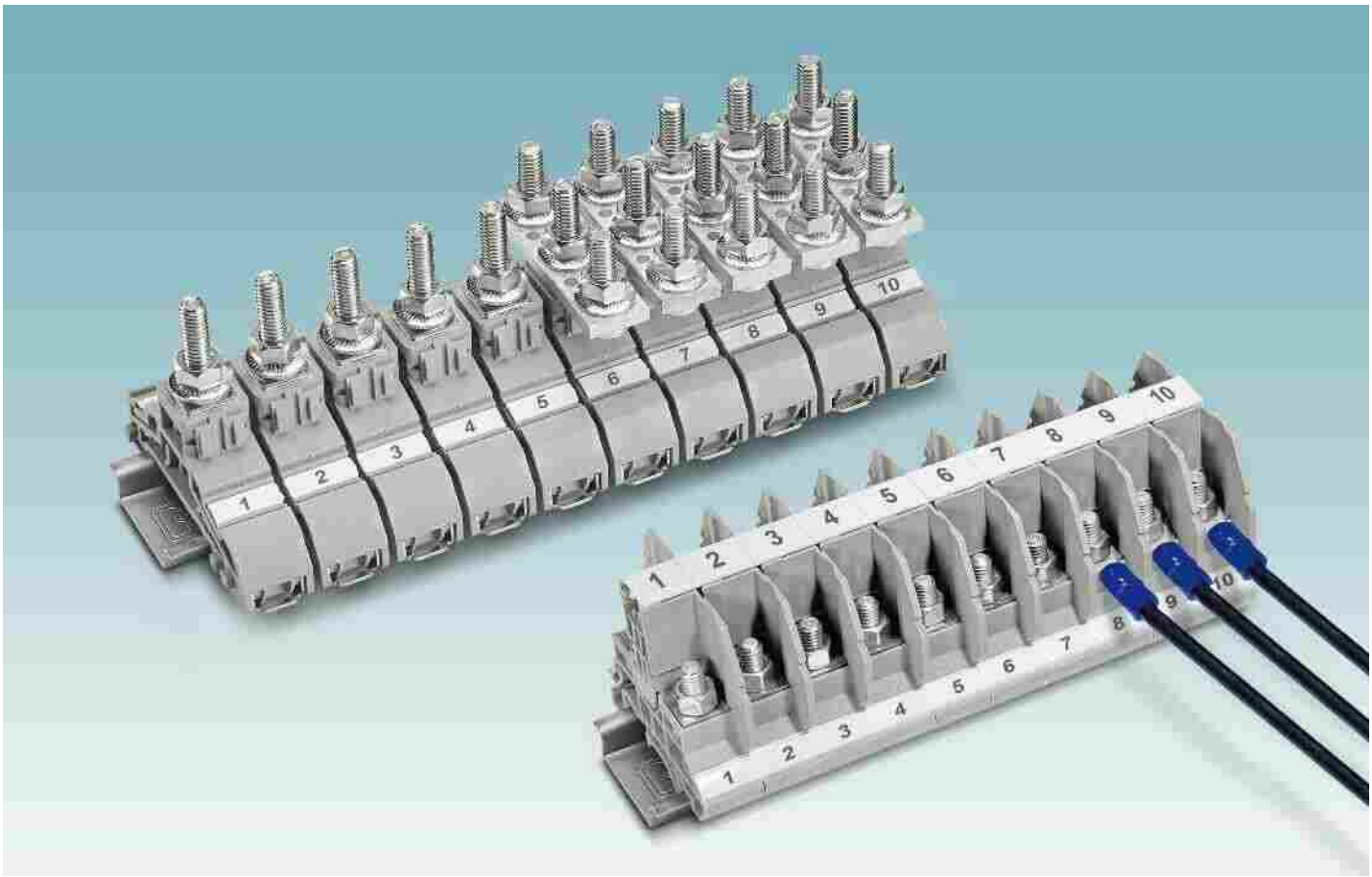
Width	Length	Height		
20.3	**84**	**62.2 (NS 35/7,5)**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
125	**1000**	**2.5 - 35**	**-**	
57				
IEC	UL / CUL	CSA	Ex	
1000	600	-	690	
125 / 35	115 / -	- / -	123 / 35	
6 - 10				

Ordering data

Type		Order No.	Pcs./Pkt.
RTO 8	①	3049343	25
RTO 8 BU	①	3049864	25
RTO 8-TC	①	3050002	25
RTO 8-TC BU	①	3049929	25

Accessories[1])

D-RT 8	3049194	50



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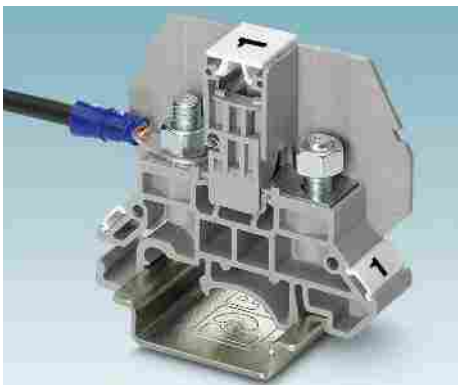
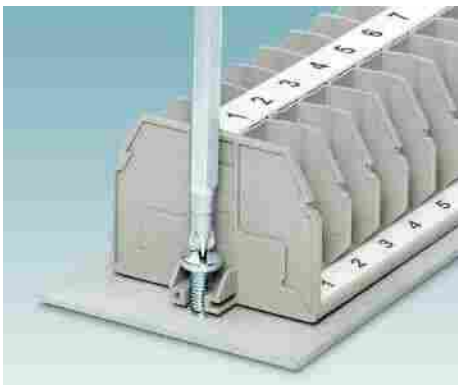


Extensive program

The RBO product range offers a suitable compact terminal block with bolt connection from M5 to M16 for every conductor connection from 0.5 - 300 mm²



Flexible assembly

The bolt connection terminal blocks offer two mounting options:

– Can be snapped onto the conventional EN DIN rails
– Direct mounting on mounting plates

Modular shock protection

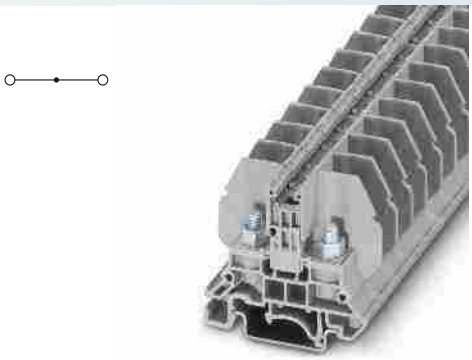
Using the extensive range of accessories, modular shock protection can be implemented easily and in accordance with application requirements.

RBO 5... bolt connection terminals, for M5 ring and fork-type cable lugs

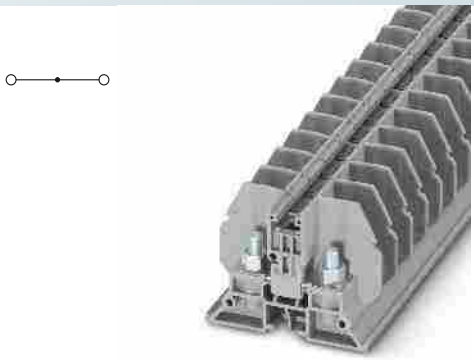
- Compact connection with ring- and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- Bridge bar isolator switching bridge for switchable cross connections
- Mounting on standard DIN rails or directly in control boxes

Notes:

1) 57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks



10 (10) mm², 57 A, feed-through terminal block for DIN rail mounting



10 (10) mm², 57 A, feed-through terminal block for direct mounting

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**13**	**53.3**	**47**	
Dimensions	Width	Length	Height NS 32	
[mm]	**13**	**53.3**	**52**	
Dimensions	Width	Length	Height	
[mm]	**13**	**53.3**	**-**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	57	**800**	**0.1 - 10**	**-**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	800	600	-	-
Nominal current / cross section [A] / [mm²]	57 / 10	45 / -	-	-
Rated cross section [mm²]	10	-	-	-
Cross section range AWG	26 - 8	-	-	-
Connection capacity, DIN 46234				
Cable lugs, DIN 46234 [mm²]	0.1 - 10			
Connection bolt / hole diameter / width [mm]	5 / 5.3 / 10			
Connection capacity, DIN 46237				
Cable lugs DIN 46237 [mm²]	0.5 - 6			
Connection bolt / hole diameter / width [mm]	5 / 5.3 / 10			
Color code red	1.00 mm²			
blue	2.50 mm²			
yellow	6.00 mm²			
General data				
Bolt thread	M5			
Tightening torque [Nm]	2 - 2.2			
Insulating material	PA			
Flammability rating in accordance with UL 94	V0			

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**13**	**53.3**	**-**	
Dimensions	Width	Length	Height NS 32	
[mm]	**13**	**53.3**	**-**	
Dimensions	Width	Length	Height	
[mm]	**13**	**53.3**	**37**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	57	**800**	**0.1 - 10**	**-**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	800	600	-	-
Nominal current / cross section [A] / [mm²]	57 / 10	45 / -	-	-
Rated cross section [mm²]	10	-	-	-
Cross section range AWG	26 - 8	-	-	-
Connection capacity, DIN 46234				
Cable lugs, DIN 46234 [mm²]	0.1 - 10			
Connection bolt / hole diameter / width [mm]	5 / 5.3 / 10			
Connection capacity, DIN 46237				
Cable lugs DIN 46237 [mm²]	0.5 - 6			
Connection bolt / hole diameter / width [mm]	5 / 5.3 / 10			
Color code red	1.00 mm²			
blue	2.50 mm²			
yellow	6.00 mm²			
General data				
Bolt thread	M5			
Tightening torque [Nm]	2 - 2.2			
Insulating material	PA			
Flammability rating in accordance with UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Bolt connection terminal, for mounting on NS 32... or NS 35...		gray	**RBO 5**		3058059	50
Flange terminal block, for direct mounting, including D-RSC 5-F cover flange		gray				
Flange terminal block, for direct mounting, including D-RSC 5-F cover flange, 4-pos.		gray				
Block, 6-pos.		gray				
Block, 8-pos.		gray				
Block, 12-pos.		gray				

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
RBO 5-F		3058062	50
RBO 5-F/4		3058237	1
RBO 5-F/6		3058240	1
RBO 5-F/8		3058253	1
RBO 5-F/12		3059252	1

Accessories

Cover, width: 2.2 mm		gray	**D-RSC 5**		3058020	50
Cover flange, width: 2.2 mm		gray				
Fixed bridge, isolated	10	silver	**FB 10-13**	57 A[1]	3059126	10
Isolator bridge bar, can be separated, with 10 screws	10	silver	**FB 10-13 ISO**	24 A	3059663	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		2770215	50
Cover profile, supply length 1 m		transparent	**AP RSC**		3058017	10
Socket wrench			**SHN 8**		1209868	10
Center groove labeling			**ZB 13 (see Catalog 3)**			
Lateral groove labeling			**ZBF 13 (see Catalog 3)**			

Accessories

D-RSC 5-F		3059647	50
FB 10-13	57 A[1]	3059126	10
FB 10-13 ISO	24 A	3059663	10
TS-KK 3		2770215	50
AP RSC		3058017	10
SHN 8		1209868	10
ZB 13 (see Catalog 3)			
ZBF 13 (see Catalog 3)			

RBO bolt connection terminal blocks

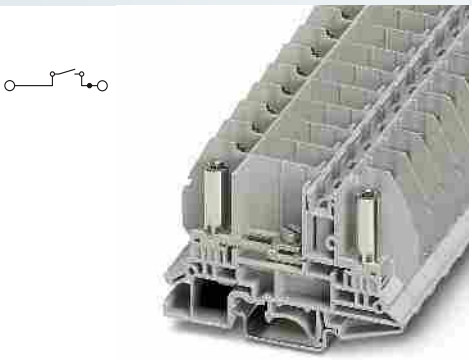
Measuring transducer disconnect terminal blocks with blocks connection RBO 5-T..., for M5 ring- and fork-type cable lugs

- Connection screws with 4 mm test connection
- Compact connection with ring- and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- Bridge bar isolator switching bridge for switchable cross connections
- Mounting on standard DIN rails or directly in control boxes

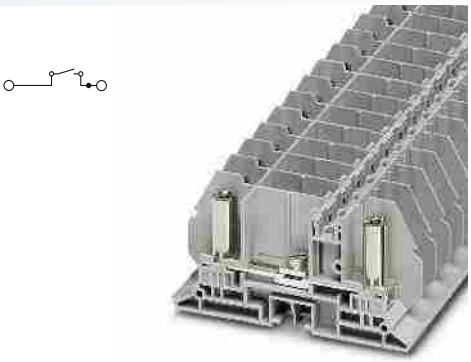
Notes:

1) 57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks

2) Rated voltage for 630 V open disconnect point



10 (10) mm², 50 A, test disconnect terminal block



10 (10) mm², 50 A, test disconnect terminal block, for direct mounting

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**13**	**79.9**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**13**	**79.9**	**52**	
Dimensions		Width	Length	Height	
	[mm]	**13**	**79.9**	**-**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		50	**800²)**	**0.1 - 10**	**-**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800²)	600	-	-
Nominal current / cross section	[A] / [mm²]	50 / 10	45 / -	-	-
Rated cross section	[mm²]	10	-	-	-
Cross section range	AWG	26 - 8	-	-	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.1 - 10			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Connection capacity, DIN 46237					
Cable lugs DIN 46237	[mm²]	0.5 - 6			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Color code	red	1.00 mm²			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Disconnect slide: Thread / torque	- / [Nm]	M4 / 1.2 - 1.4			
Bolt thread		M5			
Tightening torque	[Nm]	2 - 2.2			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Technical data

Width		Length	Height NS 35/7,5		
13		**79.9**	**-**		
Width		Length	Height NS 32		
13		**79.9**	**-**		
Width		Length	Height		
13		**79.9**	**39.7**		
$I_{max.}$ [A]		$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
50		**800²)**	**0.1 - 10**	**-**	
IEC 60947-7-1 IEC		UL / CUL	CSA	IEC/ EN 60079-7	
800²)		600	-	-	
50 / 10		45 / -	-	-	
10		-	-	-	
26 - 8		-	-	-	
0.1 - 10					
5 / 5.3 / 10					
0.5 - 6					
5 / 5.3 / 10					
1.00 mm²					
2.50 mm²					
6.00 mm²					
M4 / 1.2 - 1.4					
M5					
2 - 2.2					
PA					
V0					

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Test disconnect terminal block, for mounting on NS 32... or NS 35...		gray	**RBO 5-T**		3058114	50
Test disconnect terminal block, with flange, for direct mounting		gray				

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
RBO 5-T-F		3058169	50

Accessories

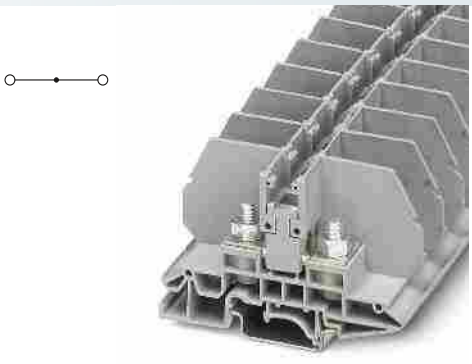
Cover, width: 2.2 mm		gray	**D-RSC 5-T**		3058046	50
Fixed bridge, isolated	10	silver	**FB 10-13**	57 A¹)	3059126	10
Isolator bridge bar, can be separated, with 10 screws	10	silver	**FB 10-13 ISO**	24 A	3059663	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		2770215	50
Cover profile, supply length 1 m		transparent	**AP RSC-T**		3059139	10
Screwdriver			**SZG 0,9X6,5 VDE**		1205134	10
Center groove labeling			**ZB 13 (see Catalog 3)**			
Lateral groove labeling			**ZBF 13 (see Catalog 3)**			

Accessories

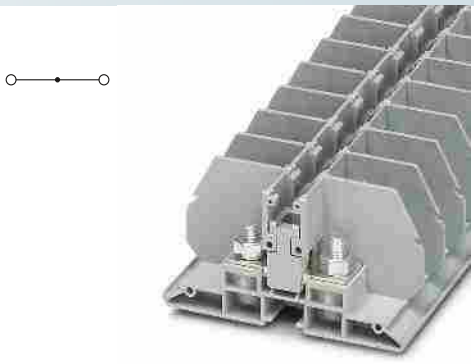
D-RSC 5-T-F		3059346	50	
FB 10-13	57 A¹)	3059126	10	
FB 10-13 ISO	24 A	3059663	10	
TS-KK 3		2770215	50	
AP RSC-T		3059139	10	
SZG 0,9X6,5 VDE		1205134	10	
ZB 13 (see Catalog 3)				
ZBF 13 (see Catalog 3)				

Bolt connection terminal blocks RBO 6..., for M6 ring- and fork-type cable lugs

- Compact connection with ring- and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- Bridge bar isolator switching bridge for switchable cross connections
- Mounting on standard DIN rails or directly in control boxes



35 (35) mm², 125 A, feed-through terminal block, for DIN rail mounting



35 (35) mm², 125 A, feed-through terminal block, for direct mounting

EAC

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**17**	**80.8**	**49.8**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**17**	**80.8**	**54.8**	
Dimensions		Width	Length	Height	
	[mm]	**17**	**80.8**	**-**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		125	**800**	**2.5 - 35**	**-**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	125 / 35	115 / -	115 / -	-
Rated cross section	[mm²]	35	-	-	-
Cross section range	AWG	12 - 2	-	12-2	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	6 - 35			
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 15			
Connection capacity, DIN 46237					
Cable lugs DIN 46237	[mm²]	2.5 - 6			
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 11			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Bolt thread		M6			
Tightening torque	[Nm]	3.2 - 3.7			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**17**	**80.8**	**-**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**17**	**80.8**	**-**	
Dimensions		Width	Length	Height	
	[mm]	**17**	**80.8**	**39.7**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		125	**800**	**2.5 - 35**	**-**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	125 / 35	115 / -	115 / -	-
Rated cross section	[mm²]	35	-	-	-
Cross section range	AWG	12 - 2	-	12-2	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	6 - 35			
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 15			
Connection capacity, DIN 46237					
Cable lugs DIN 46237	[mm²]	2.5 - 6			
Connection bolt / hole diameter / width	[mm]	6 / 6.5 / 11			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Bolt thread		M6			
Tightening torque	[Nm]	3.2 - 3.7			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Bolt connection terminal, for mounting on NS 32... or NS 35...		gray	**RBO 6**		3075896	40
Flange terminal block, for direct mounting, including cover flange D–RSC 6–F		gray				

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
RBO 6-F		3075935	40

Accessories

Cover, width: 2.2 mm		gray	**D-RSC 6**		3213098	50
Cover flange, width: 2.2 mm		gray				
Fixed bridge, isolated	10	silver	**FB 10-17**	57 A	3075951	10
Isolator bridge bar, can be separated, with 10 screws	10	silver	**FB 10-17 ISO**	57 A	3213085	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		2770215	50
Cover profile, supply length 1 m		transparent	**AP RSC-T**		3059139	10
Center groove labeling			**ZB 17 (see Catalog 3)**			
Lateral groove labeling			**ZBF 17 (see Catalog 3)**			

Accessories

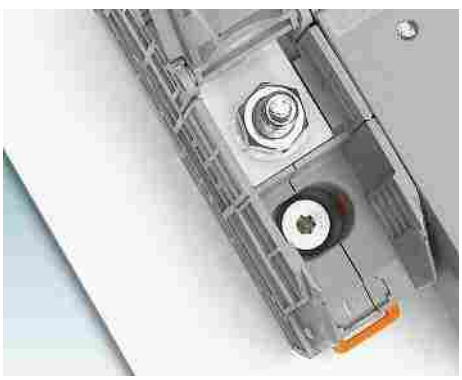
D-RSC 6-F		3213108	50
FB 10-17	57 A	3075951	10
FB 10-17 ISO	57 A	3213085	10
TS-KK 3		2770215	50
AP RSC-T		3059139	10
ZB 17 (see Catalog 3)			
ZBF 17 (see Catalog 3)			

RBO bolt connection terminal blocks, open, for ring- and fork-type cable lugs

- Optional snap-on finger protection
- Compact connection with ring- and fork-type cable lugs
- Potential distribution with connection rails
- The covering hoods for the RBO 10, RBO 12, and RBO 16 bolt terminal blocks can be sealed to prevent unauthorized opening. The lugs that can be snapped on for this purpose are supplied as standard with the covering hoods
- The RBO 10, RBO 12, and RBO 16 have a 4 mm test connection at the center of the terminal block

Mounting options

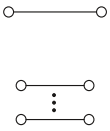
- Mounting either on standard mounting rails or directly in switch boxes, see Figure below



Notes:

For corresponding test plugs, see the following page.

[1]) For information on installation and using accessories for Ex applications, see page 678.



70 (70) mm², 192 A, feed-through terminal block, for DIN rail and direct mounting

EAC

Ex: EAC Ex
SEV13ATEX0132U / IECEx SEV13.0003U

Technical data

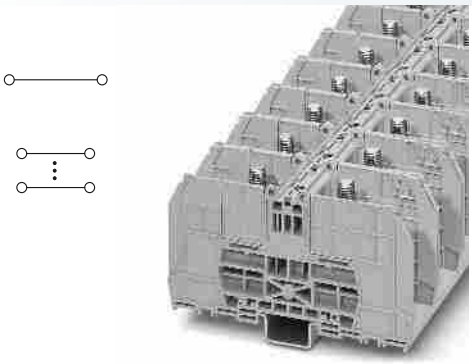
Dimensions				
	[mm]	Width	Length	Height NS 35/15
		29	136	74.5
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		192	1000	6 - 70 / -
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	1000	600	600 / 690
Nominal current / cross section	[A] / [mm²]	192 / 70	175 / -	175 / - / 187 / 70
Rated cross section	[mm²]	70	-	- / 2.5-70
Cross section range	AWG	8 - 2/0	-	- / -
Connection capacity, DIN 46234				
Cable lugs, DIN 46234	[mm²]	2.5 - 70		
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 22		
Connection capacity DIN 46235				
Cable lugs DIN 46235	[mm²]	16 - 70		
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 24		
Connection capacity, DIN 46237				
Cable lugs DIN 46237	[mm²]	2.5 - 6		
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 14		
	blue	2.50 mm²		
	yellow	6.00 mm²		
General data				
Bolt thread		M8		
Tightening torque	[Nm]	6 - 12		
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Bolt connection terminal block, for direct mounting or mounting on NS 35/15		gray	**RBO 8**		3213137	5
		blue	**RBO 8 BU**		3213136	5
		black/yellow	**RBO 8-FE**		3213139	5
Block, 4-pos., (3 x gray, 1 x blue)		gray/blue				
Block, 5-pos., (3 x gray, 1 x blue, 1 x black-yellow)		gray/blue/ black-yellow	**RBO 8-3L/N/FE**		3076280	2

Accessories[1])

Connection rail, for cross connection of high-current connectors						
	2	silver	**RBO 8-VS 2**	192 A	3213179	10
	3	silver	**RBO 8-VS 3**	192 A	3213182	10
Covering hood, as retrofit snap-on shock protection for cable lug connection		gray	**HC-RBO 8**		3247967	10
		blue	**HC-RBO 8 BU**		3247969	10
		black/yellow	**HC-RBO 8-FE**		3247968	10
End bracket, aluminum, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be marked with ZB 10, for mounting on NS 35...		silver	**E/AL-NS 35**		1201662	10
Terminal strip marker, adjustable height, for end clamp CLIPFIX ..., can be labeled with EML (20x8) label or directly with B-STIFT or X-PEN		gray				
Center groove labeling			**UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)**			



150 (150) mm², 309 A, feed-through terminal block, for DIN rail and direct mounting

Ex: EAC Ex
SEV13ATEX0132U / IECEx SEV13.0003U

Technical data

Width	Length	Height NS 35/15	
41	**144**	**84.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
309	**1000**	**6 - 150**	**10-350**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	1000	1100
309 / 150	310 / -	310 / -	309 / 150
150	-	-	6-150
10 - 300	10-350	10-350	-
6 - 150			
10 / 10.5 / 30			
16 - 150			
10 / 10.5 / 34			
6 - 6			
10 / 10.5 / 18			
6.00 mm²			
M10			
10 - 20			
PA			
V0			

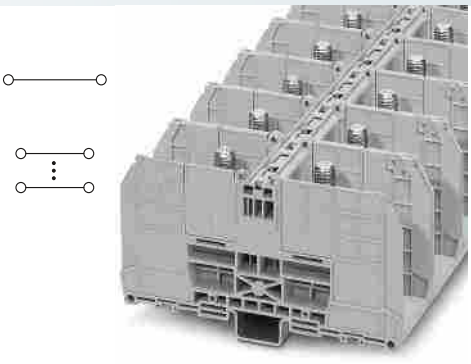
Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
RBO 10		3244614	5
RBO 10 BU		3244616	5
RBO 10-FE		3244615	5

Accessories[1])

RBO 10-VS 2	309 A	3244643	10
RBO 10-VS 3	309 A	3244656	10
HC-RBO 10		3247970	6
HC-RBO 10 BU		3247972	6
HC-RBO 10-FE		3247971	6
E/AL-NS 35		1201662	10
KLM 3-L		0814788	100

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)



240 (240) mm², 415 A, feed-through terminal block, for DIN rail and direct mounting

Ex: EAC Ex
SEV13ATEX0132U / IECEx SEV13.0003U

Technical data

Width	Length	Height NS 35/15	
49	**164**	**90.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
415	**1000**	**10 - 240**	**8-600**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	1000	1100
415 / 240	420 / -	420 / -	415 / 240
240	-	-	10-240
8 - 500	8-600	8-600	-
10 - 240			
12 / 13 / 38			
25 - 240			
12 / 13 / 42			
-			
- / - / -			
M12			
14 - 30			
PA			
V0			

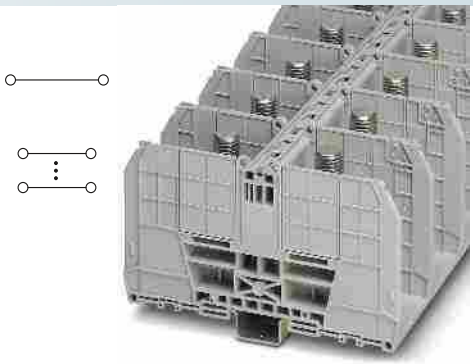
Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
RBO 12		3244627	5
RBO 12 BU		3244629	5
RBO 12-FE		3244628	5

Accessories[1])

RBO 12-VS 2	415 A	3244669	10
RBO 12-VS 3	415 A	3244672	10
HC-RBO 12		3247983	6
HC-RBO 12 BU		3247985	6
HC-RBO 12-FE		3247984	6
E/AL-NS 35		1201662	10
KLM 3-L		0814788	100

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)



300 (300) mm², 520 A, feed-through terminal block, for DIN rail and direct mounting

Ex: EAC Ex
SEV13ATEX0132U / IECEx SEV13.0003U

Technical data

Width	Length	Height NS 35/15	
54.8	**164**	**99.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
520	**1000**	**25 - 300**	**4-1000**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	1000	1100
520 / 300	540 / -	540 / -	520 / 300
300	-	-	25-300
4 - 600	4-1000	4-1000	-
25 - 240			
16 / 17 / 38			
50 - 300			
16 / 17 / 48			
-			
- / - / -			
M16			
25 - 35			
PA			
V0			

Ordering data

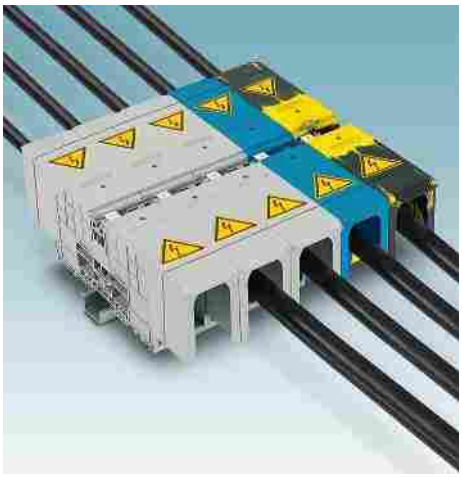
Type	I_{max}	Order No.	Pcs./Pkt.
RBO 16		3244630	5
RBO 16 BU		3244632	5
RBO 16-FE		3244631	5
RBO 16-3L/N		3076277	1

Accessories[1])

RBO 16-VS 2	520 A	3244685	10
RBO 16-VS 3	520 A	3244698	10
HC-RBO 16		3247996	6
HC-RBO 16 BU		3247998	6
HC-RBO 16-FE		3247997	6
E/AL-NS 35		1201662	10
KLM 3-L		0814788	100

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)

RBO bolt connection terminal blocks with covering hoods, for ring- and fork-type cable lugs

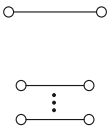


- With protective covers
- Compact connection with ring- and fork-type cable lugs
- Potential distribution with connection rails
- The covering hoods for the RBO 10, RBO 12, and RBO 16 bolt terminal blocks can be sealed to prevent unauthorized opening. The lugs that can be snapped on for this purpose are supplied as standard
- The RBO 10, RBO 12, and RBO 16 have a 4 mm test connection at the center of the terminal block
- The covering hoods can be custom-marked using the following labels: 0830433 PML-W101 (25X25)

Notes:

[1]) For information on installation and using accessories for Ex applications, see page 678.

[2]) Cable lug must be insulated with shrink sleeve.



70 (70) mm², 192 A, feed-through terminal block, for DIN rail and direct mounting

EAC
Ex: EAC Ex
SEV13ATEX0132U / IECEx SEV13.0003U

Technical data

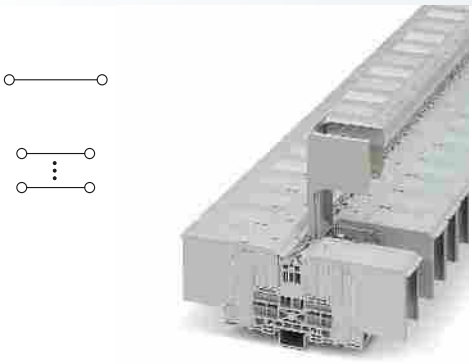
Dimensions					
	[mm]	Width	Length	Height NS 35/15	
		29	**184**	**74.5**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		192	**1500[2])**	**6 - 70**	**-**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1500[2])	600	-	690
Nominal current / cross section	[A] / [mm²]	192 / 70	175 / -	-	187 / 70
Rated cross section	[mm²]	70	-	-	2.5-70
Cross section range	AWG	8 - 2/0	-	-	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	2.5 - 70			
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 22			
Connection capacity, DIN 46235					
Cable lugs DIN 46235	[mm²]	16 - 70			
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 24			
Connection capacity, DIN 46237					
Cable lugs DIN 46237	[mm²]	2.5 - 6			
Connection bolt / hole diameter / width	[mm]	8 / 8.4 / 14			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Bolt thread		M8			
Tightening torque	[Nm]	6 - 12			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Bolt connection terminal blocks, with covering hood, for direct mounting or mounting on NS 35/15		gray	**RBO 8-HC**		3247973	5
		blue	**RBO 8-HC BU**		3247974	5
		black/yellow	**RBO 8-FE-HC**		3247975	5

Accessories[1])

Connection rail, for cross connection of high-current connectors						
	2	silver	**RBO 8-VS 2**	192 A	3213179	10
	3	silver	**RBO 8-VS 3**	192 A	3213182	10
End bracket, aluminum, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be marked with ZB 10, for mounting on NS 35...		silver	**E/AL-NS 35**		1201662	10
Terminal strip marker, adjustable height, for end clamp CLIPFIX ..., can be labeled with EML (20x8) label or directly with B-STIFT or X-PEN		gray				
Center groove labeling			**UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)**			



150 (150) mm², 309 A, feed-through terminal block, for DIN rail and direct mounting

Ex: EAC Ex
SEV13ATEX0132U / IECEx SEV13.0003U

Technical data

Width	Length	Height NS 35/15	
41	**235**	**84.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
309	**1500²)**	**6 - 150**	**10-350**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1500²)	600	1000	1100
309 / 150	310 / -	310 / -	309 / 150
150	-	-	6-150
10 - 300	10-350	10-350	-
6 - 150			
10 / 10.5 / 30			
16 - 150			
10 / 10.5 / 34			
6 - 6			
10 / 10.5 / 18			
6.00 mm²			
M10			
10 - 20			
PA			
V0			

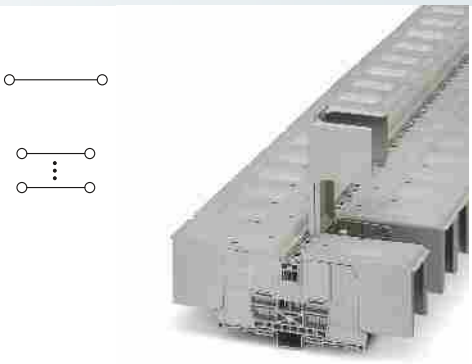
Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
RBO 10-HC		3247976	5
RBO 10-HC BU		3247977	5
RBO 10-FE-HC		3247978	5

Accessories¹)

RBO 10-VS 2	309 A	3244643	10
RBO 10-VS 3	309 A	3244656	10
E/AL-NS 35		1201662	10
KLM 3-L		0814788	100

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)



240 (240) mm², 415 A, feed-through terminal block, for DIN rail and direct mounting

Ex: EAC Ex
SEV13ATEX0132U / IECEx SEV13.0003U

Technical data

Width	Length	Height NS 35/15	
49	**265**	**90.8**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
415	**1500**	**10 - 240**	**8-600**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1500	600	1000	1100
415 / -	420 / -	420 / -	415 / 240
240	-	-	10-240
8 - 500	8-600	8-600	-
10 - 240			
12 / 13 / 38			
25 - 240			
12 / 13 / 42			
-			
- / - / -			
M12			
14 - 30			
PA			
V0			

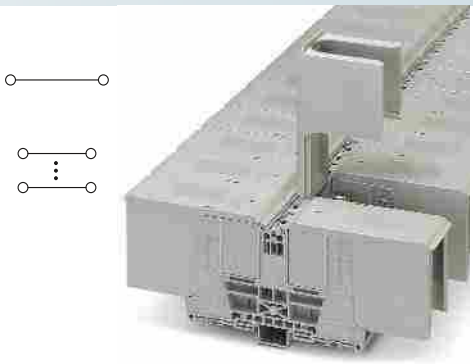
Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
RBO 12-HC		3247986	5
RBO 12-HC BU		3247987	5
RBO 12-FE-HC		3247988	5

Accessories¹)

RBO 12-VS 2	415 A	3244669	10
RBO 12-VS 3	415 A	3244672	10
E/AL-NS 35		1201662	10
KLM 3-L		0814788	100

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)



300 (300) mm², 520 A, feed-through terminal block, for DIN rail and direct mounting

Ex: EAC Ex
SEV13ATEX0132U / IECEx SEV13.0003U

Technical data

Width	Length	Height NS 35/15	
54.8	**283.5**	**99.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
520	**1500²)**	**25 - 300**	**4-1000**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1500²)	600	1000	1100
520 / 300	540 / -	540 / -	520 / 300
300	-	-	25-300
4 - 600	4-1000	4-1000	-
25 - 240			
16 / 17 / 38			
50 - 300			
16 / 17 / 48			
-			
- / - / -			
M16			
25 - 35			
PA			
V0			

Ordering data

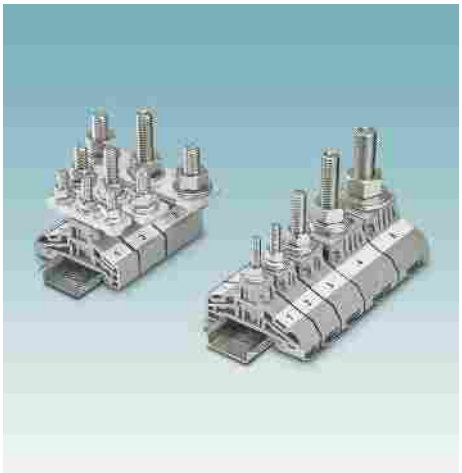
Type	I_{max}	Order No.	Pcs./Pkt.
RBO 16-HC		3247989	5
RBO 16-HC BU		3247990	5
RBO 16-FE-HC		3247991	5

Accessories¹)

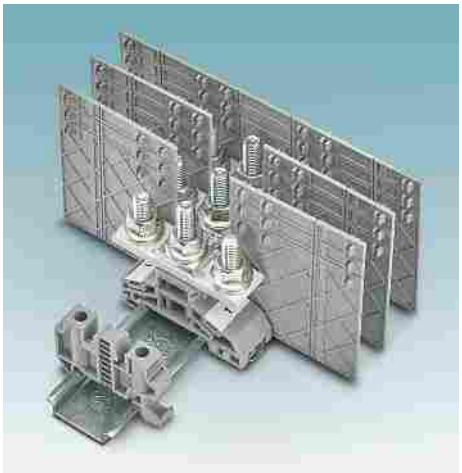
RBO 16-VS 2	520 A	3244685	10
RBO 16-VS 3	520 A	3244698	10
E/AL-NS 35		1201662	10
KLM 3-L		0814788	100

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)

HV ... high-current connectors



– Secure connection of up to four conductors with cable lugs in accordance with DIN 46234, 46235, and 46237 in very tight spaces
– Spring washers are used to prevent hexagonal nuts from loosening
– Extensive range of accessories for safe and comfortable wiring of conductors up to 120 mm²

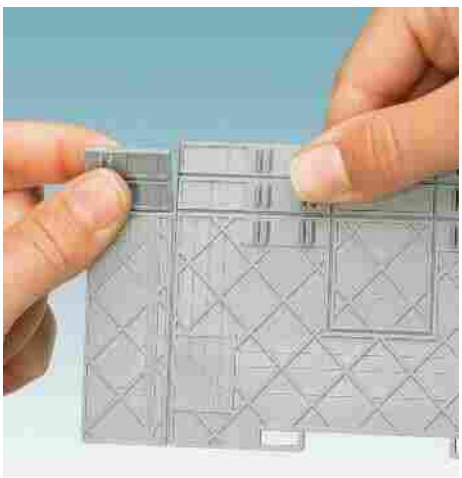


– Two and three-pos. connection rails are available for potential distribution
– The feed-through window provided in the partition plates can be easily removed for mounting the connection rails

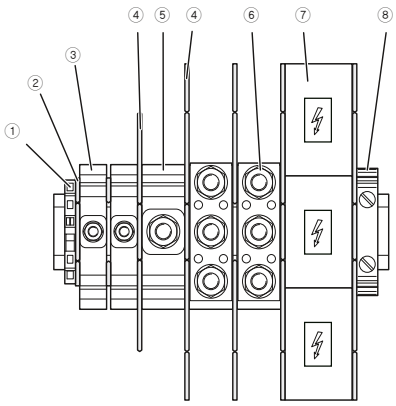
Notes:

Further technical notes and connection conditions are to be found on page 682.

Dimensions	
	[mm]
Maximum electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity, bolt connection	
Cable lugs, DIN 46234	[mm²]
Cable lugs DIN 46235	[mm²]
Cable lugs DIN 46237	[mm²]
General data	
Bolt length	[mm]
Screw thread	
Tightening torque	[Nm]
Insulating material	
Flammability rating in accordance with UL 94	

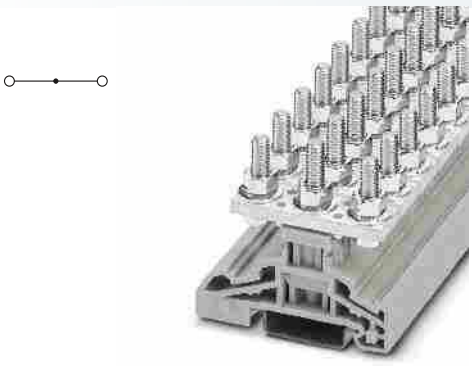


– Two different partition plates can be used for the family of single and twin bolt terminal blocks
– Labeling the partition plates allows their height and length to be adapted at the respective bolt terminal blocks

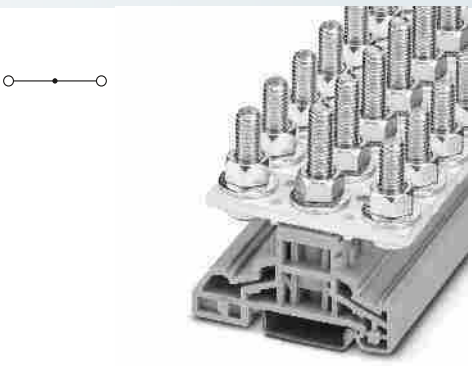


① CLIPFIX 35-5 end bracket
② HV M12/1-TP partition plate
③ HV M5/1 or
HV M6/1 high-current connectors
HV M12/2-TP partition plate
HV M8/1, HV M10/1 or
HV M12/1 high-current connectors
HV M6/2, HV M8/2 or
HV M10/2 high-current connectors
HV M10/1-AP cover
E/AL-NS 35 end bracket

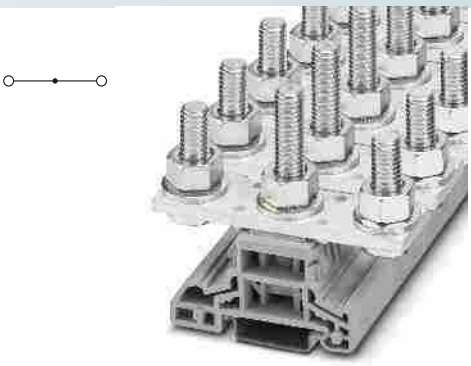
Description	No. of pos.	Color
High-current connectors, for mounting on NS 35...		gray
Connection rail, for cross connection of high-current connectors		
	2	silver
	3	silver
Reducing bridge, for connecting HV M8/1 to HV M6/1		
	2	silver
Reducing bridge, for connecting HV M10/1 to HV M6/1		
	3	silver
Separating plate		gray
Cover		gray
Adhesive warning plate, self-adhesive, black print: Lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 13 x 23.5 mm		yellow/black
Adhesive warning plate, self-adhesive, black print: Lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 32 x 26 mm		yellow/black
End bracket, for snapping onto NS 35, 5.15 mm wide, can be marked with ZB 5 and UCT-EM (30X5), parking option for bridges and test plugs		gray
End bracket, aluminum, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be marked with ZB 10, for mounting on NS 35...		silver
Lateral groove labeling		



35 (35) mm², 125 A, M6 bolt terminal block



50 (50) mm², 150 A, M8 bolt terminal block



120 (120) mm², 269 A, M10 bolt terminal block

EAC

Technical data

Width	Length	Height NS 35/7,5	
16	**67**	**58**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
125	**1000**	**2.5 - 35**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
125 / 35	-	120 / -	-
35	-	-	-
-	-	-4	-
2.5 - 35			
6 - 35			
2.5 - 6			
16			
M6			
3 - 6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
HV M6/2		3049547	25

Accessories

HV M6/1-VS 2	125 A	3049262	10
HV M6/1-VS 3	125 A	3049275	10
HV M12/2-TP		3049709	25
HV M6/1-AP		3049903	25
WS-4K		1004584	10
CLIPFIX 35-5		3022276	50

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)

EAC

Technical data

Width	Length	Height NS 35/7,5	
21	**67**	**66**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
150	**1000**	**2.5 - 50**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
150 / 50	-	130 / -	-
50	-	-	-
-	-	-3	-
2.5 - 50			
6 - 35			
- 10			
21			
M8			
6 - 12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
HV M8/2		3049550	25

Accessories

HV M8/1-VS 2	150 A	3049369	10
HV M8/1-VS 3	150 A	3049372	10
HV M8/1 M6/1-STL		3071094	10
HV M12/2-TP		3049709	25
HV M8/1-AP		3049398	25
WS-4K		1004584	10
E/AL-NS 35		1201662	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)

EAC

Technical data

Width	Length	Height NS 35/7,5	
32	**67**	**76**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
269	**1000**	**6 - 120**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
269 / 120	-	225 / -	-
120	-	-	-
-	-	-00	-
6 - 120			
10 - 95			
- 6			
26			
M10			
10 - 20			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
HV M10/2		3049563	10

Accessories

HV M10/1-VS 2	269 A	3049466	10
HV M10/1-VS 3	269 A	3049479	10
HV M10/1 M6/1-STL2		3071081	10
HV M12/2-TP		3049709	25
HV M10/1-AP		3049495	10
WS-4K		1004584	10
WS-2K		1004513	10
E/AL-NS 35		1201662	10

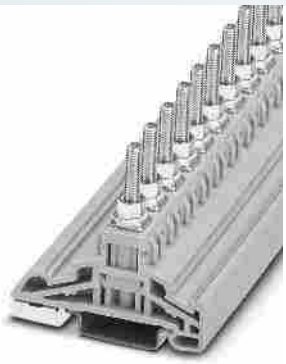
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)

HV ... high-current connectors

- The bolt connection terminal blocks for cable lugs in accordance with DIN 46234, DIN 46235 and DIN 46237 are available as part of the high-current connector UHV ... range
- For connecting a maximum of four conductors
- Versions with connection bolts of between M5 and M12
- Extensive, supplementary accessories

Notes:

Further technical notes and connection conditions are to be found on page 682.



16 (16) mm², 76 A, M5 bolt terminal block

35 (35) mm², 125 A, M6 bolt terminal block

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**13**	**67**	**58**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	76	**1000**	**0.1 - 16**	**-**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	1000	-	1000	-
Nominal current / cross section [A] / [mm²]	76 / 16	-	60 / -	-
Rated cross section [mm²]	16	-	-	-
Cross section range AWG	-	-	-8	-
Connection capacity, bolt connection				
Cable lugs, DIN 46234 [mm²]	0.1 - 16			
Cable lugs DIN 46235 [mm²]	6 - 10			
Cable lugs DIN 46237 [mm²]	1 - 6			
General data				
Bolt length [mm]	22.5			
Screw thread	M5			
Tightening torque [Nm]	2 - 4			
Insulating material	PA			
Flammability rating in accordance with UL 94	V0			

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**16**	**67**	**58**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	125	**1000**	**1.5 - 35**	**-**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	1000	-	1000	-
Nominal current / cross section [A] / [mm²]	125 / 35	-	115 / -	-
Rated cross section [mm²]	35	-	-	-
Cross section range AWG	-	-	-4	-
Connection capacity, bolt connection				
Cable lugs, DIN 46234 [mm²]	2.5 - 35			
Cable lugs DIN 46235 [mm²]	6 - 35			
Cable lugs DIN 46237 [mm²]	2.5 - 6			
General data				
Bolt length [mm]	22.5			
Screw thread	M6			
Tightening torque [Nm]	3 - 6			
Insulating material	PA			
Flammability rating in accordance with UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
High-current connectors, for mounting on NS 35...		gray	**HV M5/1**		3049107	25

Ordering data

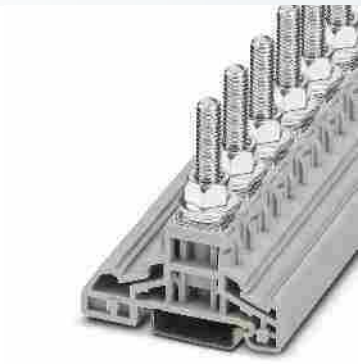
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
High-current connectors, for mounting on NS 35...		gray	**HV M6/1**		3049204	25

Accessories

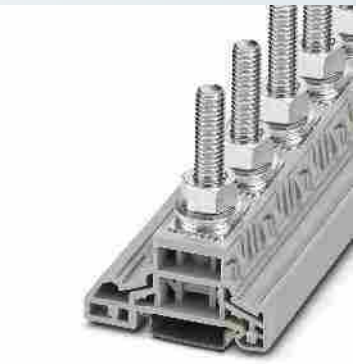
Connection rail, for cross connection of high-current connectors						
	2	silver	**HV M5/1-VS 2**	76 A	3049437	10
	3	silver	**HV M5/1-VS 3**	76 A	3049440	10
Reducing bridge, for connecting HV M8/1 to HV M6/1						
	2	silver				
Reducing bridge, for connecting HV M10/1 to HV M6/1						
	3	silver				
Separating plate		gray	**HV M12/1-TP**		3049602	25
Cover		gray	**HV M5/1-AP**		3049806	25
Adhesive warning plate, self-adhesive, black print: Lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 13 x 23.5 mm		yellow/black	**WS-4K**		1004584	10
Adhesive warning plate, self-adhesive, black print: Lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 32 x 26 mm		yellow/black				
End bracket, for snapping onto NS 35, 5.15 mm wide, can be marked with ZB 5 and UCT-EM (30X5), parking option for bridges and test plugs		gray	**CLIPFIX 35-5**		3022276	50
End bracket, aluminum, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be marked with ZB 10, for mounting on NS 35...		silver				
Lateral groove labeling			**UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)**			

Accessories

Connection rail, for cross connection of high-current connectors						
	2	silver	**HV M6/1-VS 2**	125 A	3049262	10
	3	silver	**HV M6/1-VS 3**	125 A	3049275	10
Reducing bridge, for connecting HV M8/1 to HV M6/1						
	2	silver				
Reducing bridge, for connecting HV M10/1 to HV M6/1						
	3	silver				
Separating plate		gray	**HV M12/1-TP**		3049602	25
Cover		gray	**HV M6/1-AP**		3049903	25
Adhesive warning plate, self-adhesive, black print: Lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 13 x 23.5 mm		yellow/black	**WS-4K**		1004584	10
Adhesive warning plate, self-adhesive, black print: Lightning flash with mixed version: "Vorsicht Spannung – Attention Danger" size of label: 32 x 26 mm		yellow/black				
End bracket, for snapping onto NS 35, 5.15 mm wide, can be marked with ZB 5 and UCT-EM (30X5), parking option for bridges and test plugs		gray	**CLIPFIX 35-5**		3022276	50
End bracket, aluminum, for screwing on, for end support of 50 - 300 mm² terminal blocks, can be marked with ZB 10, for mounting on NS 35...		silver				
Lateral groove labeling			**UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)**			



50 (50) mm², 150 A, M8 bolt terminal block



120 (120) mm², 269 A, M10 bolt terminal block

120 (120) mm², 269 A, M12 bolt terminal block

EAC

Technical data

Width	Length	Height NS 35/7,5	
21	**67**	**66**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
150	**1000**	**1.5 - 50**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
150 / 50	-	125 / -	-
50	-	-	-
-	-	-3	-
2.5 - 50			
6 - 35			
6 - 10			
30.5			
M8			
6 - 12			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
HV M8/1		3049301	25

Accessories

HV M8/1-VS 2	150 A	3049369	10
HV M8/1-VS 3	150 A	3049372	10
HV M8/1 M6/1-STL		3071094	10
HV M12/2-TP		3049709	25
HV M8/1-AP		3049398	25
WS-4K		1004584	10
CLIPFIX 35-5		3022276	50

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)

EAC

Technical data

Width	Length	Height NS 35/7,5	
32	**67**	**76**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
269	**1000**	**1.5 - 120**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
269 / 120	-	220 / -	-
120	-	-	-
-	-	-00	-
6 - 120			
10 - 95			
- 6			
40.5			
M10			
10 - 20			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
HV M10/1		3049408	10

Accessories

HV M10/1-VS 2	269 A	3049466	10
HV M10/1-VS 3	269 A	3049479	10
HV M10/1 M6/1-STL2		3071081	10
HV M12/2-TP		3049709	25
HV M10/1-AP		3049495	10
WS-4K		1004584	10
WS-2K		1004513	10
E/AL-NS 35		1201662	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)

EAC

Technical data

Width	Length	Height NS 35/7,5	
32	**67**	**76**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
269	**1000**	**6 - 120**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	1000	-
269 / 120	-	220 / -	-
120	-	-	-
-	-	-00	-
6 - 120			
10 - 95			
-			
40.5			
M12			
14 - 31			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
HV M12/1		3049505	10

Accessories

HV M12/1-VS 2	269 A	3049631	10
HV M12/1-VS 3	269 A	3049644	10
HV M12/2-TP		3049709	25
HV M10/1-AP		3049495	10
WS-4K		1004584	10
WS-2K		1004513	10
E/AL-NS 35		1201662	10

UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)

QT
PT
ST
UT

Accessories

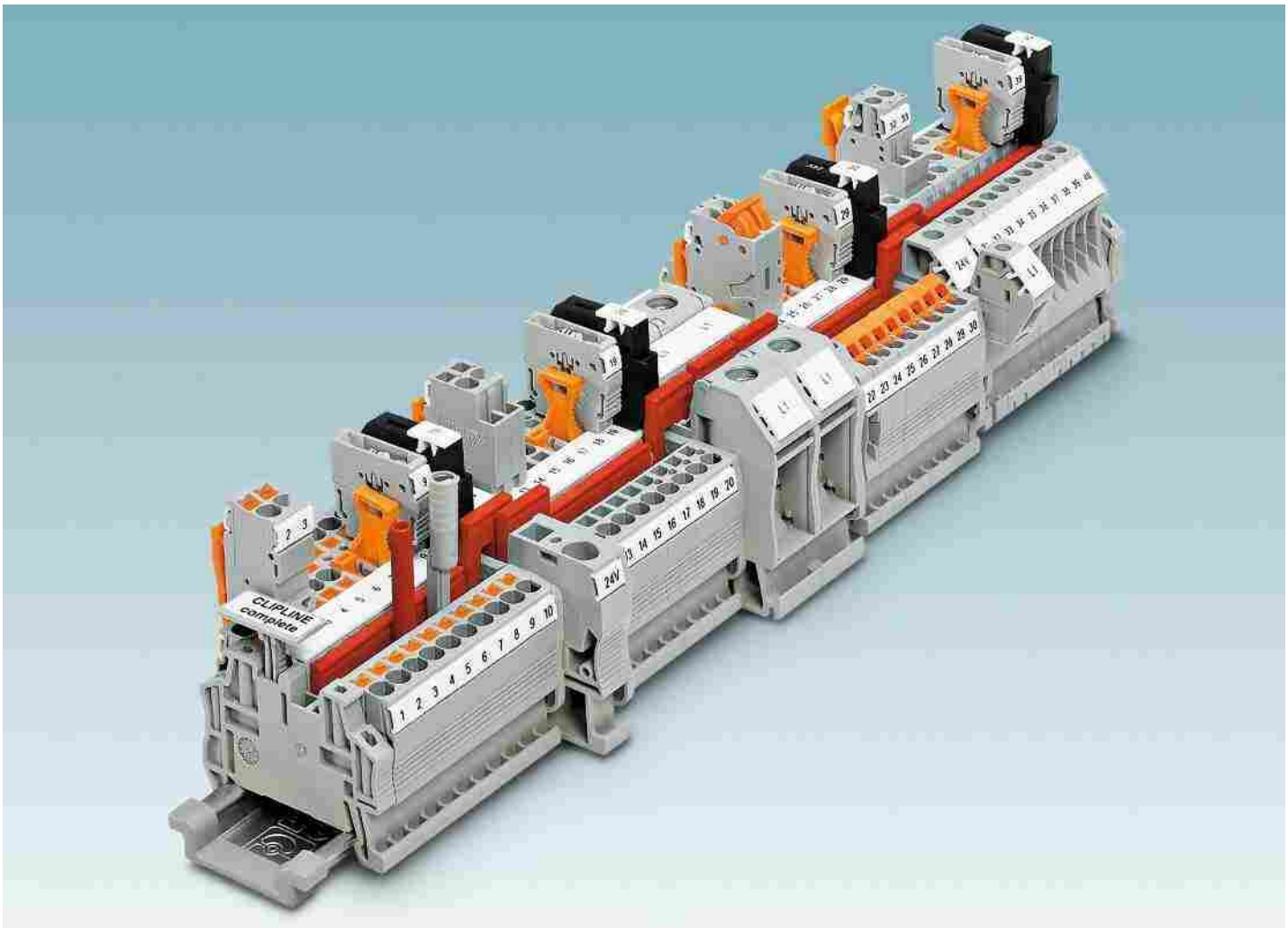
The CLIPLINE complete system offers you a uniform range of accessories for all connection technologies.

Marking and test accessories are standardized and reduce logistics costs. In addition, all terminal blocks of the CLIPLINE complete system can be freely combined with each other using the double function shaft. All disconnect terminal blocks in the CLIPLINE complete system have a standardized disconnect zone. Various function connectors are available for use in the disconnect terminal blocks. Isolating connectors are used for simple disconnection. The fuse connectors are designed for the use of cartridge fuse inserts. The patented component connector allows you to mount components quickly, without the risk of polarity reversal, and without the need for soldering.

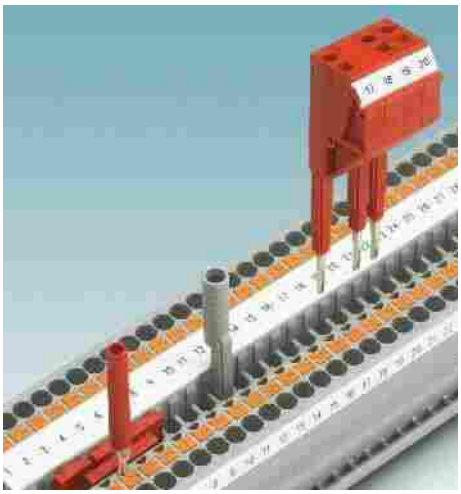
Your web code: #1402

Product range overview

Accessories	**400**
Plug-in bridges	**402**
Reducing bridges table	**408**
Test plugs and test adapters	**410**
Fuse, isolating, and component connectors	**414**
Marker carriers	**418**
Terminal block group marking	**419**
Warning labels	**420**

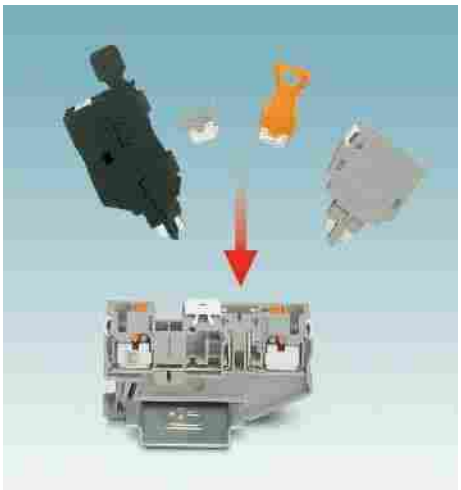


Your web code: #1402



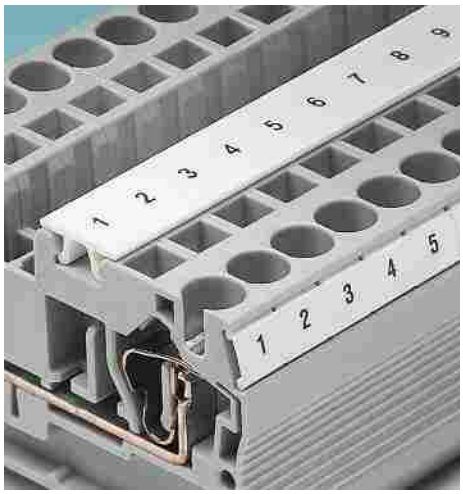
Function shaft

All the terminal blocks in the CLIPLINE complete system have function shafts to allow fast and individual potential distribution through plug-in bridges and simple testing.



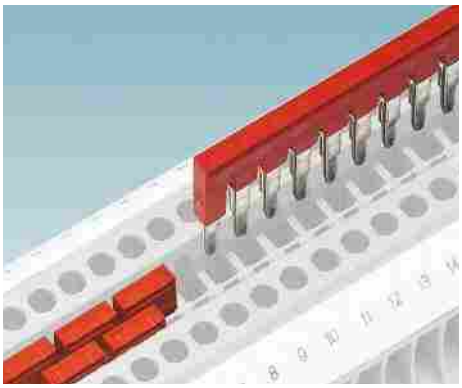
Multifunctional disconnect zone

All the disconnect terminal blocks in the CLIPLINE complete system have a standardized disconnect zone. Various functional inserts are available for use in the disconnect terminal blocks.

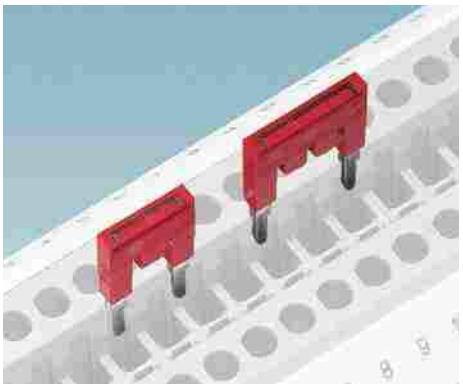


Marking

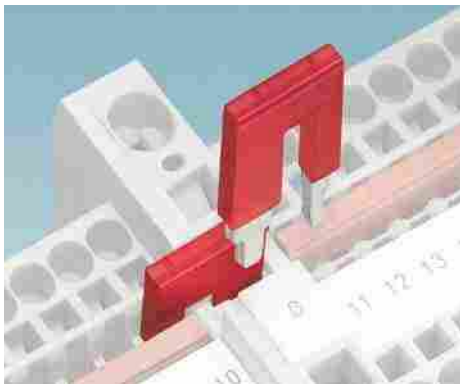
All terminal points in the terminal blocks of the CLIPLINE complete system can have large markings. Optional snap-on large marker carriers are available for group and terminal strip marking.



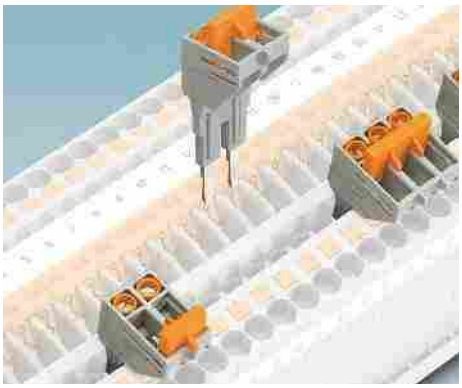
The bridge shafts are arranged in a line across all terminal blocks allowing for a combination of connection methods. The 2- to 50-pos. plug-in bridges allow all potential bridging tasks to be undertaken at speed.



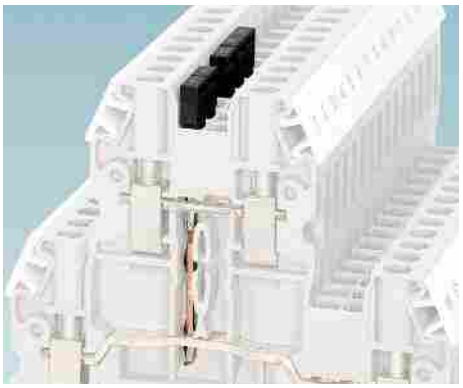
Bridging between non-adjacent terminal blocks is established by removing individual contact tabs from the standard bridge. Two potentials can then be routed in parallel through a terminal strip. The contact points can also be marked.



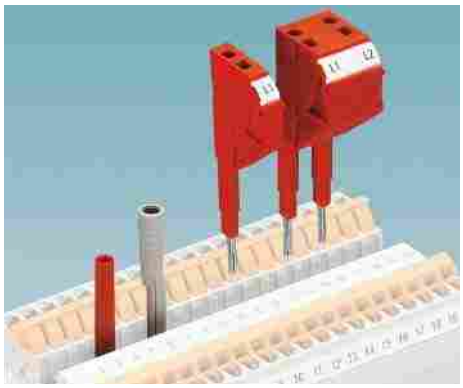
The reducing bridge enables terminal blocks with different nominal cross-sections to be connected with ease, e.g. a ST 10 terminal block with an ST 2,5. Power blocks can be created quickly using the reducing bridge.



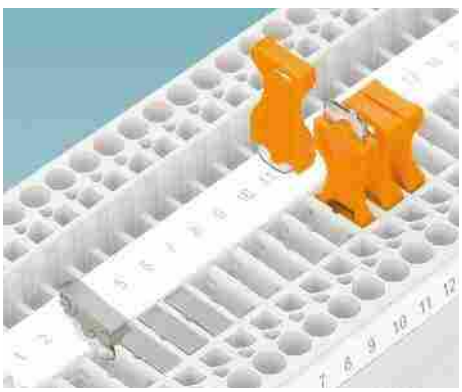
The plug-in SB-ME bridge bars make contact by being securely latched into the function shaft. They create a removable connection between neighboring terminal blocks. This enables a transformer short circuit to be created in measuring transducer disconnect terminal blocks, for example.



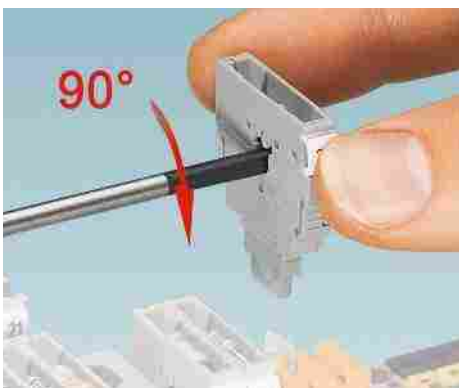
Vertical bridge to connect the upper and the lower levels of a double-level terminal block. The vertical bridge can be easily connected later through the function shaft of the upper level to the lower level.



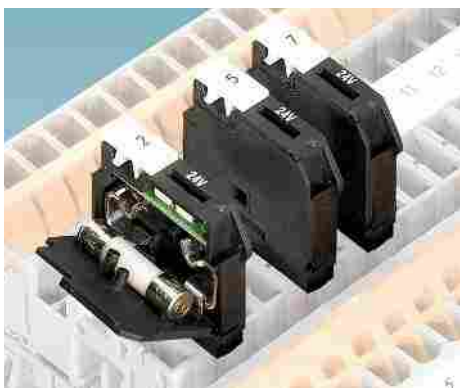
A test plug with a diameter of 2.3 mm is available for measuring lines and a test adapter with a diameter of 4 mm is available for safety test plugs. Test adapters can be implemented quickly with the alignable test plug.



The P-DI isolating connector can be removed to release the connection easily, and then "parked" back to front in the disconnect zone. The P-FIX contact metal seals the disconnect point with the same shape and cannot be removed again once fitted.

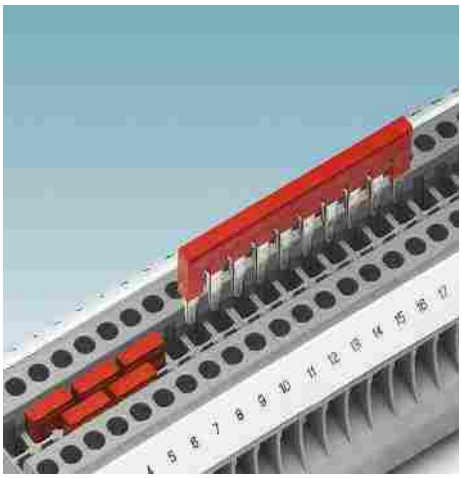


The patented component connector P-CO allows components to be quickly and reliably accommodated using spring-loaded contacts and to be connected without the risk of reverse polarity.



The fuse connectors P-FU are intended to accommodate cartridge fuse inserts. The fuse used can be checked visually via the LED.

Plug-in bridges FBS ...



– To allow individual potential distribution, the terminal blocks of the CLIPLINE complete system have two bridge shafts
– The 2- to 50-pos. bridges can bridge up to 50 terminal blocks in one step in these bridge shafts

Designation of bridges

– The last digit in the bridge designation indicates the width of the terminal block. An FBS ...-4 bridge can be used with CLIPLINE complete terminal blocks with a width of 4.2 mm, and an FBS ...-6 bridge can be used with terminal blocks with a width of 6.2 mm

Notes:

The current values for the FBS ... bridges can deviate when used in different modular terminal blocks. The precise values can be found in the accessories data for the respective modular terminal blocks.

Plug-in bridge, red

EAC

Ordering data

Description	No. of pos.	Type	I_{max}	Order No.	Pcs./Pkt.
Plug-in bridge					
	2	**FBS 2-3,5**	17.5 A	3213014	50
	3	**FBS 3-3,5**		3213027	50
	4	**FBS 4-3,5**		3213030	50
	5	**FBS 5-3,5**		3213043	50
	10	**FBS 10-3,5**		3213056	50
	20	**FBS 20-3,5**		3213069	50
	50	**FBS 50-3,5**		3000706	10
Plug-in bridge					
	2	**FBS 2-4**	17.5 A	3030116	50
	3	**FBS 3-4**		3030129	50
	4	**FBS 4-4**		3030132	50
	5	**FBS 5-4**		3030145	50
	10	**FBS 10-4**		3030158	10
	20	**FBS 20-4**		3030352	10
Plug-in bridge					
	2	**FBS 2-5**	24 A	3030161	50
	3	**FBS 3-5**		3030174	50
	4	**FBS 4-5**		3030187	50
	5	**FBS 5-5**		3030190	50
	10	**FBS 10-5**		3030213	10
	20	**FBS 20-5**		3030226	10
	50	**FBS 50-5**		3038930	10
Plug-in bridge					
	2	**FBS 2-6**	32 A	3030336	50
	3	**FBS 3-6**		3030242	50
	4	**FBS 4-6**		3030255	50
	5	**FBS 5-6**		3030349	50
	10	**FBS 10-6**		3030271	10
	20	**FBS 20-6**		3030365	10
	50	**FBS 50-6**		3032224	10
Plug-in bridge					
	2	**FBS 2-8**	41 A	3030284	10
	3	**FBS 3-8**		3030297	10
	4	**FBS 4-8**		3030307	10
	5	**FBS 5-8**		3030310	10
	6	**FBS 6-8**		3032470	10
	10	**FBS 10-8**		3030323	10
Plug-in bridge					
	2	**FBS 2-10**	50 A	3005947	10
	5	**FBS 5-10**		3005948	10
Plug-in bridge					
	2	**FBS 2-12**	76 A	3005950	10
Plug-in bridge					
	2	**FBS 2-16**	101 A	3005963	10
Pre-assembled bridge, labeled					
3-pos., positions 1, 3	3	**FBS 1/3-8**	41 A	3032363	10
4-pos., positions 1, 4	4	**FBS 1/4-8**		3032376	10
5-pos., positions 1, 3, 5	5	**FBS 1/3/5-8**		3032389	10
10-pos., positions 1, 4, 7, 10	10	**FBS 1/4/7/10-8**		3032402	10
8-pos., positions 1, 2, 4, 6-8	4	**FBS 1/2/4/6-8**		3032378	10

Accessories

Cover cap, provides reliable touch protection when using cut-to-length FBS ...-5 and FBS ...-6 bridges	red	**FBSC**		3012325	50

Plug-in bridge, blue

Plug-in bridge, gray

Plug-in bridge, orange

EAC

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
FBS 2-3,5 BU	17.5 A	3213086	50
FBS 3-3,5 BU		3213099	50
FBS 4-3,5 BU		3213109	50
FBS 5-3,5 BU		3213112	50
FBS 10-3,5 BU		3213125	50
FBS 20-3,5 BU		3213138	50
FBS 50-3,5 BU		3000708	10
FBS 2-4 BU	17.5 A	3030117	50
FBS 3-4 BU		3030130	50
FBS 4-4 BU		3030133	50
FBS 5-4 BU		3030146	50
FBS 10-4 BU		3036851	10
FBS 20-4 BU		3030353	10
FBS 2-5 BU	24 A	3036877	50
FBS 3-5 BU		3036880	50
FBS 4-5 BU		3036893	50
FBS 5-5 BU		3036903	50
FBS 10-5 BU		3036916	10
FBS 20-5 BU		3036929	10
FBS 50-5 BU		3032114	10
FBS 2-6 BU	32 A	3036932	50
FBS 3-6 BU		3036945	50
FBS 4-6 BU		3036958	50
FBS 5-6 BU		3036961	50
FBS 10-6 BU		3032198	10
FBS 20-6 BU		3032208	10
FBS 50-6 BU		3032211	10
FBS 2-8 BU	41 A	3032567	10
FBS 3-8 BU		3032570	10
FBS 4-8 BU		3032583	10
FBS 5-8 BU		3032596	10
FBS 6-8 BU		3032677	10
FBS 10-8 BU		3032606	10

Accessories

FBSC	3012325	50

EAC

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
FBS 2-3,5 GY	17.5 A	3213153	50
FBS 3-3,5 GY		3213167	50
FBS 4-3,5 GY		3213180	50
FBS 5-3,5 GY		3213183	50
FBS 10-3,5 GY		3213196	50
FBS 20-3,5 GY		3213206	50
FBS 50-3,5 GY		3000707	10
FBS 2-4 GY	17.5 A	3030118	50
FBS 3-4 GY		3030131	50
FBS 4-4 GY		3030134	50
FBS 5-4 GY		3030147	50
FBS 10-4 GY		3030160	10
FBS 20-4 GY		3030354	10
FBS 2-5 GY	24 A	3038969	50
FBS 3-5 GY		3038972	50
FBS 4-5 GY		3038985	50
FBS 5-5 GY		3038998	50
FBS 10-5 GY		3039007	10
FBS 20-5 GY		3038671	10
FBS 50-5 GY		3032127	10
FBS 2-6 GY	32 A	3032237	50
FBS 3-6 GY		3032240	50
FBS 4-6 GY		3032279	50
FBS 5-6 GY		3032266	50
FBS 10-6 GY		3032253	10
FBS 2-8 GY	41 A	3032621	10
FBS 3-8 GY		3032622	10
FBS 4-8 GY		3032635	10
FBS 5-8 GY		3032648	10
FBS 6-8 GY		3032664	10
FBS 10-8 GY		3032651	10

Accessories

FBSC	3012325	50

EAC

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
FBS 2-8 CT	41 A	3033830	10
FBS 3-8 CT		3033831	10
FBS 4-8 CT		3033832	10
FBS 10-8 CT		3033833	10

Accessories

FBSC	3012325	50

Accessories

FBS-PV ... vertical potential bridges

– Potential bridge for subsequent connection of the upper and the lower levels of a double-level terminal block
– The FBS-PV PT 2,5-4L vertical bridge can be used with the PT 2,5-4L ... terminal blocks
– The FBS-PV UT vertical bridge can be used with the UTTB 2,5, UTTB 4, PT 2,5-PE/3L, and PT 4-PE/3L

EAC

Description	No. of pos.
Vertical potential bridge, to connect the upper and lower level	1

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
FBS-PV PT 2,5-4L	10 A	3012318	50

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
FBS-PV UT	22 A	3047358	50

FBS-PV ... vertical potential bridges

– The vertical bridge FBS-PV can be used with the STTBS 2,5, STTBS 4, PTTB 2,5, PTTB 4, PTTBS 2,5, QTTCB 1,5, and STTB 2,5/4P
– The vertical bridge FBS 1,5/S-PV can be used with the PTTB 1,5/S, PT 1,5/S-3L, and PT 1,5/S-PE/L/L

EAC

EAC

Description	No. of pos.
Vertical potential bridge, to connect the upper and lower level	1

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
FBS-PV	32 A	3032185	50

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
FBS 1,5/S-PV	16 A	3216263	10

FBSW ... plug-in wire bridge

- Wires of different lengths are used to connect individual terminal blocks with different terminal widths and the plug-in bridge shaft
- For a terminal width of 5.2 mm and 6.2 mm

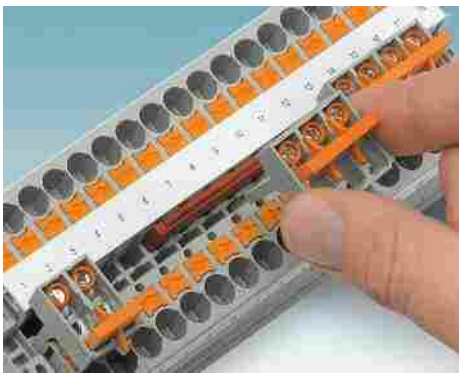
Description	No. of pos.
Wire bridge	
Length 60 mm	1
Length 110 mm	1
Length 250 mm	1

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
FBSW 2-5/60MM	10 A	3030170	10
FBSW 2-5/110MM		3030171	10
FBSW 2-5/250MM		3030172	10

FBSR(H) ... plug-in bridges and SB-ME ... switching bridges

Notes:
The switching bridges also snap into the function shaft and occupy both bridge shafts.
The FBSR ... bridges have a reduced current carrying capacity in comparison with the standard FBS ... bridges.



Plug-in bridge

FBSRH

– The FBSRH ...-8 bridges have a molded extraction tool which means that they can be used conveniently and without tools for individual bridging tasks. This enables a transformer short circuit to be created in measuring transducer disconnect terminal blocks, for example

SB-ME

– The plug-in SB-ME bridge bars make contact by being securely latched into the function shaft. They create a removable connection between neighboring terminal blocks. This enables a transformer short circuit to be created in measuring transducer disconnect terminal blocks, for example

Designation of bridges

– The last digit in the bridge designation indicates the width of the terminal block. An FBSR ...-5 bridge can be used with CLIPLINE complete terminal blocks with a width of 5.2 mm, and an FBSR ...-6 bridge can be used with terminal blocks with a width of 6.2 mm

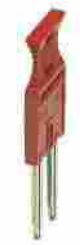
EAC

Ordering data

Description	No. of pos.	Type	I_{max}	Order No.	Pcs./Pkt.
Plug-in bridge					
	2	**FBSR 2-5**	17.5 A	3033702	50
	3	**FBSR 3-5**		3001591	50
	4	**FBSR 4-5**		3001592	50
	5	**FBSR 5-5**		3001593	50
	10	**FBSR 10-5**		3033710	10
Plug-in bridge					
	2	**FBSR 2-6**	24 A	3033715	50
	3	**FBSR 3-6**		3001594	50
	4	**FBSR 4-6**		3001595	50
	5	**FBSR 5-6**		3001596	50
	10	**FBSR 10-6**		3033716	10
Plug-in bridge					
	2	**FBSR 2-8**	32 A	3033808	10
	3	**FBSR 3-8**		3001597	10
	4	**FBSR 4-8**		3000585	10
	5	**FBSR 5-8**		3033809	10
	10	**FBSR 10-8**		3001599	10
	16	**FBSR 16-8**		3033816	10
Bridge, with extraction tool					
	2				
Bridge, with extraction tool					
	2				
	3				
	4				
Switching bridge, plug-in					
	2				
	3				
	4				
Switching bridge, plug-in					
	2				
	3				
	4				
Switching bridge, plug-in					
	2				
	3				
	4				

Accessories

Cover cap, provides reliable touch protection when using cut-to-length FBS ...-5 and FBS ...-6 bridges	red	**FBSC**	3012325	50
Partition plate, with storage option for switching bridges	gray			



**Plug-in bridge,
with and without extraction tool**

**30 A, switching bridge,
plug-in with additional latching**

**25 A switching bridge,
plug-in**

EAC

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
FBSRH 2-6	24 A	3033812	10
FBSRH 2-8	32 A	3033802	10
FBSRH 3-8		3033803	10
FBSRH 4-8		3033804	10

Accessories

CARRIER 35-8		3034387	10

EAC

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
SB-ME 2-8	30 A	3034468	10
SB-ME 3-8		3032800	10
SB-ME 4-8		3034484	10

Accessories

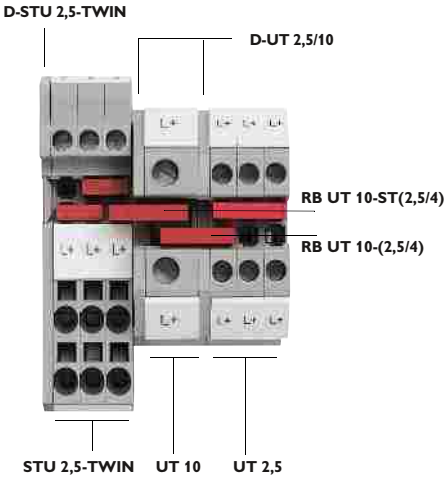
EAC

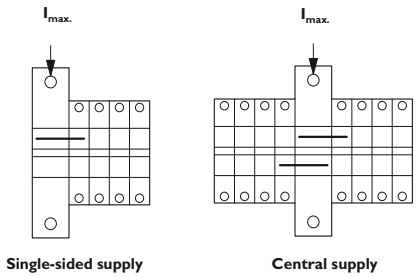
Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
SB-ME 2-6	25 A	3035755	10
SB-ME 3-6		3035756	10
SB-ME 4-6		3035757	10
SB-MER 2-8	25 A	3000587	10
SB-MER 3-8		3000588	10
SB-MER 4-8		3000589	10

Accessories

Example of a 10 mm² central supply with reducing bridges RB UT 10-(2,5/4) to 2.5 mm²





Reducing bridges enable the simple connection of standard terminal blocks with different nominal cross sections and connection technologies from the CLIPLINE complete system. Power supplies with large cross sections can be easily distributed among several smaller output terminal blocks. The connection technologies and the connected cross sections must be taken into consideration in order to select suitable reducing bridges. The appropriate reducing bridge and the maximum permissible bridge current for single-sided supply and central supply can be determined using the adjacent table.

Note

When using reducing bridges, covers must be used depending on the supply direction. The auto correction function in PROJECT complete provides optimum support during this process.

Reducing bridging with standard UT feed-through terminal blocks

Supply		Pick-off		Single-sided supply	Central supply	Bridge
Terminal block	Cross section [mm²]	Terminal block	Cross section [mm²]	$I_{max.}$ [A]	$I_{max.}$ [A]	
UT 4	4	UT 2,5	2.5	24	24	FBS 2-5 3030161
UT 6	6	UT 2,5	2.5	40	56	RB UT 6-(2,5/4) 3047251
		UT 4	4	45	56	
		PT 2,5	2.5	40	56	RB UT 6-ST(2,5/4) 3047264
		PT 4	4	45	56	
		ST 2,5	2.5	40	56	
		ST 4	4	45	56	
		QTC 1,5	1.5	35	56	
		QTC 2,5	2.5	40	56	
UT 10	10	UT 2,5	2.5	40	65	RB UT 10-(2,5/4) 3047060
		UT 4	4	45	65	
		PT 2,5	2.5	40	65	RB UT 10-ST(2,5/4) 3047086
		PT 4	4	45	65	
		ST 2,5	2.5	40	65	
		ST 4	4	45	65	
		QTC 1,5	1.5	35	65	
		QTC 2,5	2.5	40	65	
UT 16	16	UT 2,5	2.5	40	80	RB UT 16-(2,5/4) 3047073
		UT 4	4	45	90	
		UT 6	6	37	74	RB 16-6 3047072
		PT 2,5	2.5	40	80	RB UT 16-ST(2,5/4) 3047099
		PT 4	4	45	90	
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
UT 35	35	UT 2,5	2.5	40	80	RB UT 35-(2,5/4) 3047277
		UT 4	4	45	90	
		PT 2,5	2.5	40	80	RB UT 35-ST(2,5/4) 3047280
		PT 4	4	45	90	
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
UT 35	35	UT 10	10	57	114	RB UT 35-10 3032168
		UT 16	16	90	90	RB 35-16 3032169

Reducing bridging with standard RT feed-through terminal blocks

Supply		Pick-off		Single-sided supply	Central supply	Bridge
Terminal block	Cross section [mm²]	Terminal block	Cross section [mm²]	$I_{max.}$ [A]	$I_{max.}$ [A]	
RT 5	6	UT 2,5	2.5	40	56	RB UT 6-(2,5/4) 3047251
		UT 4	4	40	56	
		RT 3	2.5	40	56	
		PT 2,5	2.5	40	56	RB UT 6-ST(2,5/4) 3047264
		PT 4	4	40	56	
		ST 2,5	2.5	40	56	
		ST 4	4	40	56	
		QTC 1,5	1.5	35	56	
		QTC 2,5	2.5	40	56	
RT 8	35	RT 3	2.5	40	56	RB ST 10-(2,5/4) 3030873
		UT 2,5	2.5	40	65	
		UT 4	4	45	65	

Reducing bridging with standard PT and ST feed-through terminal blocks

Supply		Pick-off		Single-sided supply	Central supply	Bridge
Terminal block	Cross section [mm²]	Terminal block	Cross section [mm²]	I_{max} [A]	I_{max} [A]	
ST 2,5 PT 2,5	2.5	PT 1,5/S	1.5	24	30	RB ST (2,5/4)-1,5/S 3214356
		ST 1,5	1.5	31	31	RB ST (2,5/4)-1,5 3038943
		QTC 1,5	1.5	31	31	FBS 2-5 3030161
ST 4 PT 4	4	PT 1,5/S	1.5	24	40	RB ST (2,5/4)-1,5/S 3214356
		ST 1,5	1.5	35	40	RB ST (2,5/4)-1,5 3038943
		PT 2,5	2.5	40	40	FBS 2-5 3030161
		ST 2,5	2.5	40	40	
		QTC 1,5	1.5	35	40	
		QTC 2,5	2.5	40	40	FBS 2-6 3030336
ST 6 PT 6	6	PT 1,5/S	1.5	24	48	RB ST 6-1,5/S 3213250
		PT 2,5	2.5	40	56	RB ST 6-(2,5/4) 3030860
		PT 4	4	45	56	
		ST 2,5	2.5	40	56	
		ST 4	4	45	56	
		QTC 1,5	1.5	35	56	
		QTC 2,5	2.5	40	56	
ST 10 PT 10	10	PT 1,5/S	1.5	24	48	RB ST 10-1,5/S 3213252
		PT 2,5	2.5	40	65	RB ST 10-(2,5/4) 3030873
		PT 4	4	45	65	
		ST 2,5	2.5	40	65	
		ST 4	4	45	65	
		QTC 1,5	1.5	35	65	
		QTC 2,5	2.5	40	65	
ST 16 PT 16	16	PT 6	6	37	74	RB 16-6 3047072
		ST 6	6	37	74	
		PT 1,5/S	1.5	24	48	RB ST 16-1,5/S 3213254
		PT 2,5	2.5	40	80	RB ST 16-(2,5/4) 3030886
		PT 4	4	45	90	
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
ST 35 PTPOWER 35	35	PT 2,5	2.5	40	80	RB ST 35-(2,5/4) 3030899
		PT 4	4	45	90	
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
		QTC 1,5	1.5	35	70	
		QTC 2,5	2.5	40	80	
		PT 2,5	2.5	40	80	RB PTPOWER 35-ST (2,5/4) 3030900
		PT 4	4	45	90	
		ST 2,5	2.5	40	80	
		ST 4	4	45	90	
PTPOWER 35	35	PT 16 N	16	90	125	RB PTPOWER 35-ST 16 3032170
		ST 16	16	90	125	
ST 35	35	ST 16	16	90	125	RB 35-16 3032169
STS 4	4	STS 2,5	2.5	40	40	FBS 2-5 3030161
STS 6	6	STS 2,5	2.5	40	56	RB ST 6-(2,5/4) 3030860
		STS 4	4	45	56	

Reducing bridging with standard QT feed-through terminal blocks

Supply		Pick-off		Single-sided supply	Central supply	Bridge
Terminal block	Cross section [mm²]	Terminal block	Cross section [mm²]	I_{max} [A]	I_{max} [A]	
QTC 2,5	2.5	QTC 1,5	1.5	31	31	FBS 2-5 3030161

Accessories

Test plugs PS ...

– Two-part test plug for individual connector color combination
– The test connectors are plugged in the function shaft of the terminal blocks from the CLIPLINE complete system or in the test connections provided for them
– The modular test connector housings PS-...2,3MM can be used to put together individual test adapters

EAC

Description	Color	Ordering data: Type	Order No.	Pcs./Pkt.
Modular test plug housing, for MPS metal part, can be marked with ZB 5				
	red	**PS-5/2,3MM RD**	3038723	10
	red	**PS-6/2,3MM RD**	3038736	10
	red	**PS-8/2,3MM RD**	3048564	10
Insulating sleeve, for MPS metal part				
	white			
Insulating sleeve, for MPS metal part	red			
	blue			
	yellow			
	green			
	gray			
	black			
Test plug metal part, 2.3 mm Ø				
	gray	**MPS-MT**	0201744	10
4 mm Ø	silver	**MPS-MT/ 4MM**	3048577	10

EAC

Ordering data: Type	Order No.	Pcs./Pkt.
MPS-IH WH	0201663	10
MPS-IH RD	0201676	10
MPS-IH BU	0201689	10
MPS-IH YE	0201692	10
MPS-IH GN	0201702	10
MPS-IH GY	0201728	10
MPS-IH BK	0201731	10
MPS-MT	0201744	10
MPS-MT/ 4MM	3048577	10

Test plugs PS ...

EAC

Description	Color	Ordering data: Type	Order No.	Pcs./Pkt.
Individual test plug, delivery: 1-pos.	red	**PS-UK 2,5 B/E**	3001132	10
Modular test plug, delivery: set of 10 with connection pin, Pitch 5.2 mm	red	**PS-UK 2,5 B/Z-5**	3001226	1
Modular test plug, delivery: set of 10 with connection pin, Pitch 6.2 mm	red	**PS-UK 2,5 B/Z-6**	3001239	1

Test plugs PS ...

– The test connectors are plugged in the function shaft of the terminal blocks from the CLIPLINE complete system or in the test connections provided for them

Description	Color	Ordering data			Ordering data		
		Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Individual double-level test plug, contacts in the upper and lower level simultaneously, delivery: 1-pos., for UTTB ...	red	PS-UKK/E	3000641	10			
Modular double-level test plug, contacts in the upper and lower level simultaneously, delivery: 10-pos. blocks with 2 connection pins, for UTTB 2,5	red				PS-UKK 3	3000638	1
Modular double-level test plug, contacts in the upper and lower level simultaneously, delivery: 10-pos. blocks with 2 connection pins, for UTTB 4	red				PS-UKK 5	3000625	1

Modular test plugs PS- and spacer plates DP PS–...

– The test plugs make contact in the function shaft of terminal blocks from the CLIPLINE complete system
– Test adapters can be assembled individually with the modular test plugs PS-... and spacers DP PS-...

Modular test plug

Spacer plates

Description	Color	Ordering data			Ordering data		
		Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Individual test plug, 3.5 mm width, can be marked with ZBF 3,5 and UCT-TMF 3,5	red	PS-3,5/E	3031012	10			
4.2 mm width, can be marked with ZBF 4, UC-TMF 4, and UCT-TMF 4	red	PS-4/E	3036709	10			
Modular test plug, for the individual assembly of test pin strips							
3.5 mm, can be marked with ZBF 3,5 and UCT-TMF 3,5	red	PS-3,5	3031010	10	DP PS-3,5	3031011	10
4.2 mm, can be labeled with ZBF 4, UC-TMF 4 and UCT-TMF 4	red	PS-4	3030970	10	DP PS-4	3036712	10
5.2 mm, can be labeled with ZBF 5, UC-TMF 5 and UCT-TMF 5	red	PS-5	3030983	10	DP PS-5	3036725	10
6.2 mm, can be labeled with ZBF 6, UC-TMF 6 and UCT-TMF 6	red	PS-6	3030996	10	DP PS-6	3036738	10
8.2 mm, can be labeled with ZBF 8, UC-TMF 8 and UCT-TMF 8	red	PS-8	3031005	10	DP PS-8	3036741	10

Test adapters PAI ...

– Reliable contacting of test plugs with a 4 mm diameter in the function shaft
– The small external diameter of the test socket means that finger-safe protected safety connectors can also be used

Notes:

[1]) Touch-proof against unintentional direct contact in accordance with DIN EN 50274 when plugged in.

4 mm test adapter, for terminal blocks with 4.2 mm pitch

4 mm test adapter, for terminal blocks with 5.2 mm, 6.2 mm and 8.2 mm pitch

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Test adapter, 4 mm test socket hole[1])	gray	**PAI-4**	3030925	10

Ordering data

Type	Order No.	Pcs./Pkt.
PAI-4-N GY	3032871	10

Snap-on test adapters PAI-4-FIX ...

– Test adapter for accommodating safety test plugs with a 4 mm diameter
– Makes contact and latches securely at any point in the function shaft

Notes:

Touch-proof against unintentional direct contact in accordance with DIN EN 50274 when plugged in.

4 mm test adapter, for terminal blocks with 5.2 mm and 6.2 mm pitch

4 mm test adapter, for terminal blocks with 8.2 mm pitch

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Test adapter, for 4 mm Ø safety test plugs, latches into the bridge shaft				
	orange	**PAI-4-FIX-5/6 OG**	3035974	10
	yellow	**PAI-4-FIX-5/6 YE**	3035977	10
	green	**PAI-4-FIX-5/6 GN**	3035978	10
	violet	**PAI-4-FIX-5/6 VT**	3035979	10
	black	**PAI-4-FIX-5/6 BK**	3035980	10
	blue	**PAI-4-FIX-5/6 BU**	3035975	10
	red	**PAI-4-FIX-5/6 RD**	3035976	10
	gray	**PAI-4-FIX-5/6 GY**	3035982	10
	brown	**PAI-4-FIX-5/6 BN**	3035981	10
	white	**PAI-4-FIX-5/6 WH**	3035983	10

Ordering data

Type	Order No.	Pcs./Pkt.
PAI-4-FIX OG	3034455	10
PAI-4-FIX YE	3032745	10
PAI-4-FIX GN	3032758	10
PAI-4-FIX VT	3032761	10
PAI-4-FIX BK	3032774	10
PAI-4-FIX BU	3032729	10
PAI-4-FIX RD	3032732	10
PAI-4-FIX GY	3032790	10
PAI-4-FIX BN	3032787	10
PAI-4-FIX WH	3032797	10

PAIS ... test plugs

– Angled test plug for accommodating safety test plugs with a 4 mm diameter
– Makes contact and latches securely at any point in the function shaft

Notes:

[1]) Touch-proof against unintentional direct contact in accordance with DIN EN 50274 when plugged in.

EAC

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Test plug[1])				
	gray	**PAIS-4-FIX GY**	3032791	10
	black	**PAIS-4-FIX BK**	3032792	10
	red	**PAIS-4-FIX RD**	3032793	10
	blue	**PAIS-4-FIX BU**	3032798	10
	yellow	**PAIS-4-FIX YE**	3032799	10
	green	**PAIS-4-FIX GN**	3032801	10
	violet	**PAIS-4-FIX VT**	3032802	10

Fuse connectors P-FU ...

– Large-surface marking options
– Versions with bipolar error display
– Test contacts on both sides of the fuse

Notes:

1) If the fuse is faulty, the downstream circuit is not off load.

2) For max. power dissipation, see page 694.

6.2 mm fuse connector, for 5 x 20 mm cartridge fuses

Technical data

Dimensions		Width	Length	Height
	[mm]	**6.2**	**25**	**57.7**
Rated data				
Maximum load current	[A]	6.3[2])		

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Fuse connector, width: 5.2 mm	black	**P-FU 5X20-5**	3209235	10
LED for 12 - 30 V DC, 0.35 - 0.95 mA[1])	black	**P-FU 5X20 LED 24-5**	3209248	10
for 30 - 60 V AC/DC, 0.36 - 0.95 mA[1])	black	**P-FU 5X20 LED 60-5**	3209251	10
for 110– - 250 V AC/DC, 0.4 - 0.95 mA[1])	black	**P-FU 5X20 LED 250-5**	3209264	10
Fuse connector, width: 6.2 mm[2])	black			
with LED for 12 - 30 V DC, 0.31 - 0.95 mA[1])	black			
30 - 60 V AC/DC, 0.40 - 0.86 mA[1])	black			
for 110 - 250 V AC/DC, 0.41 - 0.96 mA	black			

Accessories

Center groove labeling	UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 3)

6.2 mm fuse connector, for 5 x 20 mm cartridge fuses

Technical data

Width	Length	Height
6.2	**28**	**25**
6.3[2])		

Ordering data

Type	Order No.	Pcs./Pkt.
P-FU 5X20	3036806	10
P-FU 5X20 LED 24	3036819	10
P-FU 5X20 LED 60	3036822	10
P-FU 5X20 LA 250	3036835	10

Accessories

UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 3)

Fuse connectors P-FU ...

– Large-surface marking options
– Versions with bipolar error display
– Test contacts on both sides of the fuse

Notes:

1) If the fuse is faulty, the downstream circuit is not off load.

2) For max. power dissipation, see page 694.

8.2 mm fuse connector, for 6.3 x 32 mm cartridge fuses

Technical data

Dimensions		Width	Length	Height
	[mm]	**8.2**	**40**	**27**
Rated data				
Maximum load current	[A]	10[2])		
General data				
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Fuse connector, width: 8.2 mm	black	**P-FU 6,3X32**	3046498	10
with LED for 12 - 30 V DC, 0.31 - 0.95 mA[1])	black	**P-FU 6,3X32 LED 24**	3046508	10
30 - 60 V AC/DC, 0.40 - 0.86 mA[1])	black	**P-FU 6,3X32 LED 60**	3046511	10
for 110 - 250 V AC/DC, 0.41 - 0.96 mA	black	**P-FU 6,3X32 LA 250**	3046524	10

Accessories

Center groove labeling	UC-TMF 6, UCT-TMF 6 or ZBF 6 (see Catalog 3)

Switching lock S-MT

- The optional switching lock snaps in and effectively prevents accidental switching
- Can be used in all knife disconnect terminal blocks ...-MT from the CLIPLINE complete system

Switching lock

Technical data			
Dimensions			
	Width	Length	Height
	[mm]	**3.5**	**10.5**	**23.1**
General data			
Insulating material	PA		
Flammability rating in accordance with UL 94	V2		

Ordering data			
Description	Color	**Type**	**Order No.**	Pcs./Pkt.
Switching lock, plug-in	white	**S-MT**	3247954	50

Isolating connectors P-DI

Notes:
[1]) Observe max. load current.

- The isolating connector P-DI can be removed to release the connection easily and then "parked" back to front in the disconnect zone
- Can be used in all disconnect terminal blocks ...-TG from the CLIPLINE complete system

Function plug for universal disconnect zone

Technical data			
Dimensions			
	Width	Length	Height
	[mm]	**3.5**	**10.8**	**23.1**
Rated data			
Maximum load current	[A]	20		
General data			
Insulating material	PA		
Flammability rating in accordance with UL 94	V2		

Ordering data			
Description	Color	**Type**	**Order No.**	Pcs./Pkt.
Isolating plug[1])	orange	**P-DI**	3036783	50

Through connectors P–FIX

– The P-FIX contact metal seals the disconnect point with the same shape and cannot be removed again once fitted
– Can be used in all disconnect terminal blocks ...-TG from the CLIPLINE complete system

Notes:

[1]) Observe max. load current.

Feed-through connector

EAC

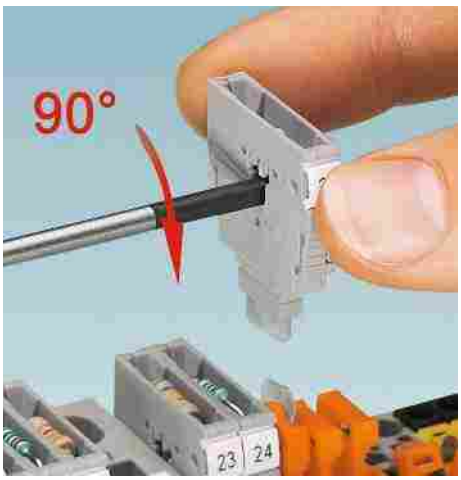
Technical data

Dimensions		Width	Length	Height
	[mm]	**4**	**10.5**	**-**
Rated data				
Maximum load current	[A]	20		
General data				
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Feed-through connector[1])	gray	**P-FIX**	3038956	50

Component connectors P-CO ...



– The P–CO patented component connector can quickly and reliably accommodate components using spring-loaded contacts
– A coder recess ensures protection against incorrect polarity
– For assembly, the spring-cage connections are opened or closed inside the connector with just one turn of the standard screwdriver
– Can be used in all disconnect terminal blocks ...-TG from the CLIPLINE complete system

Notes:

[1]) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 1.0 A

[2]) Depending on the power dissipation of the components. Max. 0.5 W with separate arrangement.

Component connector

EAC

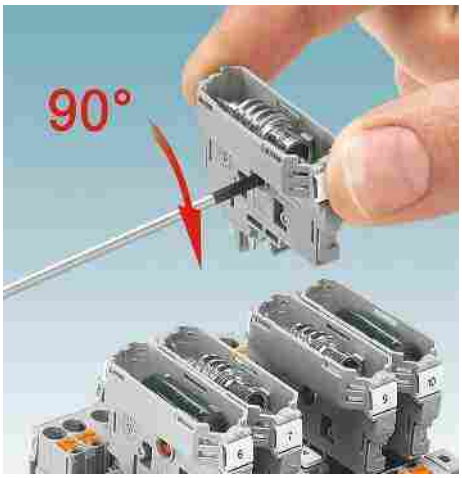
Technical data

Dimensions		Width	Length	Height
	[mm]	**5.1**	**24.2**	**33.3**
Rated data				
Maximum load current	[A]	6[2])		
General data				
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Component connector, labeled with ZBF 5 or UC–TMF 5	gray	**P-CO**	3036796	10
Component connector, with integrated 1N 4007 diode, conducting direction from right to left, direction viewed: Open terminal side[1])	gray	**P-CO 1N4007/R-L**	3032457	10
Conducting from left to right, direction viewed: Open terminal side	gray	**P-CO 1N4007/L-R**	3032460	10

P-CO XL component connectors



- Fast component installation without soldering, thanks to spring-cage connection
- Can be flexibly plugged into all CLIPLINE complete disconnect terminal blocks, thanks to universal disconnect zone
- Safe use of discrete components with high power dissipation, thanks to optimum heat dissipation
- Plug-in integration of discrete components with a diameter of up to 10 mm
- Coding ensures connection without the risk of polarity reversal

Notes:

[1]) Dependent on the power dissipation of the components. Max. 1 W with single arrangement.

Component connector

EAC

Technical data

Dimensions		Width	Length	Height
	[mm]	**12.3**	**41.2**	**37.5**
Rated data				
Maximum load current	[A]	10[1])		
General data				
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

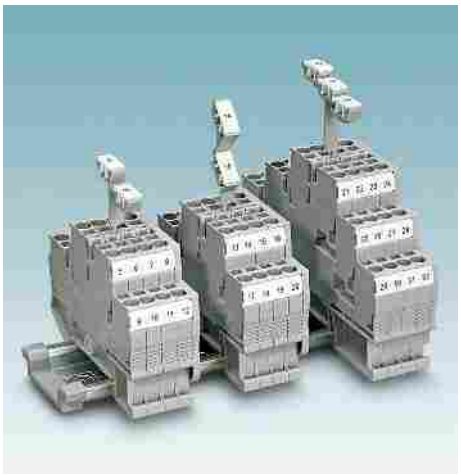
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Component connector, for PT, ST, QTC disconnect terminal blocks, engaged in the central marking groove	gray	**P-CO XL**	3036797	10
Component connector, can be fitted with SKN 2,5 diode, for PT, ST, QTC disconnect terminal blocks, engaged in the central marking groove	gray	**P-CO XL SKN**	3036798	10
Component connector, for UT disconnect terminal blocks	gray	**P-CO XL-UT**	3036799	10

Accessories

Lateral groove labeling	**UC-TMF 8 or ZBF 8 (see Catalog 3)**

STP ... marker carriers, for multi-level terminal blocks



Marker carrier

STP ...

– The marker carriers enlarge the marking areas of wired multi-level terminal blocks
– Depending on version, the marker carriers are placed in the receivers on the upper terminal block level

STP ...-ZB

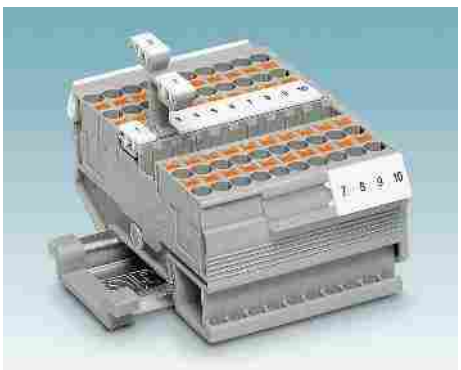
– The marker carriers can, for example, snap into the center marking groove of ST spring-cage terminal blocks and double the marking area; see figure below

CARRIER-TM 300

– Can be snapped into all terminal blocks in the CLIPLINE complete system that have a lateral flat marker groove
– For accommodating ZB ..., UC-TM ... or UCT-TM ... terminal markers which increases the marking area

CARRIER-TMD 300

– Double-row snap-in marker adapter for accommodating two ZB ... or UC−TM ... and UCT-TM ... terminal markers which doubles the marking area



Technical data

General data		
Material		PA
Flammability rating in accordance with UL 94		V2
Temperature range	[°C]	-40 ... 100
Components		free from silicone and halogen

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Double marker carrier, can be snapped into PTTB 1,5/S Push-in double-level terminal blocks, can be marked with: ZB(F) 3,5 or UCT-TM(F) 3,5	gray	**STP 3,5-2**	**0830131**	100
Triple marker carrier, can be snapped into the Push-in three-level terminal block PT 1,5/S-3..., can be marked with: ZB(F) 3,5 or UCT-TM(F) 3,5	gray	**STP 3,5-3**	**0830132**	100
Double marker carrier, can be snapped into the STTB 1,5, PTTB 1,5 double-level spring-cage terminal blocks, can be marked with: UC-TM(F) 4, ZB(F) 4 or UCT-TM(F) 4	gray	**STP 4-2**	**0810575**	100
Double marker carrier, can be snapped into STTB 2,5, STTB 4, PTTB 2,5, PTTB 4 double-level terminal blocks, can be marked with: UC-TM(F) 5, ZB(F) 5 or UCT-TM(F) 5	gray	**STP 5-2**	**0800967**	100
Triple marker carrier, can be snapped into the ST 2,5–3..., PT 2,5–3... three-level terminal block, can be marked with: UC-TM(F) 5, ZB(F) 5 or UCT-TM 5	gray	**STP 5-3**	**0810562**	100
Double marker carrier, can be snapped into QTTCB ... and QTTCBS ... double-level fast-connection terminal blocks, can be marked with UC-TM(F) 5, ZB(F) 5 or UCT-TM(F) 5	gray	**STP 5-2/S**	**0800970**	100
Double marker carrier, can be snapped into all terminal blocks with a width of 4.2 mm and a central zack marker strip groove, can be marked with: UC-TM(F) 4, ZB(F) 4 or UCT-TM(F) 4	gray	**STP 4-2-ZB**	**3038613**	100
Double marker carrier, can be snapped into all terminal blocks with a width of 5.2 mm or above and a central zack marker strip groove, can be marked with: UC-TM(F) 5, ZB(F) 5 or UCT-TM(F) 5	gray	**STP 5-2-ZB**	**3037643**	100
Marker adapter, 300 mm long, can be snapped into the lateral groove on terminal blocks, designed to accommodate UC-TM..., ZB... or UCT-TM...	gray	**CARRIER-TM 300**	**0828282**	25
Marker adapter, double row, 300 mm long, can be snapped into the center groove on terminal blocks, designed to accommodate two UC-TM..., ZB... or UCT-TM...	gray	**CARRIER-TMD 300**	**0828693**	25
Marker adapters, such as the CARRIER-TM 300; marking area at an angle to the top of the terminal block, designed to accommodate UC-TM..., ZB... or UCT-TM...	gray	**CARRIER-TMH 300**	**0830670**	25

Terminal block group marking GBS ...

- Space-saving group labeling directly on the terminal block
- Fits all terminal blocks with a high central marker groove
- Large-surface labeling with labels or manually using B-STIFT or X-PEN

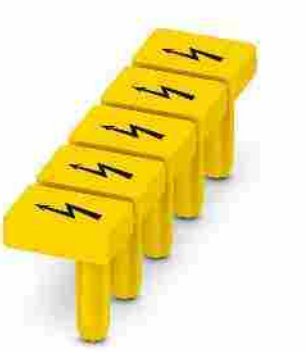
3.5 mm and 5.2 mm pitch

29 mm pitch

		Technical data	Technical data
General data			
Material		PA	PA / PC
Flammability rating in accordance with UL 94		V2	V2
Temperature range	[°C]	-40 ... 120	-40 ... 100
Components		free from silicone and halogen	free from silicone and halogen

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Group marking label, can be snapped into terminal center, can be marked with an EML (24X4)R or EML (25,4X12,7)R... label or manually with B–STIFT or X–PEN, in the foot part with ZB 5, UC-TM 5 or UCT-TM 5							
	gray	**GBS 5-25X5**	0829126	100			
	gray	**GBS 5-25X12**	0810588	100			
Group marking label, can be snapped into terminal center, can be labeled with ESL 26 x 6 or EMT (25 x 6) R insert strips, in foot part with zack marker strip ZB, length: 29 mm							
	gray				**GBS-ZB/26X6**	0809298	50

Warning labels WS ...



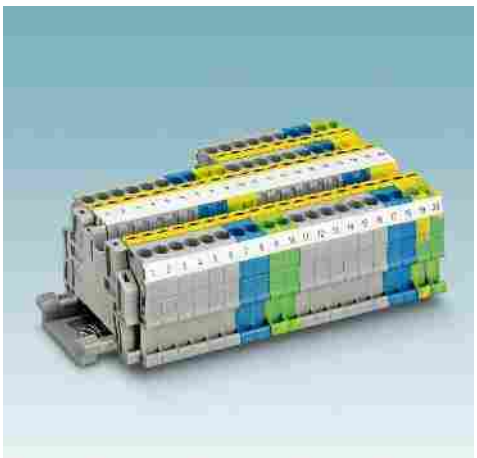
- Warning labels and warning covers serve to cover and identify mains terminal blocks
- This prevents accidental actuation of the terminal points
- The WS UT ... warning labels snap into the screw shafts of the relevant terminal block, they can be isolated lengthwise and crosswise
- The WS PT ... warning labels snap into the inspection holes of the Push-in terminal blocks

Technical data

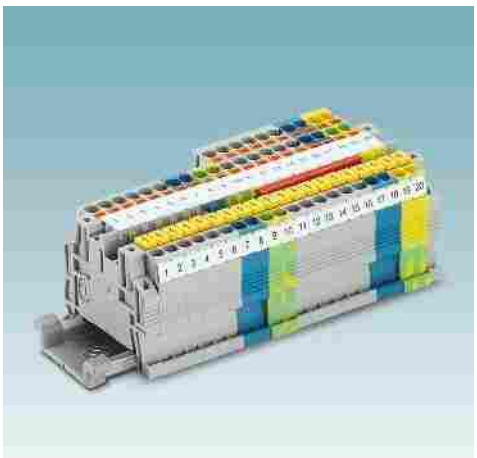
General data	
Material	PVC
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Warning label, for PT series				
5.2 mm wide	yellow/black	**WS PT 2,5**	1029026	10
6.2 mm wide	yellow/black	**WS PT 4**	1029563	10
8.2 mm wide	yellow/black	**WS PT 6**	1029029	10
10.2 mm wide	yellow/black	**WS PT 10**	1029030	10
12 mm wide	yellow/black	**WS PT 16**	1029033	10
Warning label, for UT series				
5.2 mm wide	yellow/black	**WS UT 2,5**	3047923	10
6.2 mm wide	yellow/black	**WS UT 4**	3047332	10
8.2 mm wide	yellow/black	**WS UT 6**	3047345	10
10.2 mm wide	yellow/black	**WS UT 10**	3047361	10
12 mm wide	yellow/black	**WS UT 16**	3047374	10
16 mm wide	yellow/black	**WS UT 35**	3047387	10
Warning cover, for ST series				
4.2 mm wide	yellow	**WST 1,5**	3030958	50
5.2 mm wide	yellow	**WST 2,5**	3030941	50
6.2 mm wide	yellow	**WST 4**	3030954	50
8.2 mm wide	yellow	**WST 6**	3030967	10
10.2 mm wide	yellow	**WST 10/35**	3030006	25



Warning label, for ST series



Warning label, for PT series

Warning label, with diode circuit symbols

Technical data

General data	
Material	PVC
Wipe resistance	DIN EN 61010-1 (VDE 0411-1)

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Warning label, for the PT series, with diode circuit symbols	yellow/black	**WS-DIO PT 2,5**	1029037	10

CEC ... cover for conductor shaft

new

- Filler plug for the cover for the conductor shaft
- CEC 2,5 can be used with PT 2,5 Push-in connection terminal blocks and ST 2,5 spring-cage connection terminal blocks
- The CEC PTPOWER ... warning labels can be used with PTPOWER Push-in connection terminal blocks

Cover for PT 2,5 and ST 2,5 terminal blocks

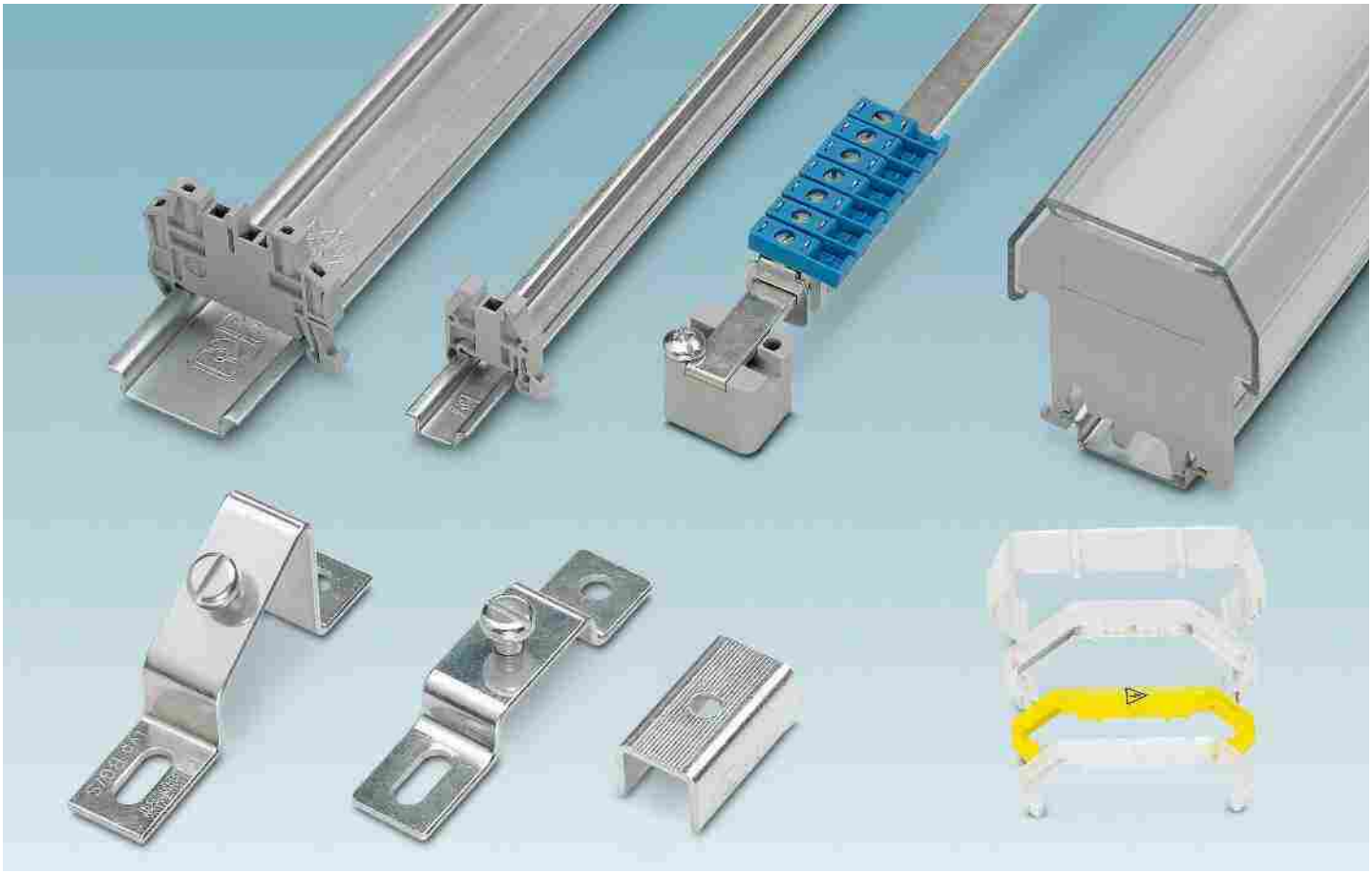
Cover for PTPOWER ... terminal blocks

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Cover, for conductor shaft, 10-pos.	yellow	**CEC 2,5**	3062757	50
Cover, for conductor shaft with PTPOWER 35 and PTPOWER 50	yellow			
Cover, for conductor shaft with PTPOWER 95 and PTPOWER 185	yellow			

Ordering data

Type	Order No.	Pcs./Pkt.
CEC PTPOWER 35/50	1056086	10
CEC PTPOWER 95/185	1056087	10



You can save time when securing electrical connections and components in switchgear by using suitable mounting devices. Make the best use of space in the control cabinet by cleverly combining mounting accessories. The DIN rails form the basis of the control cabinet inner workings. They guarantee that rail-mounted components are held safely in place.

Phoenix Contact offers a wide range of standardized rails made from various materials. The rails can be ordered cut to length and with pre-drilled holes. The product range is completed with round cable clamps and profile rails.

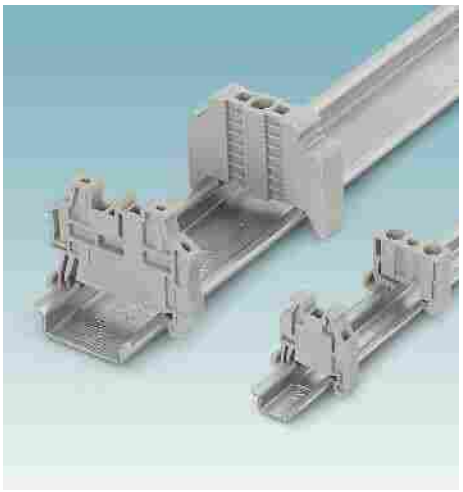
End brackets are used for secure lateral holding of the components, especially in the event of jolts and vibrations in the systems. Depending on the application, they must either be fastened using screws or can simply be snapped onto the DIN rails as in the case of the CLIPFIX series. Marker carriers can be snapped onto the end brackets. This provides a good overview and creates a visual distinction between individual terminal strip blocks.

There is a wide range of cover profiles to ensure the necessary level of safety. The wide choice of cable ducts provides users with flexible and straightforward cable installation solutions that simply involve breaking out the lateral segments without any need for tools.
The mounting material range is rounded off with installation materials that include pick-off terminal blocks, Europe connectors, and junction box connectors.

Detailed information can be found in Catalog 3 or at phoenixcontact.net/products

Your web code: #0094

For control cabinet manufacturing applications, the key features of the NS 15 and NS 35 DIN rails are their high degree of dimensional accuracy and double surface tempering. They are galvanized and feature thick layer passivation, which makes them RoHS compliant.



When used in conjunction with the various standard DIN rails, the end brackets ensure that the components remain securely attached to the rails. A comprehensive range of end brackets is available for specific applications.

The cover profiles are used to cover live parts. They also prevent unintended actuation of terminal points or disconnect terminal blocks.

Phoenix Contact offers various connecting terminal blocks, branch terminal blocks and power terminal blocks for busbars in switchgear and control gear.

The wide range of Europe terminal blocks includes terminal blocks with and without wire protection. The individual positions can be separated easily by twisting without the need for tools. The Push-in connection technology of the socket terminal block series makes it easy to insert rigid conductors or conductors with ferrules into the terminal point. Low insertion forces and high pull-out forces ensure a secure connection.

The rail-mountable socket in a standard format is as much a must in modern switchgear as in simple distributors. The socket is mounted in an exposed position to allow assembly tools, service devices, and other electrical equipment to be installed conveniently.

PTFIX
1 2 3 4 5 6 7 8 9
1 2 3 4 5 6

PTFIX ... distribution blocks

The PTFIX distribution blocks with Push-in connection come ready to connect and are available with various numbers of positions and mounting types. They can be used straight away and expanded as needed. PTFIX thus helps to ensure flexible and cost-effective load and control current distribution.

The Push-in connection technology enables you to insert conductors quickly and easily. Even small conductors from 0.25 mm² can be connected reliably and without using tools. Simply use the push button for disconnection purposes and to connect flexible conductors without ferrules.

Product range overview

1.5 mm²

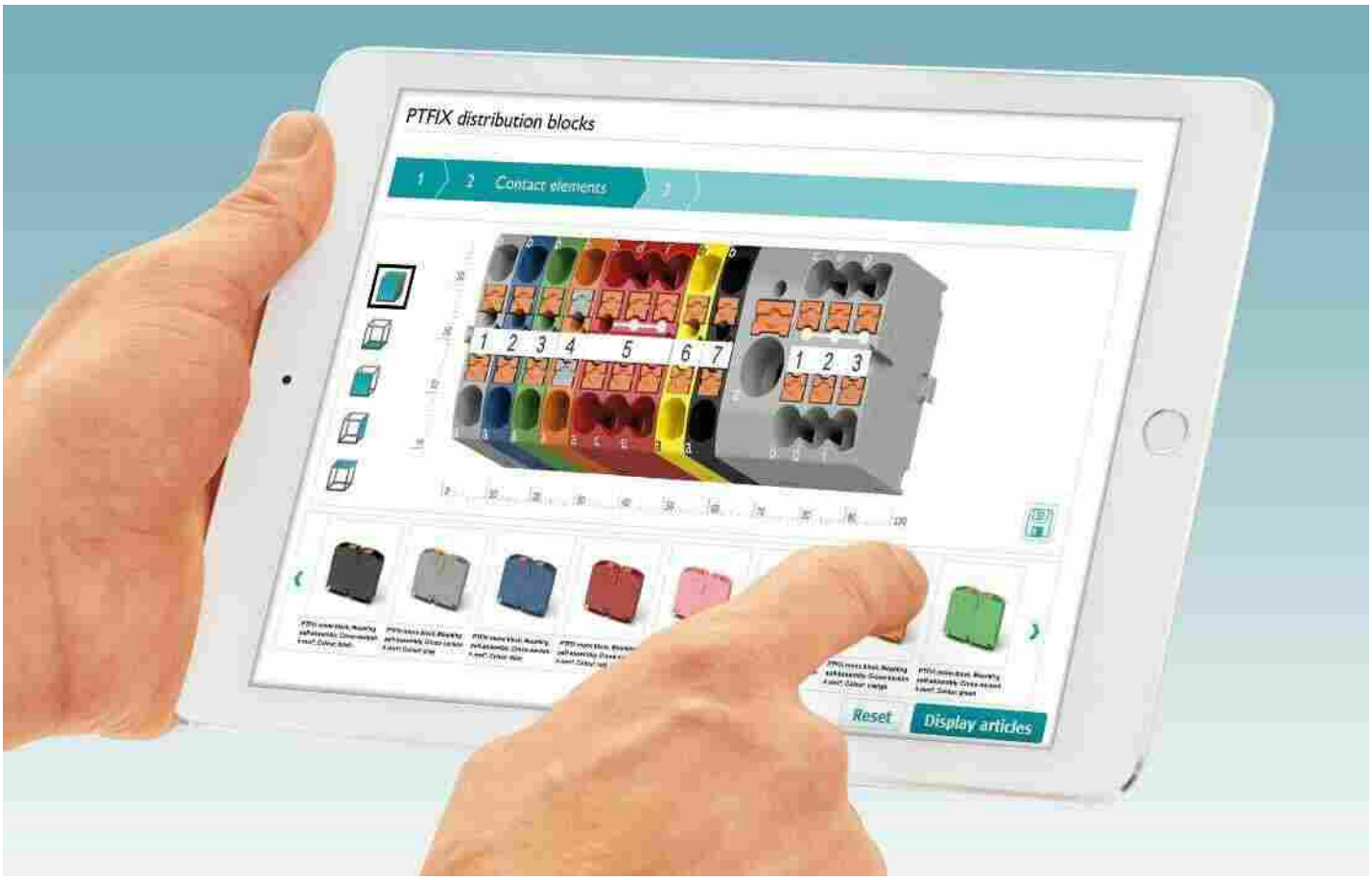
Distribution blocks	**428**
Distribution blocks with feed-in	**434**

2.5 mm²

Distribution blocks	**438**
Distribution blocks with feed-in	**442**

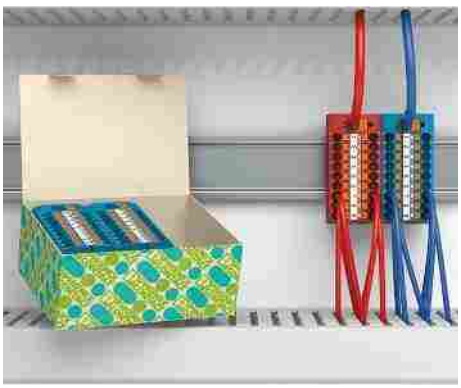
4 mm²

Distribution blocks	**446**
Distribution blocks with feed-in	**450**



The PTFIX distribution blocks with Push-in connection come ready to connect and are available with various numbers of positions and mounting types. They can be used straight away and expanded as needed. PTFIX thus helps to ensure flexible and cost-effective load and control current distribution.

Your web code: #2041



Simply unpack, connect, and you're done!

Ready-to-connect blocks enable fast assembly without manual bridging, offering time savings of up to 80%.

Easy insertion

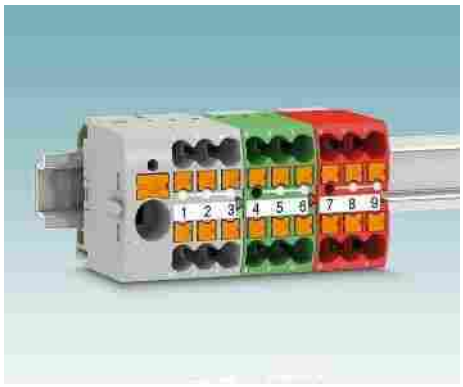
The reduction in insertion forces of up to 50% permits easy and direct insertion of rigid and flexible conductors with ferrules with a cross section of 0.34 mm² or greater. Stranded conductors without ferrules are connected using the push button.

Intuitive and secure installation

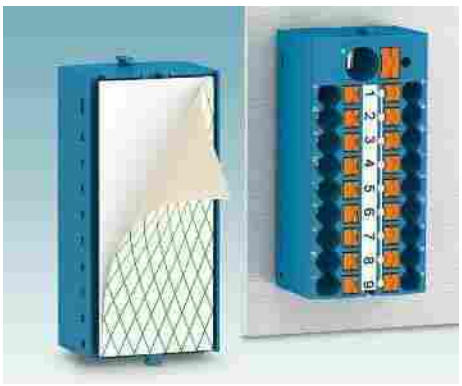
Distribution and feed blocks with 6, 12, and 18 terminal points are available for intuitive and secure installation in 11 colors.

Distribution block versions for transverse mounting on the DIN rail enable high wiring density and space savings of up to 50%.

The distribution blocks are mounted on 35 mm standard DIN rails and enable easy-to-see and convenient conductor routing.



Distribution blocks for mounting on 15 mm standard DIN rails are available for use in small junction boxes.



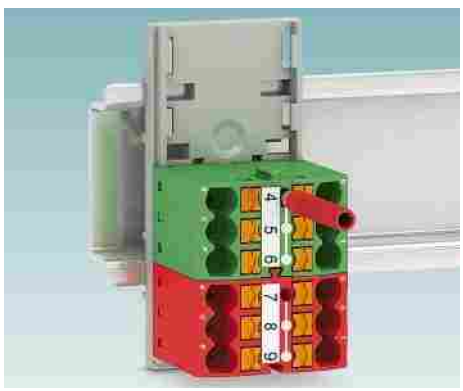
The self-adhesive distribution blocks can be quickly and easily fixed to flat surfaces with no mounting preparation and no tools.

The basic blocks can be individually self-assembled with different adapters or flanges in accordance with the desired mounting type.

Optional snap-on mounting accessories for direct or DIN rail mounting.

The distribution blocks can be connected in series and individually expanded with the two-pos. plug-in bridges from the CLIPLINE complete system.

The reducing bridge from the CLIPLINE complete system accessories enables easy connection of terminal blocks with different nominal cross sections, e.g., a PT 10 Push-in terminal block.



Convenient testing option with 2.3 mm test plug in easily accessible test opening. Marker strips can be supplied for easy wiring identification.

1.5 mm² PTFIX distribution blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60998-2-2			
Rated cross section	[mm²]	1.5			
Cross section range	AWG	26 - 14			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
Connection cross sections directly plug-in	[mm²]	0.34 - 2.5	-	0.34 - 1.5	0.34 - 1.5
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

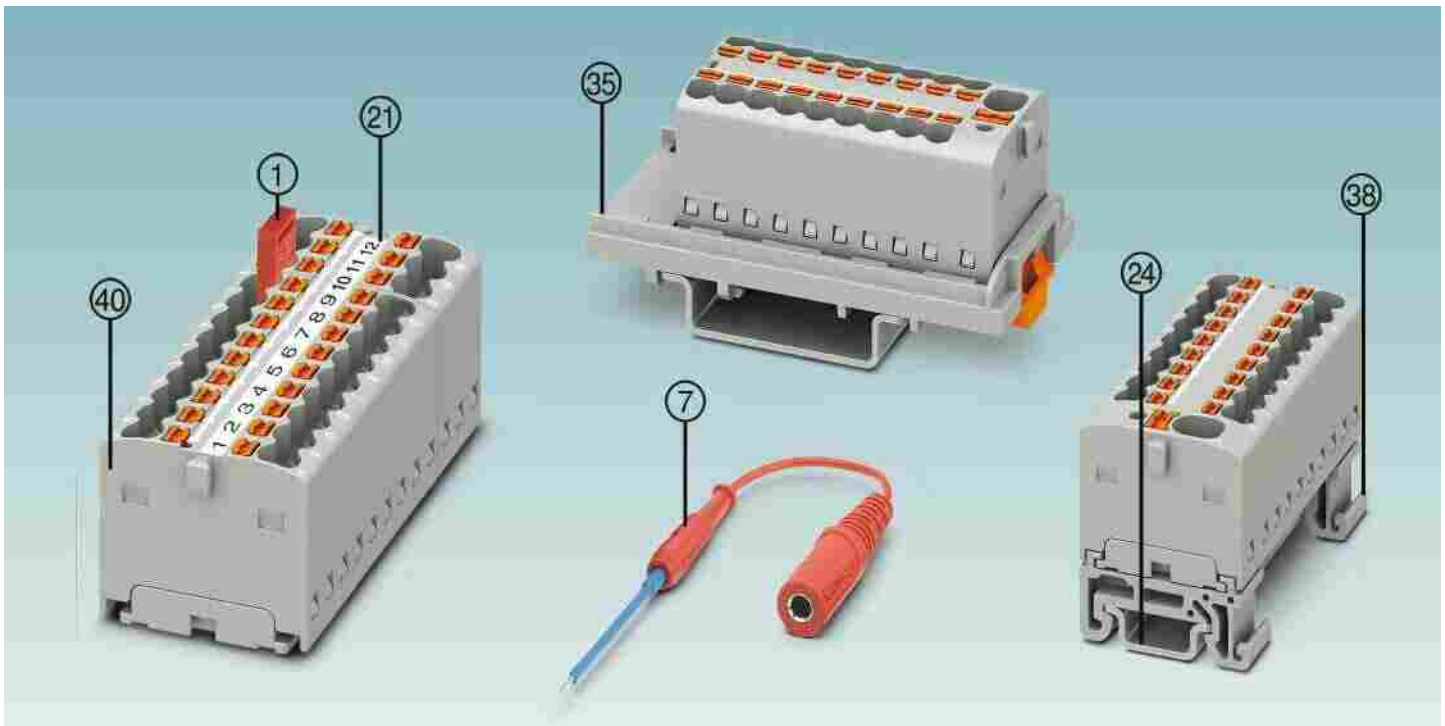
Notes:

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-4**	3030116	50			
Test plug			**MPS-MT 1-S**	1944372	1			
Test adapter, 4 mm socket hole			**MPS-MT 1-S4-B RD**	1982800	50			
NS 35 or NS 15 DIN rail adapters, transverse			**PTFIX 1,5-NS35**	1049497	30			
NS 35 DIN rail adapters, lateral			**PTFIX 1,5-NS35AD**	1049498	30			
NS 35 DIN rail adapters with end bracket function, lateral			**PTFIX 1,5-NS35AD-FIX**	1049499	30			
NS 15 DIN rail adapters, lateral			**PTFIX 1,5-NS15A**	1049500	30			
NS 15 DIN rail adapters with end bracket function, lateral			**PTFIX 1,5-NS15A-FIX**	1049501	30			
Mounting flange		gray	**PTFIX 1,5-F**	1049503	30			
Mounting flange			**PTFIX 1,5-RZF**	1050613	20			
Screwdriver			**SZF 0-0,4X2,5**	1204504	10			

Center groove labeling	**TML (... X3.8)R, see also Catalog 3**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

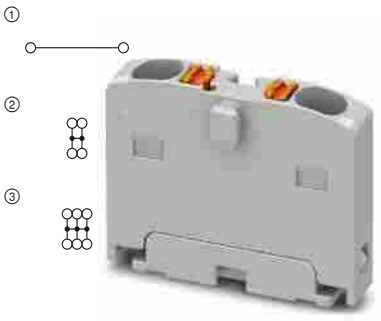
PTFIX ... distribution blocks

The basic blocks can be individually self-assembled with different adapters or flanges in accordance with the desired mounting type.

Notes:

[1]) For additional accessories and technical data, see page 428.

With distribution blocks, the maximum permissible total current can vary with different numbers of terminal points.



20 A, basic block, for self-assembly

EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		4.2	**21.6**	**17.7**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**450**	**0.14 - 2.5**	**26-14**
Rated data		IEC	UL / CUL	CSA	Ex
Rated voltage	[V]	450	300	300	-
Nominal current / cross section	[A] / [mm²]	17.5	15 / -	15 / -	- / -

Ordering data

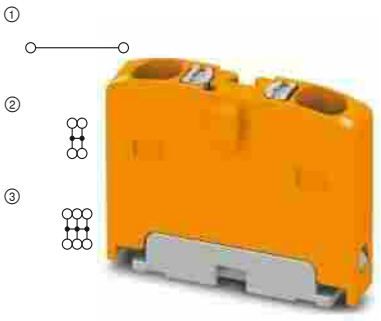
Description	Color	Type		Order No.	Pcs./Pkt.
Basic block, 2 terminal points	gray	**PTFIX 2X1,5 GY**	①	1045923	50
4 terminal points	gray	**PTFIX 4X1,5 GY**	②	1046608	30
6 terminal points	gray	**PTFIX 6X1,5 GY**	③	3002757	20
12 terminal points	gray	**PTFIX 12X1,5 GY**		3002758	20
18 terminal points	gray	**PTFIX 18X1,5 GY**		3002760	20
2 terminal points	blue	**PTFIX 2X1,5 BU**	①	1045925	50
4 terminal points	blue	**PTFIX 4X1,5 BU**	②	1046610	30
6 terminal points	blue	**PTFIX 6X1,5 BU**	③	3002761	20
12 terminal points	blue	**PTFIX 12X1,5 BU**		3002763	20
18 terminal points	blue	**PTFIX 18X1,5 BU**		3002764	20
2 terminal points	red	**PTFIX 2X1,5 RD**	①	1045929	50
4 terminal points	red	**PTFIX 4X1,5 RD**	②	1046611	30
6 terminal points	red	**PTFIX 6X1,5 RD**	③	3002765	20
12 terminal points	red	**PTFIX 12X1,5 RD**		3002766	20
18 terminal points	red	**PTFIX 18X1,5 RD**		3002767	20
2 terminal points	yellow	**PTFIX 2X1,5 YE**	①	1045931	50
4 terminal points	yellow	**PTFIX 4X1,5 YE**	②	1046612	30
6 terminal points	yellow	**PTFIX 6X1,5 YE**	③	3002768	20
12 terminal points	yellow	**PTFIX 12X1,5 YE**		3002769	20
18 terminal points	yellow	**PTFIX 18X1,5 YE**		3002770	20
2 terminal points	green	**PTFIX 2X1,5 GN**	①	1045932	50
4 terminal points	green	**PTFIX 4X1,5 GN**	②	1046613	30
6 terminal points	green	**PTFIX 6X1,5 GN**	③	3002771	20
12 terminal points	green	**PTFIX 12X1,5 GN**		3002772	20
18 terminal points	green	**PTFIX 18X1,5 GN**		3002773	20
2 terminal points	brown	**PTFIX 2X1,5 BN**	①	1045935	50
4 terminal points	brown	**PTFIX 4X1,5 BN**	②	1046614	30
6 terminal points	brown	**PTFIX 6X1,5 BN**	③	3002774	20
12 terminal points	brown	**PTFIX 12X1,5 BN**		3002776	20
18 terminal points	brown	**PTFIX 18X1,5 BN**		3002777	20
2 terminal points	white	**PTFIX 2X1,5 WH**	①	1045936	50
6 terminal points	white	**PTFIX 4X1,5 WH**	②	1046615	30
6 terminal points	white	**PTFIX 6X1,5 WH**	③	3002778	20
12 terminal points	white	**PTFIX 12X1,5 WH**		3002779	20
18 terminal points	white	**PTFIX 18X1,5 WH**		3002780	20
2 terminal points	black	**PTFIX 2X1,5 BK**	①	1045937	50
4 terminal points	black	**PTFIX 4X1,5 BK**	②	1046616	30
6 terminal points	black	**PTFIX 6X1,5 BK**	③	3002781	20
12 terminal points	black	**PTFIX 12X1,5 BK**		3002782	20
18 terminal points	black	**PTFIX 18X1,5 BK**		3002783	20
2 terminal points	violet	**PTFIX 2X1,5 VT**	①	1045940	50
4 terminal points	violet	**PTFIX 4X1,5 VT**	②	1046617	30
6 terminal points	violet	**PTFIX 6X1,5 VT**	③	3002784	20
12 terminal points	violet	**PTFIX 12X1,5 VT**		3002785	20
18 terminal points	violet	**PTFIX 18X1,5 VT**		3002786	20
2 terminal points	pink	**PTFIX 2X1,5 PK**	①	1045941	50
4 terminal points	pink	**PTFIX 4X1,5 PK**	②	1046618	30
6 terminal points	pink	**PTFIX 6X1,5 PK**	③	3002787	20
12 terminal points	pink	**PTFIX 12X1,5 PK**		3002789	20
18 terminal points	pink	**PTFIX 18X1,5 PK**		3002790	20

PTFIX ... distribution blocks

Notes:

With distribution blocks, the maximum permissible total current can vary with different numbers of terminal points.

[1]) For additional accessories and technical data, see page 428.



20 A, basic block, for self-assembly

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		4.2	**21.6**	**17.7**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20	**450**	**0.14 - 2.5** / **26-14**
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	450	300	300 / -
Nominal current / cross section	[A] / [mm²]	17.5	15 / -	15 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Basic block, 2 terminal points	orange	**PTFIX 2X1,5 OG**	①	1045939	50
4 terminal points	orange	**PTFIX 4X1,5 OG**	②	1046619	30
6 terminal points	orange	**PTFIX 6X1,5 OG**	③	3002792	20
12 terminal points	orange	**PTFIX 12X1,5 OG**		3002793	20
18 terminal points	orange	**PTFIX 18X1,5 OG**		3002794	20
2 terminal points	black/yellow	**PTFIX 2X1,5-FE**	①	1045933	50
4 terminal points	black/yellow	**PTFIX 4X1,5-FE**	②	1046620	30
6 terminal points	black/yellow	**PTFIX 6X1,5-FE**	③	3002795	20
12 terminal points	black/yellow	**PTFIX 12X1,5-FE**		3002796	20
18 terminal points	black/yellow	**PTFIX 18X1,5-FE**		3002797	20

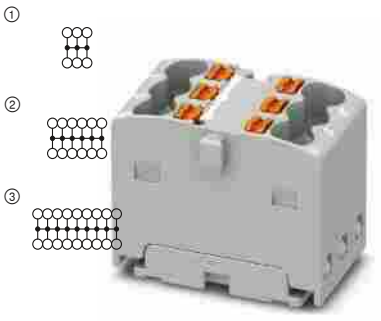
PTFIX ... distribution blocks

– The self-adhesive distribution blocks can be attached quickly and simply to flat surfaces with no preparation
– Distribution blocks are available for mounting onto 15 mm standard DIN rails for use in small junction boxes

Notes:

For additional accessories and technical data, see page 428.

With distribution blocks, the maximum permissible total current can vary with different numbers of terminal points.



26 A, adhesive mounting

EAC

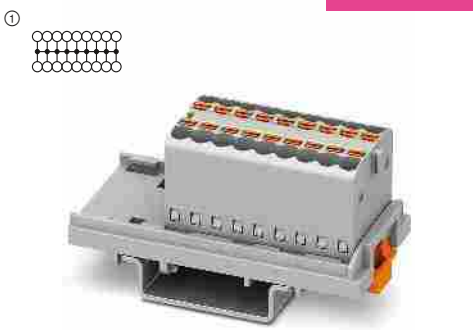
Technical data

Dimensions			
Width	Length	Height NS 35/7,5	
12.5	**21.6**	**-**	
Dimensions			
Width	Length	Height NS 15	
12.5	**21.6**	**-**	
Dimensions			
Width	Length	Height	
12.5	**21.6**	**18.7**	
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
26	**450**	**0.14 - 2.5**	**26-14**
Rated data			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	450	300	300	-
Nominal current / cross section [A] / [mm²]	17.5 / -	15	15 / -	-

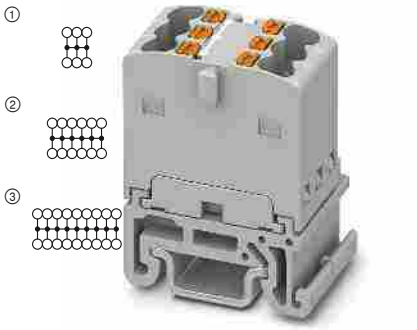
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Basic block, 6 terminal points	gray	**PTFIX 6X1,5-G GY**	①	3002798	20
12 terminal points	gray	**PTFIX 12X1,5-G GY**	②	3002799	20
18 terminal points	gray	**PTFIX 18X1,5-G GY**	③	3002804	20
6 terminal points	blue	**PTFIX 6X1,5-G BU**	①	3002864	20
12 terminal points	blue	**PTFIX 12X1,5-G BU**	②	3002865	20
18 terminal points	blue	**PTFIX 18X1,5-G BU**	③	3002876	20
6 terminal points	red	**PTFIX 6X1,5-G RD**	①	3002877	20
12 terminal points	red	**PTFIX 12X1,5-G RD**	②	3002878	20
18 terminal points	red	**PTFIX 18X1,5-G RD**	③	3002879	20
6 terminal points	yellow	**PTFIX 6X1,5-G YE**	①	3002880	20
12 terminal points	yellow	**PTFIX 12X1,5-G YE**	②	3002881	20
18 terminal points	yellow	**PTFIX 18X1,5-G YE**	③	3002882	20
6 terminal points	green	**PTFIX 6X1,5-G GN**	①	3002883	20
12 terminal points	green	**PTFIX 12X1,5-G GN**	②	3002884	20
18 terminal points	green	**PTFIX 18X1,5-G GN**	③	3002886	20
6 terminal points	brown	**PTFIX 6X1,5-G BN**	①	3002887	20
12 terminal points	brown	**PTFIX 12X1,5-G BN**	②	3002888	20
18 terminal points	brown	**PTFIX 18X1,5-G BN**	③	3002889	20
6 terminal points	white	**PTFIX 6X1,5-G WH**	①	3002890	20
12 terminal points	white	**PTFIX 12X1,5-G WH**	②	3002891	20
18 terminal points	white	**PTFIX 18X1,5-G WH**	③	3002892	20
6 terminal points	black	**PTFIX 6X1,5-G BK**	①	3002893	20
12 terminal points	black	**PTFIX 12X1,5-G BK**	②	3002894	20
18 terminal points	black	**PTFIX 18X1,5-G BK**	③	3002895	20
6 terminal points	violet	**PTFIX 6X1,5-G VT**	①	3002896	20
12 terminal points	violet	**PTFIX 12X1,5-G VT**	②	3002897	20
18 terminal points	violet	**PTFIX 18X1,5-G VT**	③	3002899	20
6 terminal points	pink	**PTFIX 6X1,5-G PK**	①	3002900	20
12 terminal points	pink	**PTFIX 12X1,5-G PK**	②	3002901	20
18 terminal points	pink	**PTFIX 18X1,5-G PK**	③	3002902	20
6 terminal points	orange	**PTFIX 6X1,5-G OG**	①	3002903	20
12 terminal points	orange	**PTFIX 12X1,5-G OG**	②	3002904	20
18 terminal points	orange	**PTFIX 18X1,5-G OG**	③	3002905	20
6 terminal points	black/yellow	**PTFIX 6X1,5-G-FE**	①	3002906	20
12 terminal points	black/yellow	**PTFIX 12X1,5-G-FE**	②	3002907	20
18 terminal points	black/yellow	**PTFIX 18X1,5-G-FE**	③	3002909	20

new



26 A, mounting on DIN rail NS 35 or NS 15, transverse to the DIN rail



26 A, mounting on DIN rail NS 15, along the DIN rail

Technical data

Width	Length	Height NS 35/7,5	
21.6	**58.1**	**28.4**	
Width	Length	Height NS 15	
21.6	**58.1**	**26.4**	
Width	Length	Height	
21.6	**58.1**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
26	**500**	**0.14 - 2.5**	**26-14**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
17.5 / -	15	15 / -	-

Ordering data

Type		Order No.	Pcs./Pkt.
PTFIX 18X1,5-NS35 GY	①	1046949	20
PTFIX 18X1,5-NS35 BU	①	1046950	20
PTFIX 18X1,5-NS35 RD	①	1046951	20
PTFIX 18X1,5-NS35 YE	①	1046954	20
PTFIX 18X1,5-NS35 GN	①	1046953	20
PTFIX 18X1,5-NS35 BN	①	1046952	20
PTFIX 18X1,5-NS35 WH	①	1046956	20
PTFIX 18X1,5-NS35 BK	①	1046955	20
PTFIX 18X1,5-NS35 VT	①	1046957	20
PTFIX 18X1,5-NS35 PK	①	1046959	20
PTFIX 18X1,5-NS35 OG	①	1046958	20
PTFIX 18X1,5-NS35-FE	①	1046960	20

Technical data

Width	Length	Height NS 35/7,5	
12.5	**21.6**	**-**	
Width	Length	Height NS 15	
12.5	**21.6**	**27.4**	
Width	Length	Height	
12.5	**21.6**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
26	**500**	**0.14 - 2.5**	**26-14**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
17.5 / -	15	15 / -	-

Ordering data

Type		Order No.	Pcs./Pkt.
PTFIX 6X1,5-NS15A GY	①	3002910	20
PTFIX 12X1,5-NS15A GY	②	3002914	20
PTFIX 18X1,5-NS15A GY	③	3002917	20
PTFIX 6X1,5-NS15A BU	①	3002919	20
PTFIX 12X1,5-NS15A BU	②	3002922	20
PTFIX 18X1,5-NS15A BU	③	3002926	20
PTFIX 6X1,5-NS15A RD	①	3002928	20
PTFIX 12X1,5-NS15A RD	②	3002931	20
PTFIX 18X1,5-NS15A RD	③	3002934	20
PTFIX 6X1,5-NS15A YE	①	3002955	20
PTFIX 12X1,5-NS15A YE	②	3002958	20
PTFIX 18X1,5-NS15A YE	③	3002961	20
PTFIX 6X1,5-NS15A GN	①	3002963	20
PTFIX 12X1,5-NS15A GN	②	3002964	20
PTFIX 18X1,5-NS15A GN	③	3002965	20
PTFIX 6X1,5-NS15A BN	①	3002970	20
PTFIX 12X1,5-NS15A BN	②	3002971	20
PTFIX 18X1,5-NS15A BN	③	3002972	20
PTFIX 6X1,5-NS15A WH	①	3002936	20
PTFIX 12X1,5-NS15A WH	②	3002941	20
PTFIX 18X1,5-NS15A WH	③	3002944	20
PTFIX 6X1,5-NS15A BK	①	3002967	20
PTFIX 12X1,5-NS15A BK	②	3002968	20
PTFIX 18X1,5-NS15A BK	③	3002969	20
PTFIX 6X1,5-NS15A VT	①	3002973	20
PTFIX 12X1,5-NS15A VT	②	3002974	20
PTFIX 18X1,5-NS15A VT	③	3002975	20
PTFIX 6X1,5-NS15A PK	①	3002976	20
PTFIX 12X1,5-NS15A PK	②	3002977	20
PTFIX 18X1,5-NS15A PK	③	3002978	20
PTFIX 6X1,5-NS15A OG	①	3002946	20
PTFIX 12X1,5-NS15A OG	②	3002949	20
PTFIX 18X1,5-NS15A OG	③	3002952	20
PTFIX 6X1,5-NS15A-FE	①	3002980	20
PTFIX 12X1,5-NS15A-FE	②	3002981	20
PTFIX 18X1,5-NS15A-FE	③	3002983	20

1.5 mm² distribution blocks with PTFIX feed-in

General technical data

Rated data		IEC 60947-7-1 / IEC 60998-2-2			
Rated cross section	[mm²]	1.5			
Cross section range	AWG	26 - 14			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 2.5	0.14 - 1.5	0.14 - 1.5	0.14 - 1.5
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
Connection cross sections directly plug-in	[mm²]	0.34 - 2.5	-	0.34 - 1.5	0.34 - 1.5
Rated data, feed		IEC 60947-7-1 / IEC 60998-2-2			
Nominal current / cross section range	[A] / [AWG]	41 - , 57 - / 24 - 12			
Supply connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.2 - 4	0.2 - 4
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
Connection cross sections directly plug-in	[mm²]	0.34 - 6	4	0.2 - 4	0.2 - 4
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

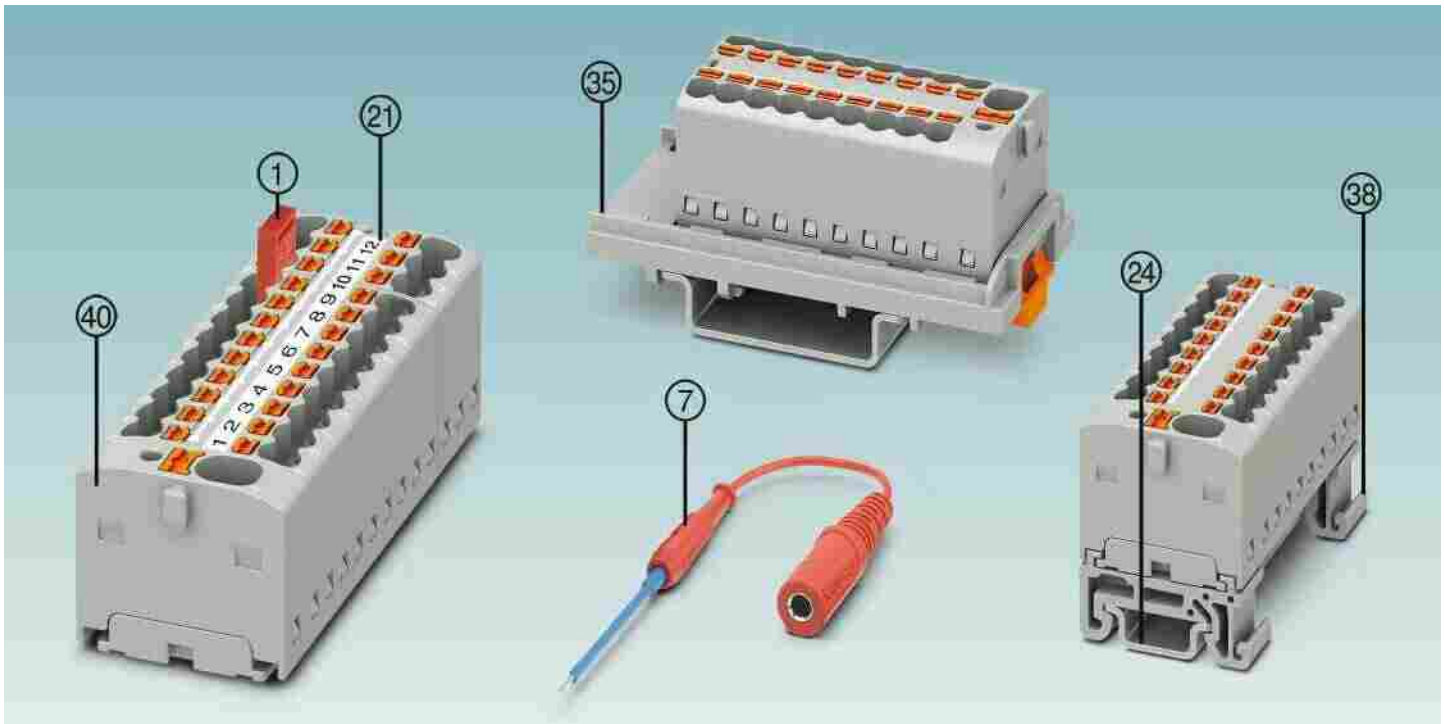
Notes:

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-4**	3030116	50			
Test plug			**MPS-MT 1-S**	1944372	1			
Test adapter, 4 mm socket hole			**MPS-MT 1-S4-B RD**	1982800	50			
NS 35 or NS 15 DIN rail adapters, transverse			**PTFIX 1,5-NS35**	1049497	30			
NS 35 DIN rail adapters, lateral			**PTFIX 1,5-NS35AD**	1049498	30			
NS 35 DIN rail adapters with end bracket function, lateral			**PTFIX 1,5-NS35AD-FIX**	1049499	30			
NS 15 DIN rail adapters, lateral			**PTFIX 1,5-NS15A**	1049500	30			
NS 15 DIN rail adapters with end bracket function, lateral			**PTFIX 1,5-NS15A-FIX**	1049501	30			
Mounting flange		gray	**PTFIX 1,5-F**	1049503	30			
Screwdriver			**SZF 0-0,4X2,5**	1204504	10			

Center groove labeling	**TML (... X3.8)R, see also Catalog 3**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

PTFIX ... distribution blocks

The basic blocks can be individually self-assembled with different adapters or flanges in accordance with the desired mounting type.

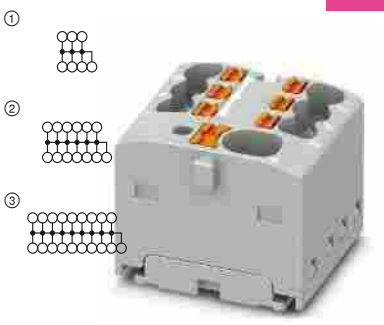
Notes:

[1]) For additional accessories and technical data, see page 434.

Observe DIN IEC 60364-4-43 (DIN VDE 0100-430:2010-10) section 433.2 ff.

With distribution blocks, the maximum permissible total current can vary with different numbers of terminal points.

new



32 A, basic block, with feed-in, for self-assembly

EAC

Technical data[1])

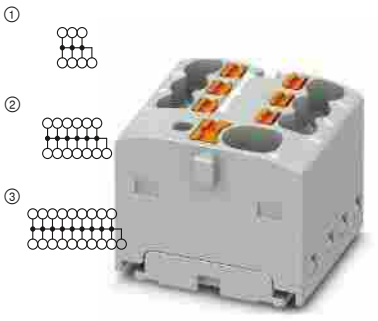
Dimensions				
	[mm]	Width	Length	Height
		19	**21.6**	**17.7**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	**450**	**0.14 - 2.5** / **-**
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	450	-	- / -
Nominal current / cross section	[A] / [mm²]	17.5	- / -	- / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Basic block, with supply, 7 terminal points	gray	**PTFIX 4/6X1,5 GY**	①	1047466	20
13 terminal points	gray	**PTFIX 4/12X1,5 GY**	②	1046961	20
19 terminal points	gray	**PTFIX 4/18X1,5 GY**	③	1047418	20
7 terminal points	blue	**PTFIX 4/6X1,5 BU**	①	1047467	20
13 terminal points	blue	**PTFIX 4/12X1,5 BU**	②	1046962	20
19 terminal points	blue	**PTFIX 4/18X1,5 BU**	③	1047419	20
7 terminal points	red	**PTFIX 4/6X1,5 RD**	①	1047468	20
13 terminal points	red	**PTFIX 4/12X1,5 RD**	②	1046963	20
19 terminal points	red	**PTFIX 4/18X1,5 RD**	③	1047420	20
7 terminal points	yellow	**PTFIX 4/6X1,5 YE**	①	1047471	20
13 terminal points	yellow	**PTFIX 4/12X1,5 YE**	②	1046966	20
19 terminal points	yellow	**PTFIX 4/18X1,5 YE**	③	1047423	20
7 terminal points	green	**PTFIX 4/6X1,5 GN**	①	1047470	20
13 terminal points	green	**PTFIX 4/12X1,5 GN**	②	1046965	20
19 terminal points	green	**PTFIX 4/18X1,5 GN**	③	1047422	20
7 terminal points	brown	**PTFIX 4/6X1,5 BN**	①	1047469	20
13 terminal points	brown	**PTFIX 4/12X1,5 BN**	②	1046964	20
19 terminal points	brown	**PTFIX 4/18X1,5 BN**	③	1047421	20
7 terminal points	white	**PTFIX 4/6X1,5 WH**	①	1047473	20
13 terminal points	white	**PTFIX 4/12X1,5 WH**	②	1046972	20
19 terminal points	white	**PTFIX 4/18X1,5 WH**	③	1047425	20
7 terminal points	black	**PTFIX 4/6X1,5 BK**	①	1047472	20
13 terminal points	black	**PTFIX 4/12X1,5 BK**	②	1046967	20
19 terminal points	black	**PTFIX 4/18X1,5 BK**	③	1047424	20
7 terminal points	violet	**PTFIX 4/6X1,5 VT**	①	1047474	20
13 terminal points	violet	**PTFIX 4/12X1,5 VT**	②	1046968	20
19 terminal points	violet	**PTFIX 4/18X1,5 VT**	③	1047426	20
7 terminal points	pink	**PTFIX 4/6X1,5 PK**	①	1047476	20
13 terminal points	pink	**PTFIX 4/12X1,5 PK**	②	1046970	20
19 terminal points	pink	**PTFIX 4/18X1,5 PK**	③	1047428	20
7 terminal points	orange	**PTFIX 4/6X1,5 OG**	①	1047475	20
13 terminal points	orange	**PTFIX 4/12X1,5 OG**	②	1046969	20
19 terminal points	orange	**PTFIX 4/18X1,5 OG**	③	1047427	20
7 terminal points	black/yellow	**PTFIX 4/6X1,5-FE**	①	1047477	20
13 terminal points	black/yellow	**PTFIX 4/12X1,5-FE**	②	1046971	20
19 terminal points	black/yellow	**PTFIX 4/18X1,5-FE**	③	1047429	20

Distribution blocks

Notes:
For additional accessories and technical data, see page 434.
Observe DIN IEC 60364-4-43 (DIN VDE 0100-430:2010-10) section 433.2 ff.
With distribution blocks, the maximum permissible total current can vary with different numbers of terminal points.



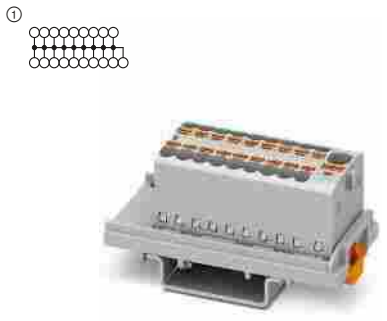
32 A, adhesive mounting

Technical data

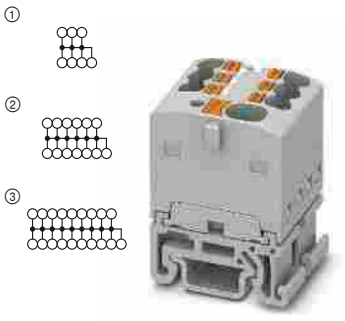
Dimensions			
Width	Length	Height NS 35/7,5	
[mm]	**19**	**21.6**	**-**
Dimensions			
Width	Length	Height NS 15	
[mm]	**19**	**21.6**	**-**
Dimensions			
Width	Length	Height	
[mm]	**19**	**21.6**	**18.7**
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**450**	**0.14 - 2.5**	**-**
Rated data			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	450	-	-	-
Nominal current / cross section [A] / [mm²]	17.5 / -	-	-	-

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Basic block, with supply, 7 terminal points	gray	**PTFIX 4/6X1,5-G GY**	①	1047478	20
13 terminal points	gray	**PTFIX 4/12X1,5-G GY**	②	1046973	20
19 terminal points	gray	**PTFIX 4/18X1,5-G GY**	③	1047430	20
7 terminal points	blue	**PTFIX 4/6X1,5-G BU**	①	1047479	20
13 terminal points	blue	**PTFIX 4/12X1,5-G BU**	②	1046974	20
19 terminal points	blue	**PTFIX 4/18X1,5-G BU**	③	1047431	20
7 terminal points	red	**PTFIX 4/6X1,5-G RD**	①	1047480	20
13 terminal points	red	**PTFIX 4/12X1,5-G RD**	②	1046975	20
19 terminal points	red	**PTFIX 4/18X1,5-G RD**	③	1047432	20
7 terminal points	yellow	**PTFIX 4/6X1,5-G YE**	①	1047483	20
13 terminal points	yellow	**PTFIX 4/12X1,5-G YE**	②	1046978	20
19 terminal points	yellow	**PTFIX 4/18X1,5-G YE**	③	1047435	20
7 terminal points	green	**PTFIX 4/6X1,5-G GN**	①	1047482	20
13 terminal points	green	**PTFIX 4/12X1,5-G GN**	②	1046977	20
19 terminal points	green	**PTFIX 4/18X1,5-G GN**	③	1047434	20
7 terminal points	brown	**PTFIX 4/6X1,5-G BN**	①	1047481	20
13 terminal points	brown	**PTFIX 4/12X1,5-G BN**	②	1046976	20
19 terminal points	brown	**PTFIX 4/18X1,5-G BN**	③	1047433	20
7 terminal points	white	**PTFIX 4/6X1,5-G WH**	①	1047485	20
13 terminal points	white	**PTFIX 4/12X1,5-G WH**	②	1046980	20
19 terminal points	white	**PTFIX 4/18X1,5-G WH**	③	1047437	20
7 terminal points	black	**PTFIX 4/6X1,5-G BK**	①	1047484	20
13 terminal points	black	**PTFIX 4/12X1,5-G BK**	②	1046979	20
19 terminal points	black	**PTFIX 4/18X1,5-G BK**	③	1047436	20
7 terminal points	violet	**PTFIX 4/6X1,5-G VT**	①	1047486	20
13 terminal points	violet	**PTFIX 4/12X1,5-G VT**	②	1046981	20
19 terminal points	violet	**PTFIX 4/18X1,5-G VT**	③	1047438	20
7 terminal points	pink	**PTFIX 4/6X1,5-G PK**	①	1047488	20
13 terminal points	black/yellow	**PTFIX 4/12X1,5-G PK**	②	1046983	20
19 terminal points	pink	**PTFIX 4/18X1,5-G PK**	③	1047440	20
7 terminal points	orange	**PTFIX 4/6X1,5-G OG**	①	1047487	20
13 terminal points	orange	**PTFIX 4/12X1,5-G OG**	②	1046982	20
19 terminal points	orange	**PTFIX 4/18X1,5-G OG**	③	1047439	20
7 terminal points	black/yellow	**PTFIX 4/6X1,5-G-FE**	①	1047489	20
13 terminal points	black/yellow	**PTFIX 4/12X1,5-G-FE**	②	1046984	20
19 terminal points	black/yellow	**PTFIX 4/18X1,5-G-FE**	③	1047441	20



32 A, mounting on DIN rail NS 35 or NS 15, transverse to the DIN rail



32 A, mounting on DIN rail NS 15, along the DIN rail

EAC

Technical data

Width	Length	Height NS 35/7,5	
21.6	**58.1**	**28.4**	
Width	Length	Height NS 15	
21.6	**58.1**	**26.4**	
Width	Length	Height	
21.6	**58.1**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**500**	**0.14 - 2.5**	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
17.5 / -	-	-	-

Ordering data

Type		Order No.	Pcs./Pkt.
PTFIX 4/18X1,5-NS35 GY	①	1047454	20
PTFIX 4/18X1,5-NS35 BU	①	1047455	20
PTFIX 4/18X1,5-NS35 RD	①	1047456	20
PTFIX 4/18X1,5-NS35 YE	①	1047459	20
PTFIX 4/18X1,5-NS35 GN	①	1047458	20
PTFIX 4/18X1,5-NS35 BN	①	1047457	20
PTFIX 4/18X1,5-NS35 WH	①	1047461	20
PTFIX 4/18X1,5-NS35 BK	①	1047460	20
PTFIX 4/18X1,5-NS35 VT	①	1047462	20
PTFIX 4/18X1,5-NS35 PK	①	1047464	20
PTFIX 4/18X1,5-NS35 OG	①	1047463	20
PTFIX 4/18X1,5-NS35-FE	①	1047465	20

EAC

Technical data

Width	Length	Height NS 35/7,5	
19	**21.6**	**-**	
Width	Length	Height NS 15	
19	**21.6**	**27.4**	
Width	Length	Height	
19	**21.6**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**500**	**0.14 - 2.5**	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
17.5 / -	-	-	-

Ordering data

Type		Order No.	Pcs./Pkt.
PTFIX 4/6X1,5-NS15A GY	①	1047490	20
PTFIX 4/12X1,5-NS15A GY	②	1046985	20
PTFIX 4/18X1,5-NS15A GY	③	1047442	20
PTFIX 4/6X1,5-NS15A BU	①	1047491	20
PTFIX 4/12X1,5-NS15A BU	②	1046986	20
PTFIX 4/18X1,5-NS15A BU	③	1047443	20
PTFIX 4/6X1,5-NS15A RD	①	1047492	20
PTFIX 4/12X1,5-NS15A RD	②	1046987	20
PTFIX 4/18X1,5-NS15A RD	③	1047444	20
PTFIX 4/6X1,5-NS15A YE	①	1047495	20
PTFIX 4/12X1,5-NS15A YE	②	1046990	20
PTFIX 4/18X1,5-NS15A YE	③	1047447	20
PTFIX 4/6X1,5-NS15A GN	①	1047494	20
PTFIX 4/12X1,5-NS15A GN	②	1046989	20
PTFIX 4/18X1,5-NS15A GN	③	1047446	20
PTFIX 4/6X1,5-NS15A BN	①	1047493	20
PTFIX 4/12X1,5-NS15A BN	②	1046988	20
PTFIX 4/18X1,5-NS15A BN	③	1047445	20
PTFIX 4/6X1,5-NS15A WH	①	1047497	20
PTFIX 4/12X1,5-NS15A WH	②	1046992	20
PTFIX 4/18X1,5-NS15A WH	③	1047449	20
PTFIX 4/6X1,5-NS15A BK	①	1047496	20
PTFIX 4/12X1,5-NS15A BK	②	1046991	20
PTFIX 4/18X1,5-NS15A BK	③	1047448	20
PTFIX 4/6X1,5-NS15A VT	①	1047498	20
PTFIX 4/12X1,5-NS15A VT	②	1046993	20
PTFIX 4/18X1,5-NS15A VT	③	1047450	20
PTFIX 4/6X1,5-NS15A PK	①	1047500	20
PTFIX 4/12X1,5-NS15A PK	②	1046995	20
PTFIX 4/18X1,5-NS15A PK	③	1047452	20
PTFIX 4/6X1,5-NS15A OG	①	1047499	20
PTFIX 4/12X1,5-NS15A OG	②	1046994	20
PTFIX 4/18X1,5-NS15A OG	③	1047451	20
PTFIX 4/6X1,5-NS15A-FE	①	1047501	20
PTFIX 4/12X1,5-NS15A-FE	②	1046996	20
PTFIX 4/18X1,5-NS15A-FE	③	1047453	20

2.5 mm² PTFIX distributor blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60998-2-2			
Rated cross section	[mm²]	2.5			
Cross section range	AWG	26 - 12			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
Connection cross sections directly plug-in	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

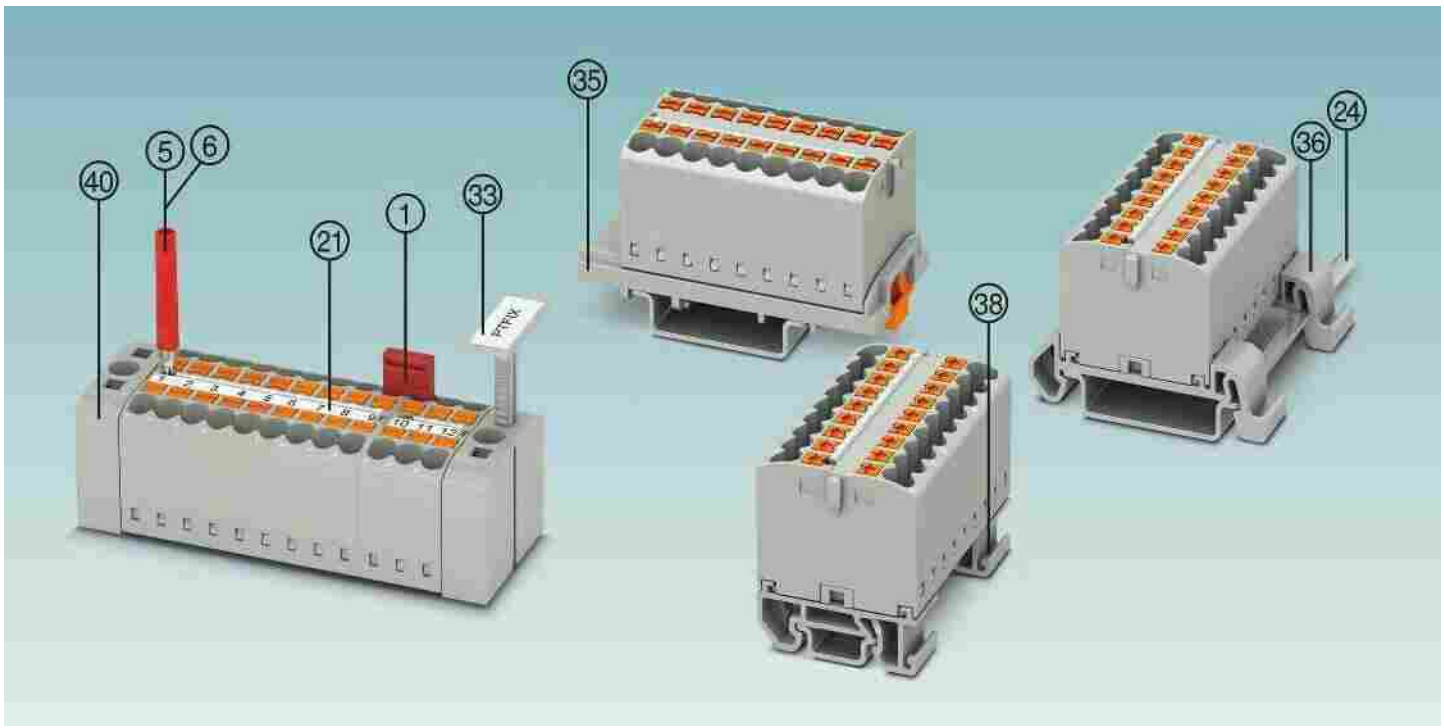
Notes:

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-5**	3030161	50			
Test plug metal part		silver	**MPS-MT SN**	3212251	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Terminal strip markers		gray	**KLM 2**	0807575	100			
Terminal strip markers		gray	**KLM 3**	0811969	100			
NS 35 or NS 15 DIN rail adapters, transverse		gray	**PTFIX-NS35**	3274054	20			
NS 35 DIN rail adapters, lateral		gray	**PTFIX-NS35A**	3274056	20			
NS 35 DIN rail adapters with end bracket function, lateral		gray	**PTFIX-NS35A-FIX**	3274057	20			
NS 15 DIN rail adapters, lateral		gray	**PTFIX-NS15A**	3274058	20			
NS 15 DIN rail adapters with end bracket function, lateral		gray	**PTFIX-NS15A-FIX**	3274059	20			
Mounting flange		gray	**PTFIX-F**	3274060	20			
Screwdriver			**SZF 1-0,6X3,5**	1204517	10			

Center groove labeling

DIN rail and end bracket

For full accessories, visit phoenixcontact.net/products

TML (... X3.8)R, see also Catalog 3

See Catalog 3

Note: Additional or deviating accessories are listed alongside the respective product.

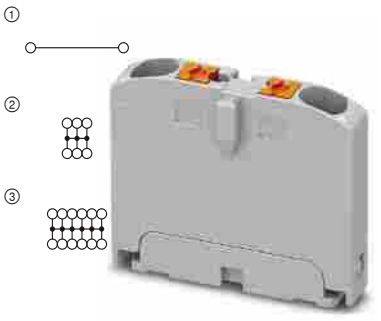
PTFIX ... distribution blocks

The basic blocks can be mounted directly with mounting flanges.

Notes:

[1]) For additional accessories and technical data, see page 438.

With distribution blocks, the maximum permissible total current can vary with different numbers of terminal points.



27 A, basic block, for self-assembly

Technical data[1])

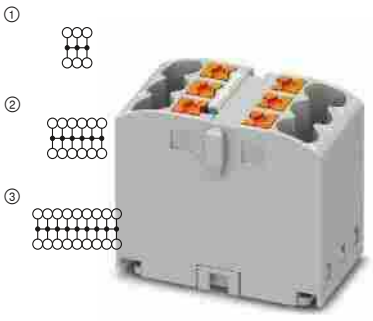
Dimensions				
	[mm]	Width	Length	Height
		5.2	**28.6**	**21.7**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		27	**450**	**0.14 - 4** / **26-12**
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	450	600	600 / -
Nominal current / cross section	[A] / [mm²]	24	20 / -	20 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Basic block, 2 terminal points	gray	**PTFIX 2X2,5 GY**	①	1028067	50
6 terminal points	gray	**PTFIX 6X2,5 GY**	②	3273264	10
12 terminal points	gray	**PTFIX 12X2,5 GY**	③	3273286	8
18 terminal points	gray	**PTFIX 18X2,5 GY**		3273308	8
2 terminal points	blue	**PTFIX 2X2,5 BU**	①	1028068	50
6 terminal points	blue	**PTFIX 6X2,5 BU**	②	3273266	10
12 terminal points	blue	**PTFIX 12X2,5 BU**	③	3273288	8
18 terminal points	blue	**PTFIX 18X2,5 BU**		3273310	8
2 terminal points	red	**PTFIX 2X2,5 RD**	①	1028069	50
6 terminal points	red	**PTFIX 6X2,5 RD**	②	3273268	10
12 terminal points	red	**PTFIX 12X2,5 RD**	③	3273290	8
18 terminal points	red	**PTFIX 18X2,5 RD**		3273312	8
2 terminal points	yellow	**PTFIX 2X2,5 YE**	①	1028070	50
6 terminal points	yellow	**PTFIX 6X2,5 YE**	②	3273270	10
12 terminal points	yellow	**PTFIX 12X2,5 YE**	③	3273292	8
18 terminal points	yellow	**PTFIX 18X2,5 YE**		3273314	8
2 terminal points	green	**PTFIX 2X2,5 GN**	①	1028071	50
6 terminal points	green	**PTFIX 6X2,5 GN**	②	3273272	10
12 terminal points	green	**PTFIX 12X2,5 GN**	③	3273294	8
18 terminal points	green	**PTFIX 18X2,5 GN**		3273316	8
2 terminal points	brown	**PTFIX 2X2,5 BN**	①	1028072	50
6 terminal points	brown	**PTFIX 6X2,5 BN**	②	3273274	10
12 terminal points	brown	**PTFIX 12X2,5 BN**	③	3273296	8
18 terminal points	brown	**PTFIX 18X2,5 BN**		3273318	8
2 terminal points	white	**PTFIX 2X2,5 WH**	①	1028073	50
6 terminal points	white	**PTFIX 6X2,5 WH**	②	3273276	10
12 terminal points	white	**PTFIX 12X2,5 WH**	③	3273298	8
18 terminal points	white	**PTFIX 18X2,5 WH**		3273320	8
2 terminal points	black	**PTFIX 2X2,5 BK**	①	1028074	50
6 terminal points	black	**PTFIX 6X2,5 BK**	②	3273278	10
12 terminal points	black	**PTFIX 12X2,5 BK**	③	3273300	8
18 terminal points	black	**PTFIX 18X2,5 BK**		3273322	8
2 terminal points	violet	**PTFIX 2X2,5 VT**	①	1028075	50
6 terminal points	violet	**PTFIX 6X2,5 VT**	②	3273280	10
12 terminal points	violet	**PTFIX 12X2,5 VT**	③	3273302	8
18 terminal points	violet	**PTFIX 18X2,5 VT**		3273324	8
2 terminal points	pink	**PTFIX 2X2,5 PK**	①	1028076	50
6 terminal points	pink	**PTFIX 6X2,5 PK**	②	3273281	10
12 terminal points	pink	**PTFIX 12X2,5 PK**	③	3273303	8
18 terminal points	pink	**PTFIX 18X2,5 PK**		3273325	8
2 terminal points	orange	**PTFIX 2X2,5 OG**	①	1028077	50
6 terminal points	orange	**PTFIX 6X2,5 OG**	②	3273282	10
12 terminal points	orange	**PTFIX 12X2,5 OG**	③	3273304	8
18 terminal points	orange	**PTFIX 18X2,5 OG**		3273326	8
2 terminal points	black/yellow	**PTFIX 2X2,5-FE**	①	1028078	50
6 terminal points	black/yellow	**PTFIX 6X2,5-FE**	②	3273284	10
12 terminal points	black/yellow	**PTFIX 12X2,5-FE**	③	3273306	8
18 terminal points	black/yellow	**PTFIX 18X2,5-FE**		3273328	8
6 terminal points	blue/white	**PTFIX 6X2,5 BUWH**	②	1091675	10

PTFIX ... distribution blocks

Notes:
For additional accessories and technical data, see page 438.
With distribution blocks, the maximum permissible total current can vary with different numbers of terminal points.



32 A, adhesive mounting

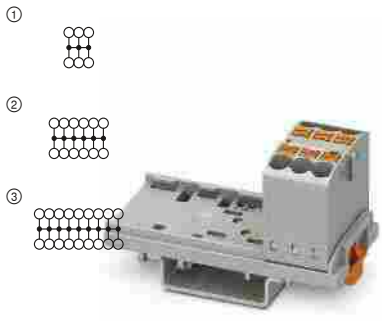
EAC

Technical data

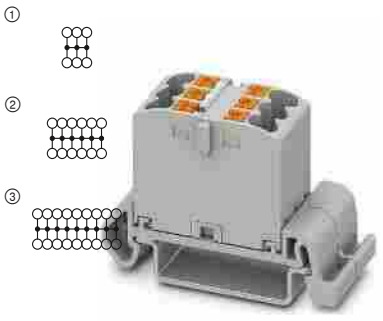
Dimensions			
Width	Length	Height NS 35/7,5	
[mm]	**16**	**28.6**	**-**
Dimensions			
Width	Length	Height NS 15	
[mm]	**16**	**28.6**	**-**
Dimensions			
Width	Length	Height	
[mm]	**16**	**28.6**	**22.7**
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	32	**450**	**0.14 - 4**	**26-12**
Rated data			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	450	600	600	-
Nominal current / cross section [A] / [mm²]	24 / -	20	20 / -	-

Ordering data

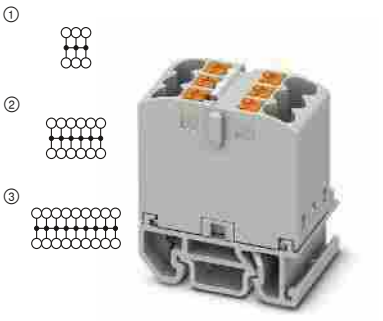
Description	Color	Type		Order No.	Pcs./Pkt.
Basic block, 6 terminal points	gray	**PTFIX 6X2,5-G GY**	①	3273395	10
12 terminal points	gray	**PTFIX 12X2,5-G GY**	②	3273416	8
18 terminal points	gray	**PTFIX 18X2,5-G GY**	③	3273438	8
6 terminal points	blue	**PTFIX 6X2,5-G BU**	①	3273396	10
12 terminal points	blue	**PTFIX 12X2,5-G BU**	②	3273418	8
18 terminal points	blue	**PTFIX 18X2,5-G BU**	③	3273440	8
6 terminal points	red	**PTFIX 6X2,5-G RD**	①	3273398	10
12 terminal points	red	**PTFIX 12X2,5-G RD**	②	3273420	8
18 terminal points	red	**PTFIX 18X2,5-G RD**	③	3273442	8
6 terminal points	yellow	**PTFIX 6X2,5-G YE**	①	3273400	10
12 terminal points	yellow	**PTFIX 12X2,5-G YE**	②	3273422	8
18 terminal points	yellow	**PTFIX 18X2,5-G YE**	③	3273444	8
6 terminal points	green	**PTFIX 6X2,5-G GN**	①	3273402	10
12 terminal points	green	**PTFIX 12X2,5-G GN**	②	3273424	8
18 terminal points	green	**PTFIX 18X2,5-G GN**	③	3273446	8
6 terminal points	brown	**PTFIX 6X2,5-G BN**	①	3273404	10
12 terminal points	brown	**PTFIX 12X2,5-G BN**	②	3273426	8
18 terminal points	brown	**PTFIX 18X2,5-G BN**	③	3273448	8
6 terminal points	white	**PTFIX 6X2,5-G WH**	①	3273406	10
12 terminal points	white	**PTFIX 12X2,5-G WH**	②	3273428	8
18 terminal points	white	**PTFIX 18X2,5-G WH**	③	3273450	8
6 terminal points	black	**PTFIX 6X2,5-G BK**	①	3273408	10
12 terminal points	black	**PTFIX 12X2,5-G BK**	②	3273430	8
18 terminal points	black	**PTFIX 18X2,5-G BK**	③	3273452	8
6 terminal points	violet	**PTFIX 6X2,5-G VT**	①	3273410	10
12 terminal points	violet	**PTFIX 12X2,5-G VT**	②	3273432	8
18 terminal points	violet	**PTFIX 18X2,5-G VT**	③	3273454	8
6 terminal points	pink	**PTFIX 6X2,5-G PK**	①	3273411	10
12 terminal points	pink	**PTFIX 12X2,5-G PK**	②	3273433	8
18 terminal points	pink	**PTFIX 18X2,5-G PK**	③	3273455	8
6 terminal points	orange	**PTFIX 6X2,5-G OG**	①	3273412	10
12 terminal points	orange	**PTFIX 12X2,5-G OG**	②	3273434	8
18 terminal points	orange	**PTFIX 18X2,5-G OG**	③	3273456	8
6 terminal points	black/yellow	**PTFIX 6X2,5-FE-G**	①	3273414	10
12 terminal points	black/yellow	**PTFIX 12X2,5-FE-G**	②	3273436	8
18 terminal points	black/yellow	**PTFIX 18X2,5-FE-G**	③	3273458	8



32 A, mounting on DIN rail NS 35 or NS 15, transverse to the DIN rail



32 A, mounting on DIN rail NS 35, along the DIN rail



32 A, mounting on DIN rail NS 15, along the DIN rail

Technical data

Width	Length	Height NS 35/7,5	
28.6	**58.1**	**32.4**	
Width	Length	Height NS 15	
28.6	**58.1**	**30.4**	
Width	Length	Height	
28.6	**58.1**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**690**	**0.14 - 4**	**26-12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
690	600	600	-
24 / -	20	20 / -	-

Ordering data

Type		Order No.	Pcs./Pkt.
PTFIX 6X2,5-NS35 GY	①	3273000	10
PTFIX 12X2,5-NS35 GY	②	3273022	8
PTFIX 18X2,5-NS35 GY	③	3273044	8
PTFIX 6X2,5-NS35 BU	①	3273002	10
PTFIX 12X2,5-NS35 BU	②	3273024	8
PTFIX 18X2,5-NS35 BU	③	3273046	8
PTFIX 6X2,5-NS35 RD	①	3273004	10
PTFIX 12X2,5-NS35 RD	②	3273026	8
PTFIX 18X2,5-NS35 RD	③	3273048	8
PTFIX 6X2,5-NS35 YE	①	3273006	10
PTFIX 12X2,5-NS35 YE	②	3273028	8
PTFIX 18X2,5-NS35 YE	③	3273050	8
PTFIX 6X2,5-NS35 GN	①	3273008	10
PTFIX 12X2,5-NS35 GN	②	3273030	8
PTFIX 18X2,5-NS35 GN	③	3273052	8
PTFIX 6X2,5-NS35 BN	①	3273010	10
PTFIX 12X2,5-NS35 BN	②	3273032	8
PTFIX 18X2,5-NS35 BN	③	3273054	8
PTFIX 6X2,5-NS35 WH	①	3273012	10
PTFIX 12X2,5-NS35 WH	②	3273034	8
PTFIX 18X2,5-NS35 WH	③	3273056	8
PTFIX 6X2,5-NS35 BK	①	3273014	10
PTFIX 12X2,5-NS35 BK	②	3273036	8
PTFIX 18X2,5-NS35 BK	③	3273058	8
PTFIX 6X2,5-NS35 VT	①	3273016	10
PTFIX 12X2,5-NS35 VT	②	3273038	8
PTFIX 18X2,5-NS35 VT	③	3273060	8
PTFIX 6X2,5-NS35 PK	①	3273017	10
PTFIX 12X2,5-NS35 PK	②	3273039	8
PTFIX 18X2,5-NS35 PK	③	3273061	8
PTFIX 6X2,5-NS35 OG	①	3273018	10
PTFIX 12X2,5-NS35 OG	②	3273040	8
PTFIX 18X2,5-NS35 OG	③	3273062	8
PTFIX 6X2,5-NS35-FE	①	3273020	10
PTFIX 12X2,5-NS35-FE	②	3273042	8
PTFIX 18X2,5-NS35-FE	③	3273064	8

Technical data

Width	Length	Height NS 35/7,5	
16	**45.7**	**30.9**	
Width	Length	Height NS 15	
16	**45.7**	**-**	
Width	Length	Height	
16	**45.7**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**690**	**0.14 - 4**	**26-12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
690	600	600	-
24 / -	20	20 / -	-

Ordering data

Type		Order No.	Pcs./Pkt.
PTFIX 6X2,5-NS35A GY	①	3273132	10
PTFIX 12X2,5-NS35A GY	②	3273154	8
PTFIX 18X2,5-NS35A GY	③	3273176	8
PTFIX 6X2,5-NS35A BU	①	3273134	10
PTFIX 12X2,5-NS35A BU	②	3273156	8
PTFIX 18X2,5-NS35A BU	③	3273178	8
PTFIX 6X2,5-NS35A RD	①	3273136	10
PTFIX 12X2,5-NS35A RD	②	3273158	8
PTFIX 18X2,5-NS35A RD	③	3273180	8
PTFIX 6X2,5-NS35A YE	①	3273138	10
PTFIX 12X2,5-NS35A YE	②	3273160	8
PTFIX 18X2,5-NS35A YE	③	3273182	8
PTFIX 6X2,5-NS35A GN	①	3273140	10
PTFIX 12X2,5-NS35A GN	②	3273162	8
PTFIX 18X2,5-NS35A GN	③	3273184	8
PTFIX 6X2,5-NS35A BN	①	3273142	10
PTFIX 12X2,5-NS35A BN	②	3273164	8
PTFIX 18X2,5-NS35A BN	③	3273186	8
PTFIX 6X2,5-NS35A WH	①	3273144	10
PTFIX 12X2,5-NS35A WH	②	3273166	8
PTFIX 18X2,5-NS35A WH	③	3273188	8
PTFIX 6X2,5-NS35A BK	①	3273146	10
PTFIX 12X2,5-NS35A BK	②	3273168	8
PTFIX 18X2,5-NS35A BK	③	3273190	8
PTFIX 6X2,5-NS35A VT	①	3273148	10
PTFIX 12X2,5-NS35A VT	②	3273170	8
PTFIX 18X2,5-NS35A VT	③	3273192	8
PTFIX 6X2,5-NS35A PK	①	3273149	10
PTFIX 12X2,5-NS35A PK	②	3273171	8
PTFIX 18X2,5-NS35A PK	③	3273193	8
PTFIX 6X2,5-NS35A OG	①	3273150	10
PTFIX 12X2,5-NS35A OG	②	3273172	8
PTFIX 18X2,5-NS35A OG	③	3273194	8
PTFIX 6X2,5-NS35A-FE	①	3273152	10
PTFIX 12X2,5-NS35A-FE	②	3273174	8
PTFIX 18X2,5-NS35A-FE	③	3273196	8

Technical data

Width	Length	Height NS 35/7,5	
16	**28.6**	**-**	
Width	Length	Height NS 15	
16	**28.6**	**31.4**	
Width	Length	Height	
16	**28.6**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**690**	**0.14 - 4**	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
690	-	600	-
24 / -	-	20 / -	-

Ordering data

Type		Order No.	Pcs./Pkt.
PTFIX 6X2,5-NS15A GY	①	3274100	10
PTFIX 12X2,5-NS15A GY	②	3274122	8
PTFIX 18X2,5-NS15A GY	③	3274144	8
PTFIX 6X2,5-NS15A BU	①	3274102	10
PTFIX 12X2,5-NS15A BU	②	3274124	8
PTFIX 18X2,5-NS15A BU	③	3274146	8
PTFIX 6X2,5-NS15A RD	①	3274104	10
PTFIX 12X2,5-NS15A RD	②	3274126	8
PTFIX 18X2,5-NS15A RD	③	3274148	8
PTFIX 6X2,5-NS15A YE	①	3274106	10
PTFIX 12X2,5-NS15A YE	②	3274128	8
PTFIX 18X2,5-NS15A YE	③	3274150	8
PTFIX 6X2,5-NS15A GN	①	3274108	10
PTFIX 12X2,5-NS15A GN	②	3274130	8
PTFIX 18X2,5-NS15A GN	③	3274152	8
PTFIX 6X2,5-NS15A BN	①	3274110	10
PTFIX 12X2,5-NS15A BN	②	3274132	8
PTFIX 18X2,5-NS15A BN	③	3274154	8
PTFIX 6X2,5-NS15A WH	①	3274112	10
PTFIX 12X2,5-NS15A WH	②	3274134	8
PTFIX 18X2,5-NS15A WH	③	3274156	8
PTFIX 6X2,5-NS15A BK	①	3274114	10
PTFIX 12X2,5-NS15A BK	②	3274136	8
PTFIX 18X2,5-NS15A BK	③	3274158	8
PTFIX 6X2,5-NS15A VT	①	3274116	10
PTFIX 12X2,5-NS15A VT	②	3274138	8
PTFIX 18X2,5-NS15A VT	③	3274160	8
PTFIX 6X2,5-NS15A PK	①	3274117	10
PTFIX 12X2,5-NS15A PK	②	3274139	8
PTFIX 18X2,5-NS15A PK	③	3274161	8
PTFIX 6X2,5-NS15A OG	①	3274118	10
PTFIX 12X2,5-NS15A OG	②	3274140	8
PTFIX 18X2,5-NS15A OG	③	3274162	8
PTFIX 6X2,5-NS15A-FE	①	3274120	10
PTFIX 12X2,5-NS15A-FE	②	3274142	8
PTFIX 18X2,5-NS15A-FE	③	3274164	8

2.5 mm² distributor blocks with PTFIX feed-in

General technical data

Rated data		IEC 60947-7-1 / IEC 60998-2-2			
Rated cross section	[mm²]	2.5			
Cross section range	AWG	26 - 12			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 2.5	0.14 - 2.5	0.14 - 2.5
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
Connection cross sections directly plug-in	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
Rated data, feed		IEC 60947-7-1 / IEC 60998-2-2			
Nominal current / cross section range	[A] / [AWG]	41 with 6 mm² conductor cross section , 57 with 10 mm² conductor cross section / 20 - 8			
Supply connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 10	0.5 - 10
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
Connection cross sections directly plug-in	[mm²]	0.5 - 6	-	1 - 6	1 - 6
General data					
Stripping length	[mm]	8 - 10			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

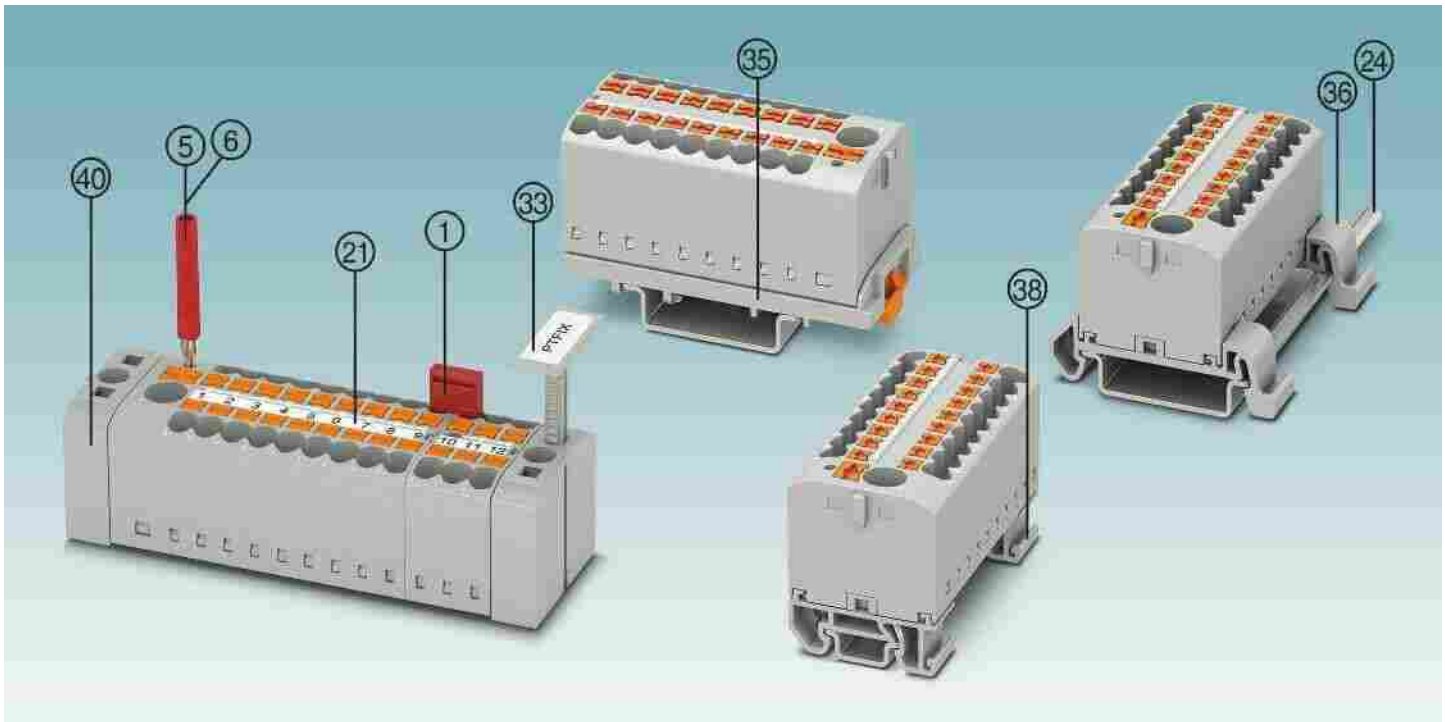
Notes:

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-5**	3030161	50
Test plug metal part		silver	**MPS-MT SN**	3212251	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10
Terminal strip markers		gray	**KLM 2**	0807575	100
Terminal strip markers		gray	**KLM 3**	0811969	100
NS 35 or NS 15 DIN rail adapters, transverse		gray	**PTFIX-NS35**	3274054	20
NS 35 DIN rail adapters, lateral		gray	**PTFIX-NS35A**	3274056	20
NS 35 DIN rail adapters with end bracket function, lateral		gray	**PTFIX-NS35A-FIX**	3274057	20
NS 15 DIN rail adapters, lateral		gray	**PTFIX-NS15A**	3274058	20
NS 15 DIN rail adapters with end bracket function, lateral		gray	**PTFIX-NS15A-FIX**	3274059	20
Mounting flange		gray	**PTFIX-F**	3274060	20
Screwdriver			**SZF 1-0,6X3,5**	1204517	10

Type	Order No.	Pcs./Pkt.

Center groove labeling

DIN rail and end bracket

For full accessories, visit phoenixcontact.net/products

TML (... X3.8)R, see also Catalog 3

See Catalog 3

Note: Additional or deviating accessories are listed alongside the respective product.

PTFIX ... distribution blocks

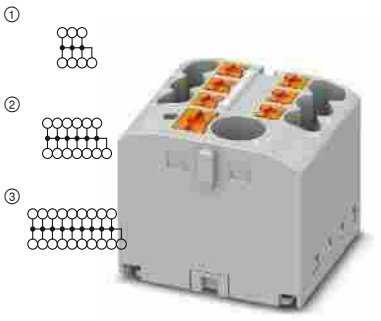
The basic blocks can be individually self-assembled with different adapters or flanges in accordance with the desired mounting type.

Notes:

[1]) For additional accessories and technical data, see page 442.

Observe DIN IEC 60364-4-43 (DIN VDE 0100-430:2010-10) section 433.2 ff.

With distribution blocks, the maximum permissible total current can vary with different numbers of terminal points.



57 A, basic block, with feed-in, for self-assembly

EAC

Technical data[1])

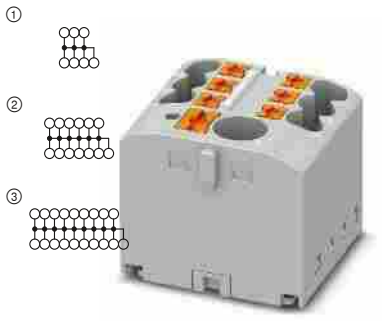
Dimensions				
	[mm]	Width	Length	Height
		25.6	**28.6**	**21.7**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		57	**450**	**0.14 - 4** / **20-8**
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	450	600	600 / -
Nominal current / cross section	[A] / [mm²]	24	50 / -	50 / - / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Basic block, with supply, 7 terminal points	gray	**PTFIX 6/6X2,5 GY**	①	3273330	10
13 terminal points	gray	**PTFIX 6/12X2,5 GY**	②	3273352	8
19 terminal points	gray	**PTFIX 6/18X2,5 GY**	③	3273374	8
7 terminal points	blue	**PTFIX 6/6X2,5 BU**	①	3273332	10
13 terminal points	blue	**PTFIX 6/12X2,5 BU**	②	3273354	8
19 terminal points	blue	**PTFIX 6/18X2,5 BU**	③	3273376	8
7 terminal points	red	**PTFIX 6/6X2,5 RD**	①	3273334	10
13 terminal points	red	**PTFIX 6/12X2,5 RD**	②	3273356	8
19 terminal points	red	**PTFIX 6/18X2,5 RD**	③	3273378	8
7 terminal points	yellow	**PTFIX 6/6X2,5 YE**	①	3273336	10
13 terminal points	yellow	**PTFIX 6/12X2,5 YE**	②	3273358	8
19 terminal points	yellow	**PTFIX 6/18X2,5 YE**	③	3273380	8
7 terminal points	green	**PTFIX 6/6X2,5 GN**	①	3273338	10
13 terminal points	green	**PTFIX 6/12X2,5 GN**	②	3273360	8
19 terminal points	green	**PTFIX 6/18X2,5 GN**	③	3273382	8
7 terminal points	brown	**PTFIX 6/6X2,5 BN**	①	3273340	10
13 terminal points	brown	**PTFIX 6/12X2,5 BN**	②	3273362	8
19 terminal points	brown	**PTFIX 6/18X2,5 BN**	③	3273384	8
7 terminal points	white	**PTFIX 6/6X2,5 WH**	①	3273342	10
13 terminal points	white	**PTFIX 6/12X2,5 WH**	②	3273364	8
19 terminal points	white	**PTFIX 6/18X2,5 WH**	③	3273386	8
7 terminal points	black	**PTFIX 6/6X2,5 BK**	①	3273344	10
13 terminal points	black	**PTFIX 6/12X2,5 BK**	②	3273366	8
19 terminal points	black	**PTFIX 6/18X2,5 BK**	③	3273388	8
7 terminal points	violet	**PTFIX 6/6X2,5 VT**	①	3273346	10
13 terminal points	violet	**PTFIX 6/12X2,5 VT**	②	3273368	8
19 terminal points	violet	**PTFIX 6/18X2,5 VT**	③	3273390	8
7 terminal points	pink	**PTFIX 6/6X2,5 PK**	①	3273347	10
13 terminal points	pink	**PTFIX 6/12X2,5 PK**	②	3273369	8
19 terminal points	pink	**PTFIX 6/18X2,5 PK**	③	3273391	8
7 terminal points	orange	**PTFIX 6/6X2,5 OG**	①	3273348	10
13 terminal points	orange	**PTFIX 6/12X2,5 OG**	②	3273370	8
19 terminal points	orange	**PTFIX 6/18X2,5 OG**	③	3273392	8
7 terminal points	black/yellow	**PTFIX 6/6X2,5-FE**	①	3273350	10
13 terminal points	black/yellow	**PTFIX 6/12X2,5-FE**	②	3273372	8
19 terminal points	black/yellow	**PTFIX 6/18X2,5-FE**	③	3273394	8
7 terminal points	blue/white	**PTFIX 6/6X2,5 BUWH**	①	1091674	10
13 terminal points	blue/white	**PTFIX 6/12X2,5 BUWH**	②	1091672	8
19 terminal points	blue/white	**PTFIX 6/18X2,5 BUWH**	③	1091673	8

Distribution blocks

Notes:
For additional accessories and technical data, see page 442.
Observe DIN IEC 60364-4-43 (DIN VDE 0100-430:2010-10) section 433.2 ff.
With distribution blocks, the maximum permissible total current can vary with different numbers of terminal points.



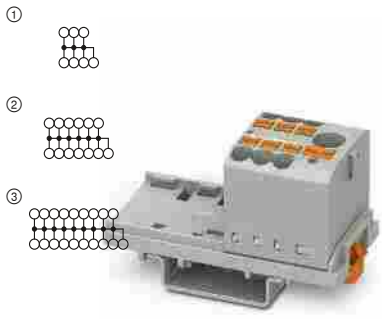
57 A, adhesive mounting

Technical data

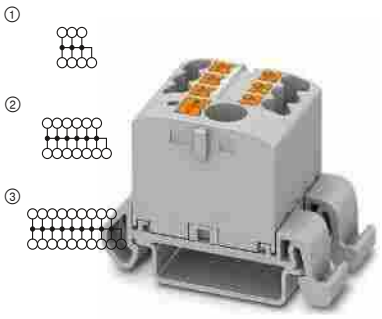
Dimensions			
Width	Length	Height NS 35/7,5	
[mm]	**25.6**	**28.6**	**-**
Dimensions			
Width	Length	Height NS 15	
[mm]	**25.6**	**28.6**	**-**
Dimensions			
Width	Length	Height	
[mm]	**25.6**	**28.6**	**22.7**
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	57	**450**	**0.14 - 4**	**20-8**
Rated data			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	450	600	600	-
Nominal current / cross section [A] / [mm²]	24 / -	50	50 / -	-

Ordering data

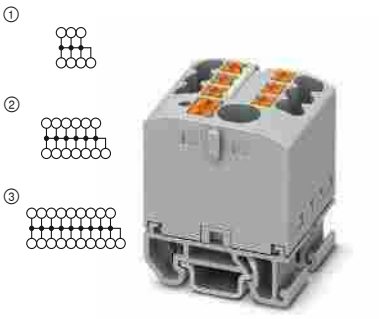
Description	Color	Type		Order No.	Pcs./Pkt.
Basic block, with supply, 7 terminal points	gray	**PTFIX 6/6X2,5-G GY**	①	3273460	10
13 terminal points	gray	**PTFIX 6/12X2,5-G GY**	②	3273482	8
19 terminal points	gray	**PTFIX 6/18X2,5-G GY**	③	3273504	8
7 terminal points	blue	**PTFIX 6/6X2,5-G BU**	①	3273462	10
13 terminal points	blue	**PTFIX 6/12X2,5-G BU**	②	3273484	8
19 terminal points	blue	**PTFIX 6/18X2,5-G BU**	③	3273506	8
7 terminal points	red	**PTFIX 6/6X2,5-G RD**	①	3273464	10
13 terminal points	red	**PTFIX 6/12X2,5-G RD**	②	3273486	8
19 terminal points	red	**PTFIX 6/18X2,5-G RD**	③	3273508	8
7 terminal points	yellow	**PTFIX 6/6X2,5-G YE**	①	3273466	10
13 terminal points	yellow	**PTFIX 6/12X2,5-G YE**	②	3273488	8
19 terminal points	yellow	**PTFIX 6/18X2,5-G YE**	③	3273510	8
7 terminal points	green	**PTFIX 6/6X2,5-G GN**	①	3273468	10
13 terminal points	green	**PTFIX 6/12X2,5-G GN**	②	3273490	8
19 terminal points	green	**PTFIX 6/18X2,5-G GN**	③	3273512	8
7 terminal points	brown	**PTFIX 6/6X2,5-G BN**	①	3273470	10
13 terminal points	brown	**PTFIX 6/12X2,5-G BN**	②	3273492	8
19 terminal points	brown	**PTFIX 6/18X2,5-G BN**	③	3273514	8
7 terminal points	white	**PTFIX 6/6X2,5-G WH**	①	3273472	10
13 terminal points	white	**PTFIX 6/12X2,5-G WH**	②	3273494	8
19 terminal points	white	**PTFIX 6/18X2,5-G WH**	③	3273516	8
7 terminal points	black	**PTFIX 6/6X2,5-G BK**	①	3273474	10
13 terminal points	black	**PTFIX 6/12X2,5-G BK**	②	3273496	8
19 terminal points	black	**PTFIX 6/18X2,5-G BK**	③	3273518	8
7 terminal points	violet	**PTFIX 6/6X2,5-G VT**	①	3273476	10
13 terminal points	violet	**PTFIX 6/12X2,5-G VT**	②	3273498	8
19 terminal points	violet	**PTFIX 6/18X2,5-G VT**	③	3273520	8
7 terminal points	pink	**PTFIX 6/6X2,5-G PK**	①	3273477	10
13 terminal points	pink	**PTFIX 6/12X2,5-G PK**	②	3273499	8
19 terminal points	pink	**PTFIX 6/18X2,5-G PK**	③	3273521	8
7 terminal points	orange	**PTFIX 6/6X2,5-G OG**	①	3273478	10
13 terminal points	orange	**PTFIX 6/12X2,5-G OG**	②	3273500	8
19 terminal points	orange	**PTFIX 6/18X2,5-G OG**	③	3273522	8
7 terminal points	black/yellow	**PTFIX 6/6X2,5-FE-G**	①	3273480	10
13 terminal points	black/yellow	**PTFIX 6/12X2,5-FE-G**	②	3273502	8
19 terminal points	black/yellow	**PTFIX 6/18X2,5-FE-G**	③	3273524	8



57 A, mounting on DIN rail NS 35 or NS 15, transverse to the DIN rail



57 A, mounting on DIN rail NS 35, along the DIN rail



57 A, mounting on NS 15 DIN rail, along the DIN rail

Technical data

Width	Length	Height NS 35/7,5	
28.6	**58.1**	**32.4**	
Width	Length	Height NS 15	
28.6	**58.1**	**30.4**	
Width	Length	Height	
28.6	**58.1**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**500**	**0.14 - 4**	**20-8**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	600	-
24 / -	50	50 / -	-

Ordering data

Type		Order No.	Pcs./Pkt.
PTFIX 6/6X2,5-NS35 GY	①	3273066	10
PTFIX 6/12X2,5-NS35 GY	②	3273088	8
PTFIX 6/18X2,5-NS35 GY	③	3273110	8
PTFIX 6/6X2,5-NS35 BU	①	3273068	10
PTFIX 6/12X2,5-NS35 BU	②	3273090	8
PTFIX 6/18X2,5-NS35 BU	③	3273112	8
PTFIX 6/6X2,5-NS35 RD	①	3273070	10
PTFIX 6/12X2,5-NS35 RD	②	3273092	8
PTFIX 6/18X2,5-NS35 RD	③	3273114	8
PTFIX 6/6X2,5-NS35 YE	①	3273072	10
PTFIX 6/12X2,5-NS35 YE	②	3273094	8
PTFIX 6/18X2,5-NS35 YE	③	3273116	8
PTFIX 6/6X2,5-NS35 GN	①	3273074	10
PTFIX 6/12X2,5-NS35 GN	②	3273096	8
PTFIX 6/18X2,5-NS35 GN	③	3273118	8
PTFIX 6/6X2,5-NS35 BN	①	3273076	10
PTFIX 6/12X2,5-NS35 BN	②	3273098	8
PTFIX 6/18X2,5-NS35 BN	③	3273120	8
PTFIX 6/6X2,5-NS35 WH	①	3273078	10
PTFIX 6/12X2,5-NS35 WH	②	3273100	8
PTFIX 6/18X2,5-NS35 WH	③	3273122	8
PTFIX 6/6X2,5-NS35 BK	①	3273080	10
PTFIX 6/12X2,5-NS35 BK	②	3273102	8
PTFIX 6/18X2,5-NS35 BK	③	3273124	8
PTFIX 6/6X2,5-NS35 VT	①	3273082	10
PTFIX 6/12X2,5-NS35 VT	②	3273104	8
PTFIX 6/18X2,5-NS35 VT	③	3273126	8
PTFIX 6/6X2,5-NS35 PK	①	3273083	10
PTFIX 6/12X2,5-NS35 PK	②	3273105	8
PTFIX 6/18X2,5-NS35 PK	③	3273127	8
PTFIX 6/6X2,5-NS35 OG	①	3273084	10
PTFIX 6/12X2,5-NS35 OG	②	3273106	8
PTFIX 6/18X2,5-NS35 OG	③	3273128	8
PTFIX 6/6X2,5-NS35-FE	①	3273086	10
PTFIX 6/12X2,5-NS35-FE	②	3273108	8
PTFIX 6/18X2,5-NS35-FE	③	3273130	8

Technical data

Width	Length	Height NS 35/7,5	
25.6	**45.7**	**30.9**	
Width	Length	Height NS 15	
25.6	**45.7**	**-**	
Width	Length	Height	
25.6	**45.7**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
57	**690**	**0.14 - 4**	**20-8**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
690	600	600	-
24 / -	50	50 / -	-

Ordering data

Type		Order No.	Pcs./Pkt.
PTFIX 6/6X2,5-NS35A GY	①	3273198	10
PTFIX 6/12X2,5-NS35A GY	②	3273220	8
PTFIX 6/18X2,5-NS35A GY	③	3273242	8
PTFIX 6/6X2,5-NS35A BU	①	3273200	10
PTFIX 6/12X2,5-NS35A BU	②	3273222	8
PTFIX 6/18X2,5-NS35A BU	③	3273244	8
PTFIX 6/6X2,5-NS35A RD	①	3273202	10
PTFIX 6/12X2,5-NS35A RD	②	3273224	8
PTFIX 6/18X2,5-NS35A RD	③	3273246	8
PTFIX 6/6X2,5-NS35A YE	①	3273204	10
PTFIX 6/12X2,5-NS35A YE	②	3273226	8
PTFIX 6/18X2,5-NS35A YE	③	3273248	8
PTFIX 6/6X2,5-NS35A GN	①	3273206	10
PTFIX 6/12X2,5-NS35A GN	②	3273228	8
PTFIX 6/18X2,5-NS35A GN	③	3273250	8
PTFIX 6/6X2,5-NS35A BN	①	3273208	10
PTFIX 6/12X2,5-NS35A BN	②	3273230	8
PTFIX 6/18X2,5-NS35A BN	③	3273252	8
PTFIX 6/6X2,5-NS35A WH	①	3273210	10
PTFIX 6/12X2,5-NS35A WH	②	3273232	8
PTFIX 6/18X2,5-NS35A WH	③	3273254	8
PTFIX 6/6X2,5-NS35A BK	①	3273212	10
PTFIX 6/12X2,5-NS35A BK	②	3273234	8
PTFIX 6/18X2,5-NS35A BK	③	3273256	8
PTFIX 6/6X2,5-NS35A VT	①	3273214	10
PTFIX 6/12X2,5-NS35A VT	②	3273236	8
PTFIX 6/18X2,5-NS35A VT	③	3273258	8
PTFIX 6/6X2,5-NS35A PK	①	3273215	10
PTFIX 6/12X2,5-NS35A PK	②	3273237	8
PTFIX 6/18X2,5-NS35A PK	③	3273259	8
PTFIX 6/6X2,5-NS35A OG	①	3273216	10
PTFIX 6/12X2,5-NS35A OG	②	3273238	8
PTFIX 6/18X2,5-NS35A OG	③	3273260	8
PTFIX 6/6X2,5-NS35A-FE	①	3273218	10
PTFIX 6/12X2,5-NS35A-FE	②	3273240	8
PTFIX 6/18X2,5-NS35A-FE	③	3273262	8

Technical data

Width	Length	Height NS 35/7,5	
25.6	**28.6**	**-**	
Width	Length	Height NS 15	
25.6	**28.6**	**31.4**	
Width	Length	Height	
25.6	**28.6**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
57	**690**	**0.14 - 4**	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
690	-	600	-
24 / -	-	50 / -	-

Ordering data

Type		Order No.	Pcs./Pkt.
PTFIX 6/6X2,5-NS15A GY	①	3274166	10
PTFIX 6/12X2,5-NS15A GY	②	3274188	8
PTFIX 6/18X2,5-NS15A GY	③	3274210	8
PTFIX 6/6X2,5-NS15A BU	①	3274168	10
PTFIX 6/12X2,5-NS15A BU	②	3274190	8
PTFIX 6/18X2,5-NS15A BU	③	3274212	8
PTFIX 6/6X2,5-NS15A RD	①	3274170	10
PTFIX 6/12X2,5-NS15A RD	②	3274192	8
PTFIX 6/18X2,5-NS15A RD	③	3274214	8
PTFIX 6/6X2,5-NS15A YE	①	3274172	10
PTFIX 6/12X2,5-NS15A YE	②	3274194	8
PTFIX 6/18X2,5-NS15A YE	③	3274216	8
PTFIX 6/6X2,5-NS15A GN	①	3274174	10
PTFIX 6/12X2,5-NS15A GN	②	3274196	8
PTFIX 6/18X2,5-NS15A GN	③	3274218	8
PTFIX 6/6X2,5-NS15A BN	①	3274176	10
PTFIX 6/12X2,5-NS15A BN	②	3274198	8
PTFIX 6/18X2,5-NS15A BN	③	3274220	8
PTFIX 6/6X2,5-NS15A WH	①	3274178	10
PTFIX 6/12X2,5-NS15A WH	②	3274200	8
PTFIX 6/18X2,5-NS15A WH	③	3274222	8
PTFIX 6/6X2,5-NS15A BK	①	3274180	10
PTFIX 6/12X2,5-NS15A BK	②	3274202	8
PTFIX 6/18X2,5-NS15A BK	③	3274224	8
PTFIX 6/6X2,5-NS15A VT	①	3274182	10
PTFIX 6/12X2,5-NS15A VT	②	3274204	8
PTFIX 6/18X2,5-NS15A VT	③	3274226	8
PTFIX 6/6X2,5-NS15A PK	①	3274183	10
PTFIX 6/12X2,5-NS15A PK	②	3274205	8
PTFIX 6/18X2,5-NS15A PK	③	3274227	8
PTFIX 6/6X2,5-NS15A OG	①	3274184	10
PTFIX 6/12X2,5-NS15A OG	②	3274206	8
PTFIX 6/18X2,5-NS15A OG	③	3274228	8
PTFIX 6/6X2,5-NS15A-FE	①	3274186	10
PTFIX 6/12X2,5-NS15A-FE	②	3274208	8
PTFIX 6/18X2,5-NS15A-FE	③	3274230	8

4 mm² PTFIX distribution blocks

General technical data

Rated data		IEC 60947-7-1 / IEC 60998-2-2			
Rated cross section	[mm²]	4			
Cross section range	AWG	24 - 10			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.2 - 4	0.2 - 4
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
Connection cross sections directly plug-in	[mm²]	0.5 - 6	-	0.75 - 4	0.5 - 4
General data					
Stripping length	[mm]	10 - 12			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

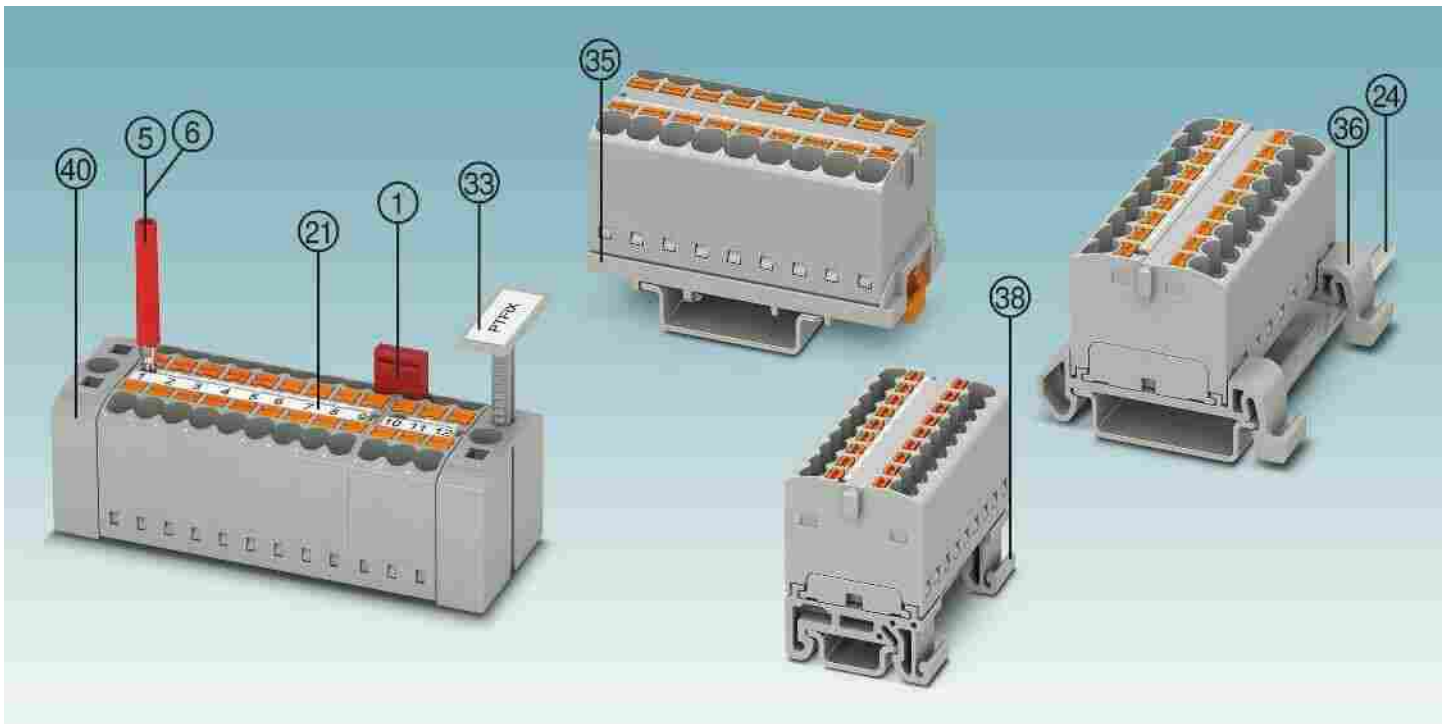
Notes:

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-6**	3030336	50			
Test plug metal part		silver	**MPS-MT SN**	3212251	10			
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10			
Terminal strip markers		gray	**KLM 2**	0807575	100			
Terminal strip markers		gray	**KLM 3**	0811969	100			
NS 35 or NS 15 DIN rail adapters, transverse		gray	**PTFIX-NS35**	3274054	20			
NS 35 DIN rail adapters, lateral		gray	**PTFIX-NS35A**	3274056	20			
NS 35 DIN rail adapters with end bracket function, lateral		gray	**PTFIX-NS35A-FIX**	3274057	20			
NS 15 DIN rail adapters, lateral		gray	**PTFIX-NS15A**	3274058	20			
NS 15 DIN rail adapters with end bracket function, lateral		gray	**PTFIX-NS15A-FIX**	3274059	20			
Mounting flange		gray	**PTFIX-F**	3274060	20			
Screwdriver			**SZF 1-0,6X3,5**	1204517	10			

Center groove labeling	**TML (... X3.8)R, see also Catalog 3**
DIN rail and end bracket	**See Catalog 3**
For full accessories, visit phoenixcontact.net/products	**Note: Additional or deviating accessories are listed alongside the respective product.**

PTFIX ... distribution blocks

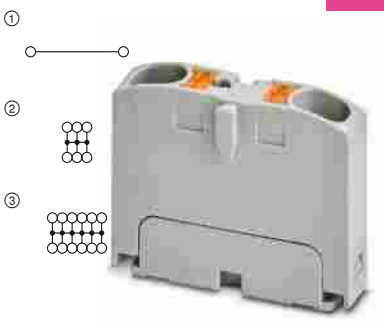
The basic blocks can be mounted directly with mounting flanges.

Notes:

1) For additional accessories and technical data, see page 446.

With distribution blocks, the maximum permissible total current can vary with different numbers of terminal points.

new



41 A, basic block, for self-assembly

EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		6.2	28.6	21.7
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		41	450	0.2 - 6 / -
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	450	-	- / -
Nominal current / cross section	[A] / [mm²]	32	- / -	- / - / -

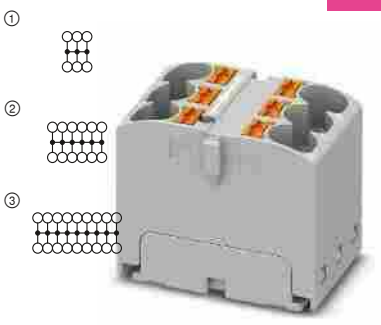
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Basic block, 2 terminal points	gray	**PTFIX 2X4 GY**	1	1028360	50
6 terminal points	gray	**PTFIX 6X4 GY**	2	3273790	10
12 terminal points	gray	**PTFIX 12X4 GY**	3	3273812	8
18 terminal points	gray	**PTFIX 18X4 GY**		3273834	8
2 terminal points	blue	**PTFIX 2X4 BU**	1	1028361	50
6 terminal points	blue	**PTFIX 6X4 BU**	2	3273792	10
12 terminal points	blue	**PTFIX 12X4 BU**	3	3273814	8
18 terminal points	blue	**PTFIX 18X4 BU**		3273836	8
2 terminal points	red	**PTFIX 2X4 RD**	1	1028362	50
6 terminal points	red	**PTFIX 6X4 RD**	2	3273794	10
12 terminal points	red	**PTFIX 12X4 RD**	3	3273816	8
18 terminal points	red	**PTFIX 18X4 RD**		3273838	8
2 terminal points	yellow	**PTFIX 2X4 YE**	1	1028363	50
6 terminal points	yellow	**PTFIX 6X4 YE**	2	3273796	10
12 terminal points	yellow	**PTFIX 12X4 YE**	3	3273818	8
18 terminal points	yellow	**PTFIX 18X4 YE**		3273840	8
2 terminal points	green	**PTFIX 2X4 GN**	1	1028364	50
6 terminal points	green	**PTFIX 6X4 GN**	2	3273798	10
12 terminal points	green	**PTFIX 12X4 GN**	3	3273820	8
18 terminal points	green	**PTFIX 18X4 GN**		3273842	8
2 terminal points	brown	**PTFIX 2X4 BN**	1	1028365	50
6 terminal points	brown	**PTFIX 6X4 BN**	2	3273800	10
12 terminal points	brown	**PTFIX 12X4 BN**	3	3273822	8
18 terminal points	brown	**PTFIX 18X4 BN**		3273844	8
2 terminal points	white	**PTFIX 2X4 WH**	1	1028366	50
6 terminal points	white	**PTFIX 6X4 WH**	2	3273802	10
12 terminal points	white	**PTFIX 12X4 WH**	3	3273824	8
18 terminal points	white	**PTFIX 18X4 WH**		3273846	8
2 terminal points	black	**PTFIX 2X4 BK**	1	1028367	50
6 terminal points	black	**PTFIX 6X4 BK**	2	3273804	10
12 terminal points	black	**PTFIX 12X4 BK**	3	3273826	8
18 terminal points	black	**PTFIX 18X4 BK**		3273848	8
2 terminal points	violet	**PTFIX 2X4 VT**	1	1028368	50
6 terminal points	violet	**PTFIX 6X4 VT**	2	3273806	10
12 terminal points	violet	**PTFIX 12X4 VT**	3	3273828	8
18 terminal points	violet	**PTFIX 18X4 VT**		3273850	8
2 terminal points	pink	**PTFIX 2X4 PK**	1	1028369	50
6 terminal points	pink	**PTFIX 6X4 PK**	2	3273807	10
12 terminal points	pink	**PTFIX 12X4 PK**	3	3273829	8
18 terminal points	pink	**PTFIX 18X4 PK**		3273851	8
2 terminal points	orange	**PTFIX 2X4 OG**	1	1028370	50
6 terminal points	orange	**PTFIX 6X4 OG**	2	3273808	10
12 terminal points	orange	**PTFIX 12X4 OG**	3	3273830	8
18 terminal points	orange	**PTFIX 18X4 OG**		3273852	8
2 terminal points	black/yellow	**PTFIX 2X4-FE**	1	1028371	50
6 terminal points	black/yellow	**PTFIX 6X4-FE**	2	3273810	10
12 terminal points	black/yellow	**PTFIX 12X4-FE**	3	3273832	8
18 terminal points	black/yellow	**PTFIX 18X4-FE**		3273854	8

PTFIX ... distribution blocks

new

Notes:
For additional accessories and technical data, see page 446.
With distribution blocks, the maximum permissible total current can vary with different numbers of terminal points.



63 A, adhesive mounting

EAC

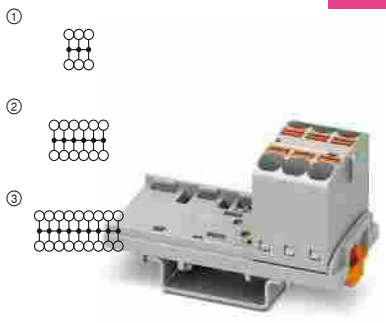
Technical data

Dimensions			
Width	Length	Height NS 35/7,5	
18.5	**28.6**	**-**	
Dimensions			
Width	Length	Height NS 15	
18.5	**28.6**	**-**	
Dimensions			
Width	Length	Height	
18.5	**28.6**	**22.7**	
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
63	**450**	**0.2 - 6**	**24-10**
Rated data			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	450	600	600	-
Nominal current / cross section [A] / [mm²]	32 / -	32	32 / -	-

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Basic block, 6 terminal points	gray	**PTFIX 6X4-G GY**	①	3273922	10
12 terminal points	gray	**PTFIX 12X4-G GY**	②	3273944	8
18 terminal points	gray	**PTFIX 18X4-G GY**	③	3273966	8
6 terminal points	blue	**PTFIX 6X4-G BU**	①	3273924	10
12 terminal points	blue	**PTFIX 12X4-G BU**	②	3273946	8
18 terminal points	blue	**PTFIX 18X4-G BU**	③	3273968	8
6 terminal points	red	**PTFIX 6X4-G RD**	①	3273926	10
12 terminal points	red	**PTFIX 12X4-G RD**	②	3273948	8
18 terminal points	red	**PTFIX 18X4-G RD**	③	3273970	8
6 terminal points	yellow	**PTFIX 6X4-G YE**	①	3273928	10
12 terminal points	yellow	**PTFIX 12X4-G YE**	②	3273950	8
18 terminal points	yellow	**PTFIX 18X4-G YE**	③	3273972	8
6 terminal points	green	**PTFIX 6X4-G GN**	①	3273930	10
12 terminal points	green	**PTFIX 12X4-G GN**	②	3273952	8
18 terminal points	green	**PTFIX 18X4-G GN**	③	3273974	8
6 terminal points	brown	**PTFIX 6X4-G BN**	①	3273932	10
12 terminal points	brown	**PTFIX 12X4-G BN**	②	3273954	8
18 terminal points	brown	**PTFIX 18X4-G BN**	③	3273976	8
6 terminal points	white	**PTFIX 6X4-G WH**	①	3273934	10
12 terminal points	white	**PTFIX 12X4-G WH**	②	3273956	8
18 terminal points	white	**PTFIX 18X4-G WH**	③	3273978	8
6 terminal points	black	**PTFIX 6X4-G BK**	①	3273936	10
12 terminal points	black	**PTFIX 12X4-G BK**	②	3273958	8
18 terminal points	black	**PTFIX 18X4-G BK**	③	3273980	8
6 terminal points	violet	**PTFIX 6X4-G VT**	①	3273938	10
12 terminal points	violet	**PTFIX 12X4-G VT**	②	3273960	8
18 terminal points	violet	**PTFIX 18X4-G VT**	③	3273982	8
6 terminal points	pink	**PTFIX 6X4-G PK**	①	3273939	10
12 terminal points	pink	**PTFIX 12X4-G PK**	②	3273961	8
18 terminal points	pink	**PTFIX 18X4-G PK**	③	3273983	8
6 terminal points	orange	**PTFIX 6X4-G OG**	①	3273940	10
12 terminal points	orange	**PTFIX 12X4-G OG**	②	3273962	8
18 terminal points	orange	**PTFIX 18X4-G OG**	③	3273984	8
6 terminal points	black/yellow	**PTFIX 6X4-FE-G**	①	3273942	10
12 terminal points	black/yellow	**PTFIX 12X4-FE-G**	②	3273964	8
18 terminal points	black/yellow	**PTFIX 18X4-FE-G**	③	3273986	8

new



63 A, mounting on DIN rail NS 35 or NS 15, transverse to the DIN rail

EAC

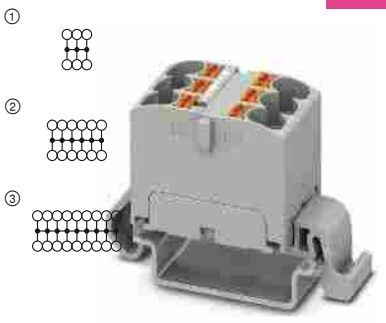
Technical data

Width	Length	Height NS 35/7,5	
28.6	**58.1**	**32.4**	
Width	Length	Height NS 15	
28.6	**58.1**	**30.4**	
Width	Length	Height	
28.6	**58.1**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
63	**800**	**0.2 - 6**	**24-10**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
32 / -	32	32 / -	-

Ordering data

Type		Order No.	Pcs./Pkt.
PTFIX 6X4-NS35 GY	①	3273526	8
PTFIX 12X4-NS35 GY	②	3273548	8
PTFIX 18X4-NS35 GY	③	3273570	8
PTFIX 6X4-NS35 BU	①	3273528	8
PTFIX 12X4-NS35 BU	②	3273550	8
PTFIX 18X4-NS35 BU	③	3273572	8
PTFIX 6X4-NS35 RD	①	3273530	8
PTFIX 12X4-NS35 RD	②	3273552	8
PTFIX 18X4-NS35 RD	③	3273574	8
PTFIX 6X4-NS35 YE	①	3273532	8
PTFIX 12X4-NS35 YE	②	3273554	8
PTFIX 18X4-NS35 YE	③	3273576	8
PTFIX 6X4-NS35 GN	①	3273534	8
PTFIX 12X4-NS35 GN	②	3273556	8
PTFIX 18X4-NS35 GN	③	3273578	8
PTFIX 6X4-NS35 BN	①	3273536	8
PTFIX 12X4-NS35 BN	②	3273558	8
PTFIX 18X4-NS35 BN	③	3273580	8
PTFIX 6X4-NS35 WH	①	3273538	8
PTFIX 12X4-NS35 WH	②	3273560	8
PTFIX 18X4-NS35 WH	③	3273582	8
PTFIX 6X4-NS35 BK	①	3273540	8
PTFIX 12X4-NS35 BK	②	3273562	8
PTFIX 18X4-NS35 BK	③	3273584	8
PTFIX 6X4-NS35 VT	①	3273542	8
PTFIX 12X4-NS35 VT	②	3273564	8
PTFIX 18X4-NS35 VT	③	3273586	8
PTFIX 6X4-NS35 PK	①	3273543	8
PTFIX 12X4-NS35 PK	②	3273565	8
PTFIX 18X4-NS35 PK	③	3273587	8
PTFIX 6X4-NS35 OG	①	3273544	8
PTFIX 12X4-NS35 OG	②	3273566	8
PTFIX 18X4-NS35 OG	③	3273588	8
PTFIX 6X4-NS35-FE	①	3273546	8
PTFIX 12X4-NS35-FE	②	3273568	8
PTFIX 18X4-NS35-FE	③	3273590	8

new



63 A, mounting on DIN rail NS 35, along the DIN rail

EAC

Technical data

Width	Length	Height NS 35/7,5	
18.5	**45.7**	**30.9**	
Width	Length	Height NS 15	
18.5	**45.7**	**-**	
Width	Length	Height	
18.5	**45.7**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
63	**800**	**0.2 - 6**	**24-10**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
32 / -	32	32 / -	-

Ordering data

Type		Order No.	Pcs./Pkt.
PTFIX 6X4-NS35A GY	①	3273658	10
PTFIX 12X4-NS35A GY	②	3273680	8
PTFIX 18X4-NS35A GY	③	3273702	8
PTFIX 6X4-NS35A BU	①	3273660	10
PTFIX 12X4-NS35A BU	②	3273682	8
PTFIX 18X4-NS35A BU	③	3273704	8
PTFIX 6X4-NS35A RD	①	3273662	10
PTFIX 12X4-NS35A RD	②	3273684	8
PTFIX 18X4-NS35A RD	③	3273706	8
PTFIX 6X4-NS35A YE	①	3273664	10
PTFIX 12X4-NS35A YE	②	3273686	8
PTFIX 18X4-NS35A YE	③	3273708	8
PTFIX 6X4-NS35A GN	①	3273666	10
PTFIX 12X4-NS35A GN	②	3273688	8
PTFIX 18X4-NS35A GN	③	3273710	8
PTFIX 6X4-NS35A BN	①	3273668	10
PTFIX 12X4-NS35A BN	②	3273690	8
PTFIX 18X4-NS35A BN	③	3273712	8
PTFIX 6X4-NS35A WH	①	3273670	10
PTFIX 12X4-NS35A WH	②	3273692	8
PTFIX 18X4-NS35A WH	③	3273714	8
PTFIX 6X4-NS35A BK	①	3273672	10
PTFIX 12X4-NS35A BK	②	3273694	8
PTFIX 18X4-NS35A BK	③	3273716	8
PTFIX 6X4-NS35A VT	①	3273674	10
PTFIX 12X4-NS35A VT	②	3273696	8
PTFIX 18X4-NS35A VT	③	3273718	8
PTFIX 6X4-NS35A PK	①	3273675	10
PTFIX 12X4-NS35A PK	②	3273697	8
PTFIX 18X4-NS35A PK	③	3273719	8
PTFIX 6X4-NS35A OG	①	3273676	10
PTFIX 12X4-NS35A OG	②	3273698	8
PTFIX 18X4-NS35A OG	③	3273720	8
PTFIX 6X4-NS35A-FE	①	3273678	10
PTFIX 12X4-NS35A-FE	②	3273700	8
PTFIX 18X4-NS35A-FE	③	3273722	8

4 mm² distribution blocks with PTFIX feed-in

General technical data

Rated data		IEC 60947-7-1 / IEC 60998-2-2			
Rated cross section	[mm²]	4			
Cross section range	AWG	24 - 10			
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.2 - 4	0.2 - 4
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1
Connection cross sections directly plug-in	[mm²]	0.5 - 6	-	0.75 - 4	0.5 - 4
Rated data, feed		IEC 60947-7-1 / IEC 60998-2-2			
Nominal current / cross section range	[A] / [AWG]	- , - / 20 - 6			
Supply connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 10	0.5 - 10	0.5 - 10
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 4
Connection cross sections directly plug-in	[mm²]	0.5 - 16	-	1 - 10	1 - 10
General data					
Stripping length	[mm]	10 - 12			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Note: Additional or deviating data is listed alongside the respective product.

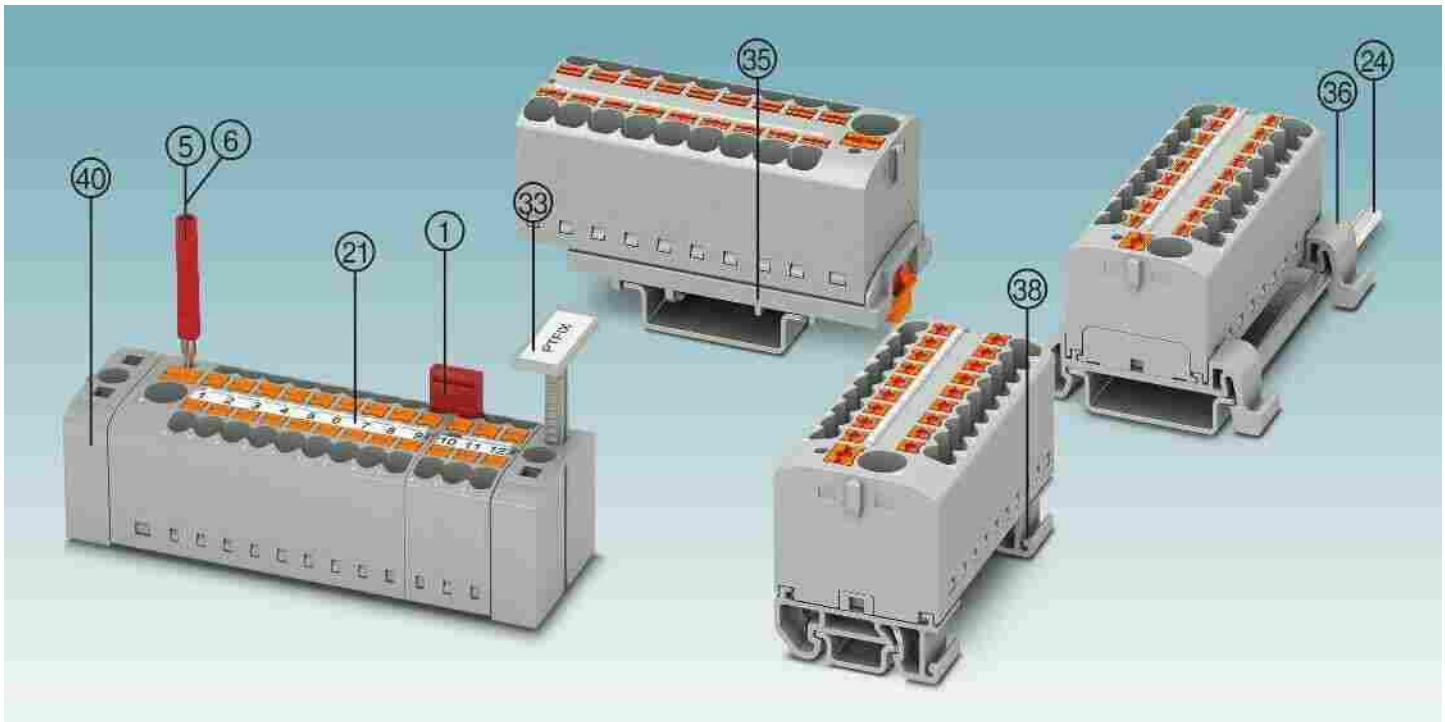
Notes:

The specified technical data and approvals refer to the first product in each column. For information on the products below, please refer to phoenixcontact.net/products

For full details of UL and CSA use groups, file nos., and Internet links, please visit phoenixcontact.net/products

[1]) The bridge current is listed alongside the respective product. For additional colors, see page 402.

System accessories



Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.
① **Bridge**[1])	2	red	**FBS 2-6**	3030336	50
Test plug metal part		silver	**MPS-MT SN**	3212251	10
Insulating sleeve, for MPS metal part		red	**MPS-IH RD**	0201676	10
Terminal strip markers		gray	**KLM 2**	0807575	100
Terminal strip markers		gray	**KLM 3**	0811969	100
NS 35 or NS 15 DIN rail adapters, transverse		gray	**PTFIX-NS35**	3274054	20
NS 35 DIN rail adapters, lateral		gray	**PTFIX-NS35A**	3274056	20
NS 35 DIN rail adapters with end bracket function, lateral		gray	**PTFIX-NS35A-FIX**	3274057	20
NS 15 DIN rail adapters, lateral		gray	**PTFIX-NS15A**	3274058	20
NS 15 DIN rail adapters with end bracket function, lateral		gray	**PTFIX-NS15A-FIX**	3274059	20
Mounting flange		gray	**PTFIX-F**	3274060	20
Screwdriver			**SZF 1-0,6X3,5**	1204517	10

Type	Order No.	Pcs./Pkt.

Center groove labeling

DIN rail and end bracket

For full accessories, visit phoenixcontact.net/products

TML (... X3.8)R, see also Catalog 3

See Catalog 3

Note: Additional or deviating accessories are listed alongside the respective product.

PTFIX ... distribution blocks

The basic blocks can be individually self-assembled with different adapters or flanges in accordance with the desired mounting type.

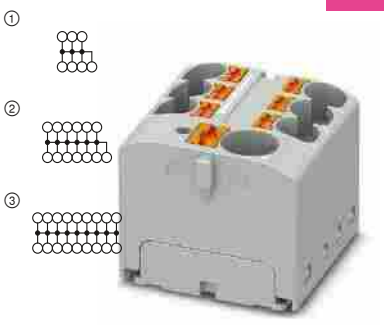
Notes:

[1]) For additional accessories and technical data, see page 450.

Observe DIN IEC 60364-4-43 (DIN VDE 0100-430:2010-10) section 433.2 ff.

With distribution blocks, the maximum permissible total current can vary with different numbers of terminal points.

new



63 A, basic block, for self-assembly

EAC

Technical data[1])

Dimensions				
	[mm]	Width	Length	Height
		27.9	28.6	21.7
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		63	450	0.2 - 6 / 20-8
Rated data		IEC	UL / CUL	CSA / Ex
Rated voltage	[V]	450	600	600 / -
Nominal current / cross section	[A] / [mm²]	32	57 / -	57 / - / - / -

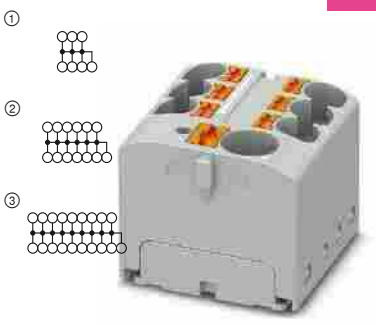
Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Basic block, with supply, 7 terminal points	gray	**PTFIX 10/6X4 GY**	①	3273856	8
13 terminal points	gray	**PTFIX 10/12X4 GY**	②	3273878	8
19 terminal points	gray	**PTFIX 10/18X4 GY**	③	3273900	8
7 terminal points	blue	**PTFIX 10/6X4 BU**	①	3273858	8
13 terminal points	blue	**PTFIX 10/12X4 BU**	②	3273880	8
19 terminal points	blue	**PTFIX 10/18X4 BU**	③	3273902	8
7 terminal points	red	**PTFIX 10/6X4 RD**	①	3273860	8
13 terminal points	red	**PTFIX 10/12X4 RD**	②	3273882	8
19 terminal points	red	**PTFIX 10/18X4 RD**	③	3273904	8
7 terminal points	yellow	**PTFIX 10/6X4 YE**	①	3273862	8
13 terminal points	yellow	**PTFIX 10/12X4 YE**	②	3273884	8
19 terminal points	yellow	**PTFIX 10/18X4 YE**	③	3273906	8
7 terminal points	green	**PTFIX 10/6X4 GN**	①	3273864	8
13 terminal points	green	**PTFIX 10/12X4 GN**	②	3273886	8
19 terminal points	green	**PTFIX 10/18X4 GN**	③	3273908	8
7 terminal points	brown	**PTFIX 10/6X4 BN**	①	3273866	8
13 terminal points	brown	**PTFIX 10/12X4 BN**	②	3273888	8
19 terminal points	brown	**PTFIX 10/18X4 BN**	③	3273910	8
7 terminal points	white	**PTFIX 10/6X4 WH**	①	3273868	8
13 terminal points	white	**PTFIX 10/12X4 WH**	②	3273890	8
19 terminal points	white	**PTFIX 10/18X4 WH**	③	3273912	8
7 terminal points	black	**PTFIX 10/6X4 BK**	①	3273870	8
13 terminal points	black	**PTFIX 10/12X4 BK**	②	3273892	8
19 terminal points	black	**PTFIX 10/18X4 BK**	③	3273914	8
7 terminal points	violet	**PTFIX 10/6X4 VT**	①	3273872	8
13 terminal points	violet	**PTFIX 10/12X4 VT**	②	3273894	8
19 terminal points	violet	**PTFIX 10/18X4 VT**	③	3273916	8
7 terminal points	pink	**PTFIX 10/6X4 PK**	①	3273873	8
13 terminal points	pink	**PTFIX 10/12X4 PK**	②	3273895	8
19 terminal points	pink	**PTFIX 10/18X4 PK**	③	3273917	8
7 terminal points	orange	**PTFIX 10/6X4 OG**	①	3273874	8
13 terminal points	orange	**PTFIX 10/12X4 OG**	②	3273896	8
19 terminal points	orange	**PTFIX 10/18X4 OG**	③	3273918	8
7 terminal points	black/yellow	**PTFIX 10/6X4-FE**	①	3273876	8
13 terminal points	black/yellow	**PTFIX 10/12X4-FE**	②	3273898	8
19 terminal points	black/yellow	**PTFIX 10/18X4-FE**	③	3273920	8

Distribution blocks

new

Notes:
For additional accessories and technical data, see page 450.
Observe DIN IEC 60364-4-43 (DIN VDE 0100-430:2010-10) section 433.2 ff.
With distribution blocks, the maximum permissible total current can vary with different numbers of terminal points.



63 A, adhesive mounting

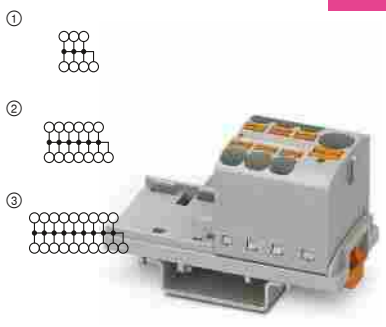
Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		27.9	**28.6**	**-**
Dimensions				
	[mm]	Width	Length	Height NS 15
		27.9	**28.6**	**-**
Dimensions				
	[mm]	Width	Length	Height
		27.9	**28.6**	**22.7**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		63	**450**	**0.2 - 6** / **20-8**
Rated data		IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	450	600	600 / -
Nominal current / cross section	[A] / [mm²]	32 / -	57	57 / - / -

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Basic block, with supply, 7 terminal points	gray	**PTFIX 10/6X4-G GY**	①	3273988	8
13 terminal points	gray	**PTFIX 10/12X4-G GY**	②	3274010	8
19 terminal points	gray	**PTFIX 10/18X4-G GY**	③	3274032	8
7 terminal points	blue	**PTFIX 10/6X4-G BU**	①	3273990	8
13 terminal points	blue	**PTFIX 10/12X4-G BU**	②	3274012	8
19 terminal points	blue	**PTFIX 10/18X4-G BU**	③	3274034	8
7 terminal points	red	**PTFIX 10/6X4-G RD**	①	3273992	8
13 terminal points	red	**PTFIX 10/12X4-G RD**	②	3274014	8
19 terminal points	red	**PTFIX 10/18X4-G RD**	③	3274036	8
7 terminal points	yellow	**PTFIX 10/6X4-G YE**	①	3273994	8
13 terminal points	yellow	**PTFIX 10/12X4-G YE**	②	3274016	8
19 terminal points	yellow	**PTFIX 10/18X4-G YE**	③	3274038	8
7 terminal points	green	**PTFIX 10/6X4-G GN**	①	3273996	8
13 terminal points	green	**PTFIX 10/12X4-G GN**	②	3274018	8
19 terminal points	green	**PTFIX 10/18X4-G GN**	③	3274040	8
7 terminal points	brown	**PTFIX 10/6X4-G BN**	①	3273998	8
13 terminal points	brown	**PTFIX 10/12X4-G BN**	②	3274020	8
19 terminal points	brown	**PTFIX 10/18X4-G BN**	③	3274042	8
7 terminal points	white	**PTFIX 10/6X4-G WH**	①	3274000	8
13 terminal points	white	**PTFIX 10/12X4-G WH**	②	3274022	8
19 terminal points	white	**PTFIX 10/18X4-G WH**	③	3274044	8
7 terminal points	black	**PTFIX 10/6X4-G BK**	①	3274002	8
13 terminal points	black	**PTFIX 10/12X4-G BK**	②	3274024	8
19 terminal points	black	**PTFIX 10/18X4-G BK**	③	3274046	8
7 terminal points	violet	**PTFIX 10/6X4-G VT**	①	3274004	8
13 terminal points	violet	**PTFIX 10/12X4-G VT**	②	3274026	8
19 terminal points	violet	**PTFIX 10/18X4-G VT**	③	3274048	8
7 terminal points	pink	**PTFIX 10/6X4-G PK**	①	3274005	8
13 terminal points	pink	**PTFIX 10/12X4-G PK**	②	3274027	8
19 terminal points	pink	**PTFIX 10/18X4-G PK**	③	3274049	8
7 terminal points	orange	**PTFIX 10/6X4-G OG**	①	3274006	8
13 terminal points	orange	**PTFIX 10/12X4-G OG**	②	3274028	8
19 terminal points	orange	**PTFIX 10/18X4-G OG**	③	3274050	8
7 terminal points	black/yellow	**PTFIX 10/6X4-FE-G**	①	3274008	8
13 terminal points	black/yellow	**PTFIX 10/12X4-FE-G**	②	3274030	8
19 terminal points	black/yellow	**PTFIX 10/18X4-FE-G**	③	3274052	8

new



63 A, mounting on DIN rail NS 35 or NS 15, transverse to the DIN rail

EAC

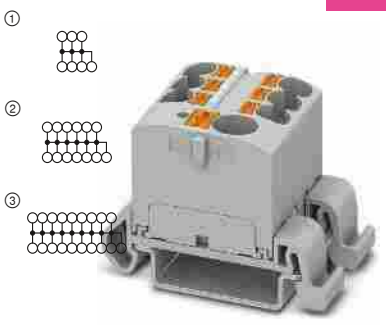
Technical data

Width	Length	Height NS 35/7,5	
28.6	**58.1**	**32.4**	
Width	Length	Height NS 15	
28.6	**58.1**	**30.4**	
Width	Length	Height	
28.6	**58.1**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
63	**800**	**0.2 - 6**	**20-8**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
32 / -	57	57 / -	-

Ordering data

Type		Order No.	Pcs./Pkt.
PTFIX 10/6X4-NS35 GY	①	3273592	8
PTFIX 10/12X4-NS35 GY	②	3273614	8
PTFIX 10/18X4-NS35 GY	③	3273636	8
PTFIX 10/6X4-NS35 BU	①	3273594	8
PTFIX 10/12X4-NS35 BU	②	3273616	8
PTFIX 10/18X4-NS35 BU	③	3273638	8
PTFIX 10/6X4-NS35 RD	①	3273596	8
PTFIX 10/12X4-NS35 RD	②	3273618	8
PTFIX 10/18X4-NS35 RD	③	3273640	8
PTFIX 10/6X4-NS35 YE	①	3273598	8
PTFIX 10/12X4-NS35 YE	②	3273620	8
PTFIX 10/18X4-NS35 YE	③	3273642	8
PTFIX 10/6X4-NS35 GN	①	3273600	8
PTFIX 10/12X4-NS35 GN	②	3273622	8
PTFIX 10/18X4-NS35 GN	③	3273644	8
PTFIX 10/6X4-NS35 BN	①	3273602	8
PTFIX 10/12X4-NS35 BN	②	3273624	8
PTFIX 10/18X4-NS35 BN	③	3273646	8
PTFIX 10/6X4-NS35 WH	①	3273604	8
PTFIX 10/12X4-NS35 WH	②	3273626	8
PTFIX 10/18X4-NS35 WH	③	3273648	8
PTFIX 10/6X4-NS35 BK	①	3273606	8
PTFIX 10/12X4-NS35 BK	②	3273628	8
PTFIX 10/18X4-NS35 BK	③	3273650	8
PTFIX 10/6X4-NS35 VT	①	3273608	8
PTFIX 10/12X4-NS35 VT	②	3273630	8
PTFIX 10/18X4-NS35 VT	③	3273652	8
PTFIX 10/6X4-NS35 PK	①	3273609	8
PTFIX 10/12X4-NS35 PK	②	3273631	8
PTFIX 10/18X4-NS35 PK	③	3273653	8
PTFIX 10/6X4-NS35 OG	①	3273610	8
PTFIX 10/12X4-NS35 OG	②	3273632	8
PTFIX 10/18X4-NS35 OG	③	3273654	8
PTFIX 10/6X4-NS35-FE	①	3273612	8
PTFIX 10/12X4-NS35-FE	②	3273634	8
PTFIX 10/18X4-NS35-FE	③	3273656	8

new



63 A, mounting on DIN rail NS 35, along the DIN rail

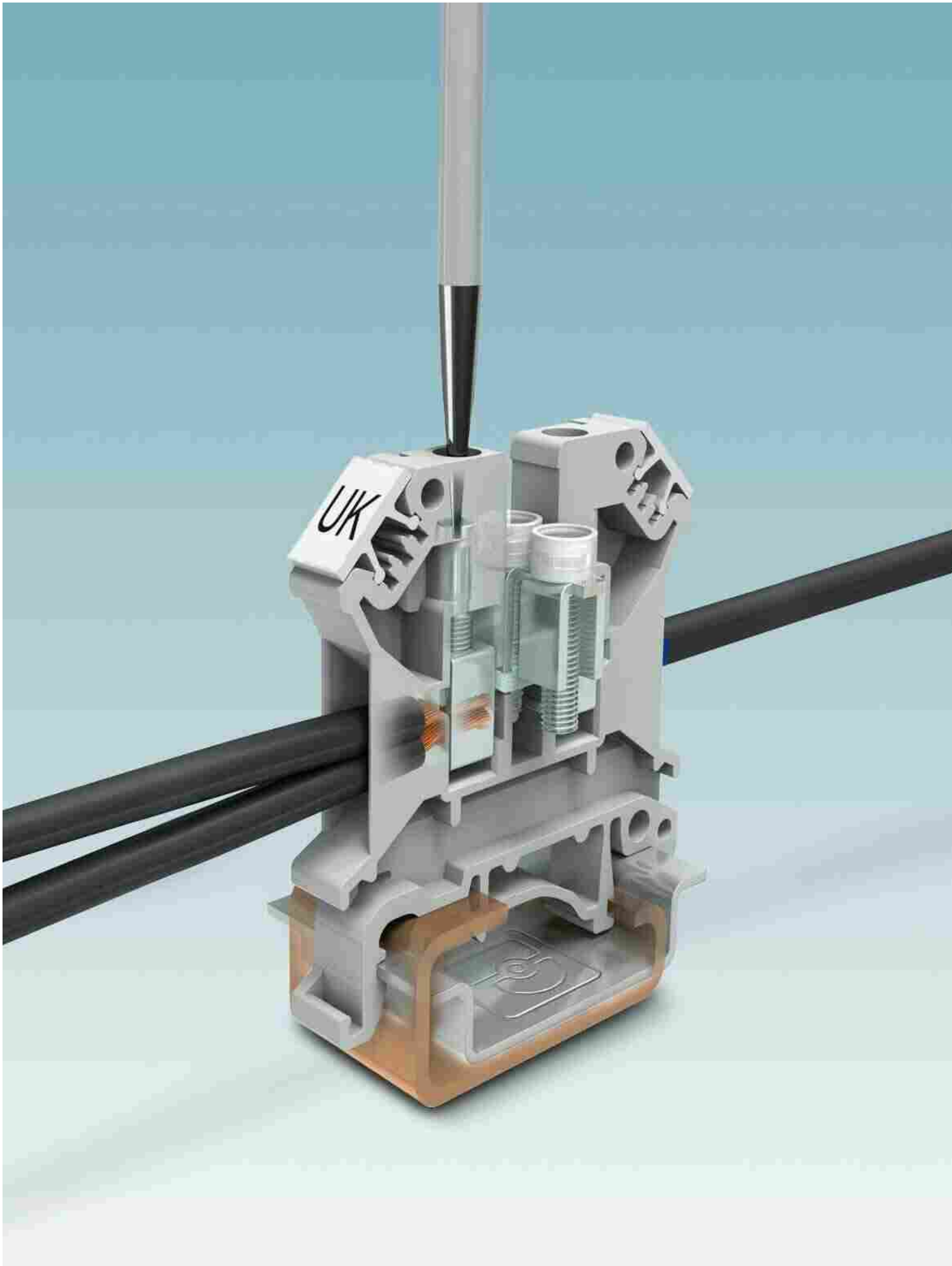
EAC

Technical data

Width	Length	Height NS 35/7,5	
27.9	**45.7**	**30.9**	
Width	Length	Height NS 15	
27.9	**45.7**	**-**	
Width	Length	Height	
27.9	**45.7**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
63	**800**	**0.2 - 6**	**20-8**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
32 / -	57	57 / -	-

Ordering data

Type		Order No.	Pcs./Pkt.
PTFIX 10/6X4-NS35A GY	①	3273724	8
PTFIX 10/12X4-NS35A GY	②	3273746	8
PTFIX 10/18X4-NS35A GY	③	3273768	8
PTFIX 10/6X4-NS35A BU	①	3273726	8
PTFIX 10/12X4-NS35A BU	②	3273748	8
PTFIX 10/18X4-NS35A BU	③	3273770	8
PTFIX 10/6X4-NS35A RD	①	3273728	8
PTFIX 10/12X4-NS35A RD	②	3273750	8
PTFIX 10/18X4-NS35A RD	③	3273772	8
PTFIX 10/6X4-NS35A YE	①	3273730	8
PTFIX 10/12X4-NS35A YE	②	3273752	8
PTFIX 10/18X4-NS35A YE	③	3273774	8
PTFIX 10/6X4-NS35A GN	①	3273732	8
PTFIX 10/12X4-NS35A GN	②	3273754	8
PTFIX 10/18X4-NS35A GN	③	3273776	8
PTFIX 10/6X4-NS35A BN	①	3273734	8
PTFIX 10/12X4-NS35A BN	②	3273756	8
PTFIX 10/18X4-NS35A BN	③	3273778	8
PTFIX 10/6X4-NS35A WH	①	3273736	8
PTFIX 10/12X4-NS35A WH	②	3273758	8
PTFIX 10/18X4-NS35A WH	③	3273780	8
PTFIX 10/6X4-NS35A BK	①	3273738	8
PTFIX 10/12X4-NS35A BK	②	3273760	8
PTFIX 10/18X4-NS35A BK	③	3273782	8
PTFIX 10/6X4-NS35A VT	①	3273740	8
PTFIX 10/12X4-NS35A VT	②	3273762	8
PTFIX 10/18X4-NS35A VT	③	3273784	8
PTFIX 10/6X4-NS35A PK	①	3273741	8
PTFIX 10/12X4-NS35A PK	②	3273763	8
PTFIX 10/18X4-NS35A PK	③	3273785	8
PTFIX 10/6X4-NS35A OG	①	3273742	8
PTFIX 10/12X4-NS35A OG	②	3273764	8
PTFIX 10/18X4-NS35A OG	③	3273786	8
PTFIX 10/6X4-NS35A-FE	①	3273744	8
PTFIX 10/12X4-NS35A-FE	②	3273766	8
PTFIX 10/18X4-NS35A-FE	③	3273788	8


UK

UK universal terminal blocks, OTTA, RSC, UHV high-current terminal blocks, UBAL universal terminal blocks, SK shield connection clamps

Universal modular terminal blocks

Screw connections continue to dominate industrial connection technology. No other connection technology can achieve such high contact forces in a confined space. Our UK universal terminal block series, which has been accepted throughout the world, is named after the universal snap-on foot for DIN and G-profile rails, as well as the multi-conductor connection. Another feature of this terminal block series is the flexible screw-type bridge system with a high current carrying capacity.

In addition to standard terminal blocks, the comprehensive terminal block range in this series also includes a wide range of special terminal blocks. These include, for example, terminal blocks with slip-on connections, terminal blocks for use in high temperatures, and terminal block series for energy supply and building installation.

In addition to numerous approvals, all terminal blocks in the basic series are certified in accordance with the ATEX standard and can be used in Ex e potentially explosive areas.

Your web code: #1397

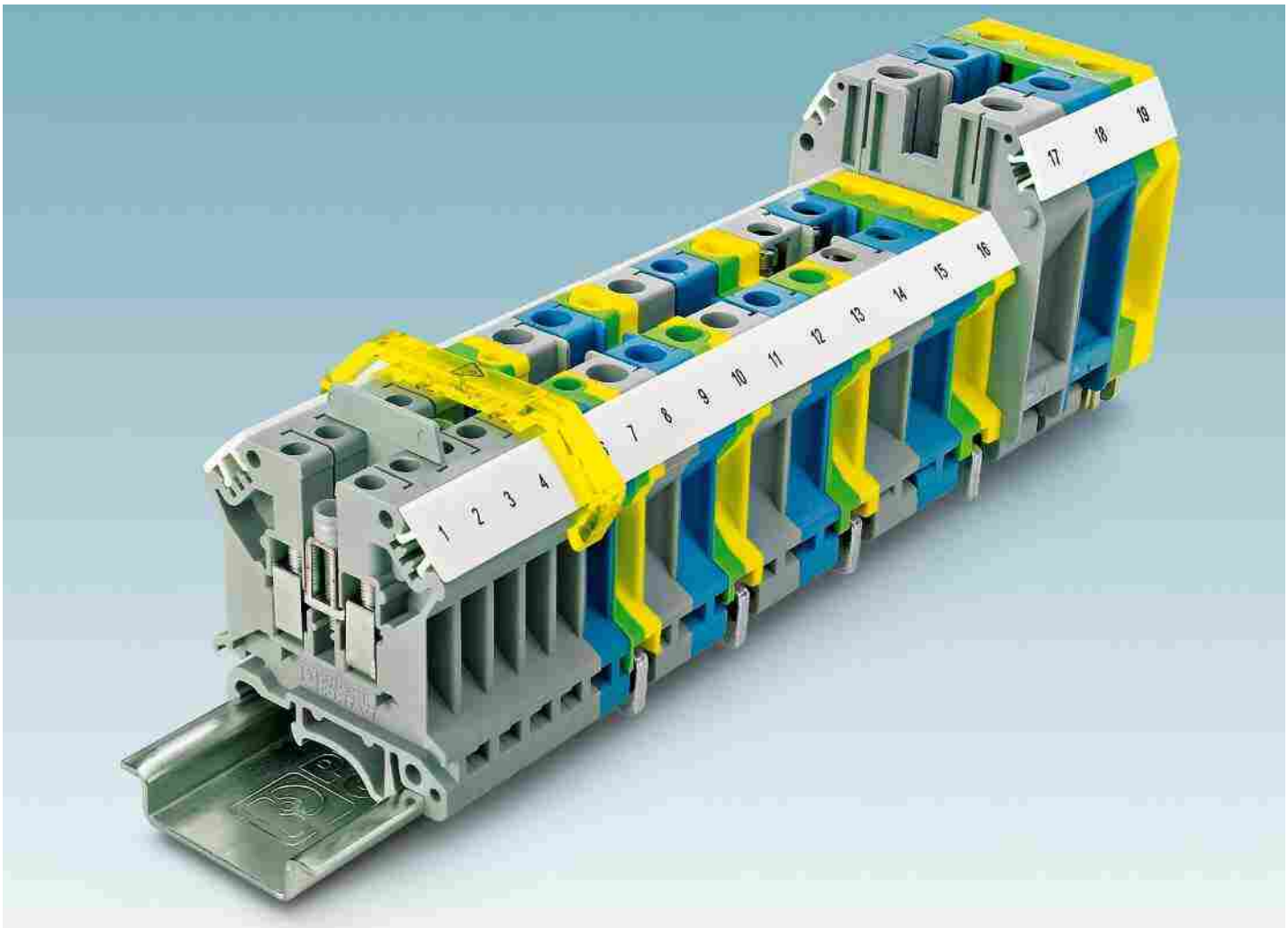
Shield connection clamps

Shield connection clamps ensure error-free operation of your system. They provide optimum wiring convenience, are suitable for all standard cable shielding, and support EMC-compliant wiring thanks to their large surfaces and low-impedance and low-resistance contact transitions.

Your web code: #0845

Product range overview

UK universal modular terminal blocks	**456**
Feed-through and ground terminal blocks	**458**
Feed-through and ground terminal blocks with 3 and 4 connections	**466**
Double-level and ground double-level terminal blocks	**472**
Cross-reference list: bridges	**476**
Three-level and three-conductor initiator terminal blocks	**480**
Four-conductor initiator and actuator terminal blocks	**486**
Three and four-level terminal blocks	**488**
Fuse terminal blocks	**490**
Lever-type fuse terminal blocks for photovoltaics	**502**
Disconnect terminal blocks	**506**
Knife disconnect terminal blocks	**512**
Slide-type terminal blocks, test disconnect terminal blocks	**517**
Double-level diode terminal blocks, component terminal blocks, LED terminal blocks	**528**
Ground disconnect terminal block	**533**
UK universal modular terminal blocks with special connection	**534**
SSK high-temperature terminal blocks	**541**
USST spring-assisted screw terminal blocks	**545**
MT and MBK mini screw terminal blocks	**553**
OTTA bolt connection terminal blocks	**563**
RSC bolt connection terminal blocks	**568**
UHV high-current connectors	**574**
G device terminal blocks	**577**
UDB trunk line branch terminals	**580**
UBAL universal terminal blocks for aluminum conductors	**582**
Accessories	**586**
SK shield connection clamps	**594**



Your web code: #1397

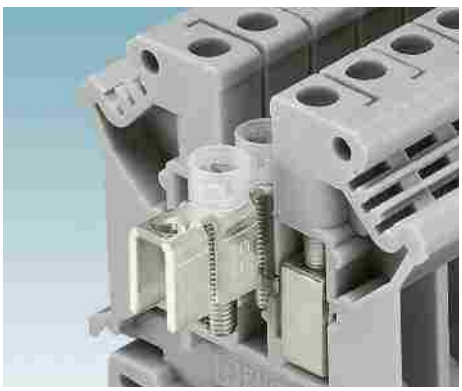
Universal and zero-maintenance

The UK screw connection is characterized by three main features.

– Global standard
– Multiple conductor connection
– Zero maintenance thanks to Reakdyn principle

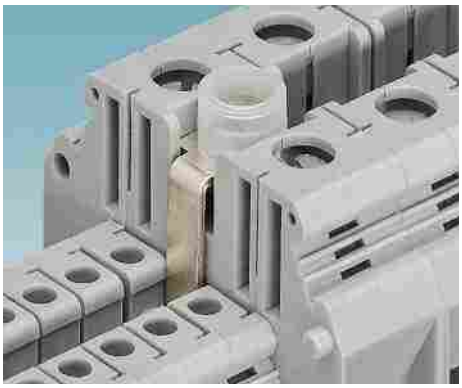
Universal housing foot

The universal foot allows the terminal blocks to be easily snapped onto two popular DIN rail profiles, the NS 35 DIN rail or the NS 32 DIN rail with G shape.

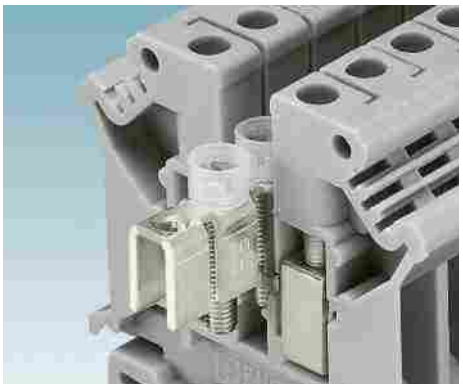


Screw-type bridge system

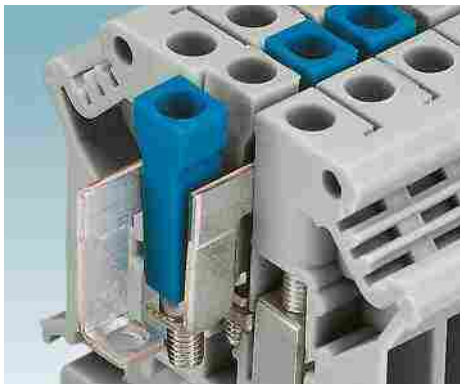
The range of application for terminal blocks is greatly determined by the bridge accessories. A wide choice of bridges is available for the UK series, enabling all switching tasks to be performed with ease.



If used with the corresponding fixed bridges, the step brackets STL... allow terminal blocks with different nominal cross sections to be connected. This allows infeed blocks to be created with ease.



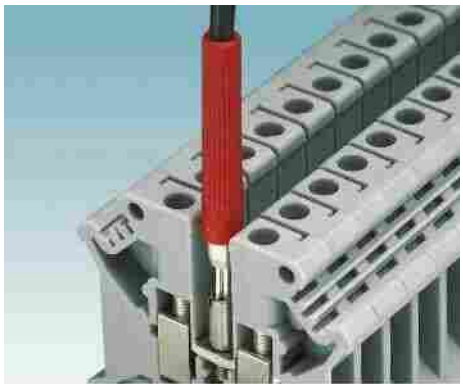
Any number of positions can be easily disconnected from a 10-pos. strip of the fixed bridge with isolation cap FBI ..., placed in the bridge shaft and screwed down.



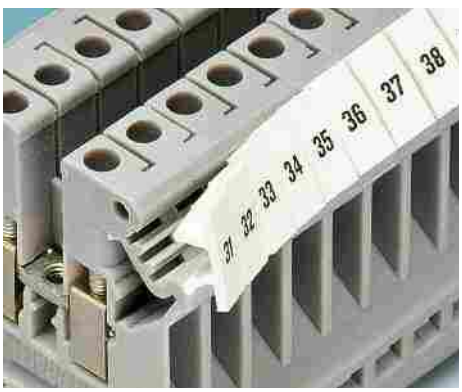
The L bridges LB ... can be used to guide two different potentials over up to 100 terminal blocks in the bridge shaft. Isolated and color-coded contact screws clearly indicate the relevant potential.

The bridge bar isolator switching bridges ISSBI ... enable switchable cross connections if used with bridge bar isolator IS .... Here the screw has the function of a live switching element.

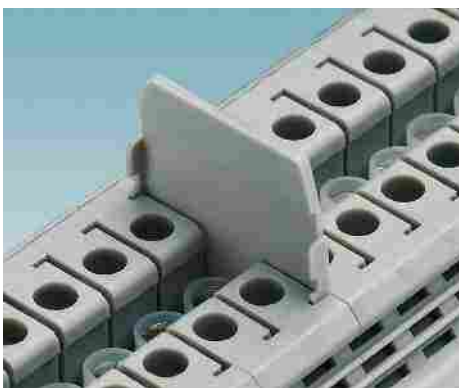
The isolated insertion bridges EB ... are simply clamped down at the connection points with or without conductors. The bridges can be assembled as required for the number of positions. Individual forks are removed for jumping bridging.



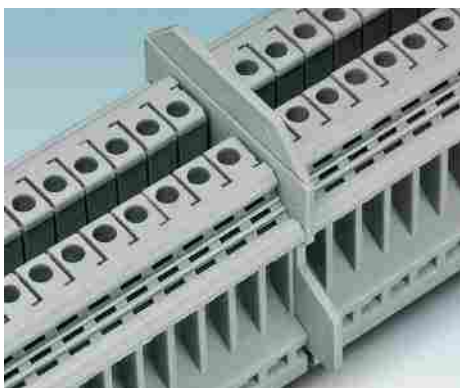
PSB ... test sockets which can be screwed into the bridge shaft enable reliable test points for 2.3 mm and 4 mm test plugs. The 2.3 mm MPS ... test plug makes direct contact in the bridge shaft when using terminal blocks with an overall width of 5.2 mm and 6.2 mm.



Large and clear marking of the terminal points is essential for reliable and quick installation. Each terminal point in the UK series can be labeled separately.

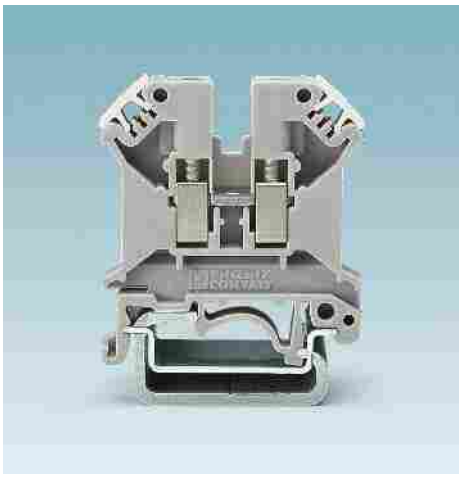


The separating disk TS ... is used to electrically and visually separate two neighboring bridges. A separating disk should be placed on both sides of the bridge in order for the terminal blocks to retain their complete nominal voltage.



The partition plates protrude beyond the terminal block contours. They provide visual as well as electrical group separation.

Feed-through terminal blocks UK ...

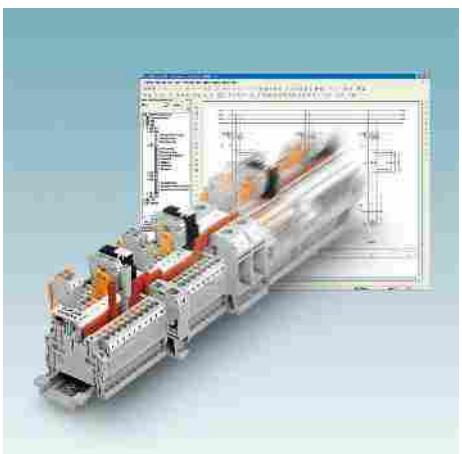


- The UK series of universal screw terminal blocks possesses typical features which are crucial to practical use
- Universal foot which can be used on DIN rails NS 35 ... and NS 32 ...
- Potential distribution alternatively via fixed bridges in the terminal center or insertion bridges in the clamping space
- High bridge currents

High-current terminal blocks up to 240 mm²

The UKH high-current terminal blocks up to 240 mm² can be found in the section on UT screw connection terminal blocks

PROJECT complete planning enables the quick and convenient planning and configuration of error-free terminal strips.



Notes:

For more insertion bridges, visit phoenixcontact.net/products

[1]) For information on installation and using accessories for Ex applications, see page 678.

1.5 (1.5) mm², 17.5 A, feed-through terminal block

Ex: EAC Ex
KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Technical data

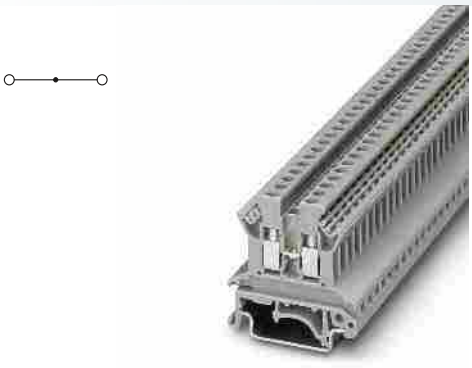
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		4.2	**42.5**	**42**
Dimensions		Width	Length	Height NS 32
	[mm]	**4.2**	**42.5**	**47**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		17.5	**500**	**0.14 - 1.5** / **30-14**
Rated data		IEC 60947-7-1		
		IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	300	- / 352
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	- / 17 / 1.5
Rated cross section	[mm²]	1.5	-	- / 0.14-1.5
Cross section range	AWG	26 - 16	30-14	- / 26 - 16
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75 / 0.25 - 0.75
2 conductors (of the same type)	[mm²]	0.14 - 0.75	0.14 - 0.75	0.25 - 0.34 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 0.5
Max. cross section with insertion bridge	[mm²]	-	-	- / -
General data				
Stripping length	[mm]	7		
Screw thread		M2		
Tightening torque	[Nm]	0.22 - 0.25		
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**UK 1,5 N**		3005837	50
		blue	**UK 1,5 N BU**		3005840	50

Accessories[1])

Cover, width: 1.5 mm		gray	**D-UK 2,5**		3001022	50
		blue	**D-UK 2,5 BU**		3001103	50
Cover, width: 1.8 mm		gray				
		blue				
Fixed bridge, isolated	10	silver	**FBRN 10-4 N**	12 A	3001624	10
Insertion bridge, insulated	10	gray				
Switch bar for 2 terminal blocks, complete, to increase insulation an end cover must be interposed	2	silver				
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver				
Bridge bar isolator, as distance piece for isolator bridge bar		gray				
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray				
Partition plate, 1.5 mm wide		gray	**ATP-UK**		3003224	50
Test socket		silver				
Test socket, insulated, can be used only with FBI and ISSBI		silver				
Screwdriver			**SZS 0,4X2,5 VDE**		1205037	10
Lateral groove labeling			**ZB 4 (see Catalog 3)**			



2.5 (4) mm², 24 A, feed-through terminal block

Ex: EAC Ex
KEMA 06ATEX0119 U / IECEx KEM 06.0034U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**42.5**	**42**	
Width	Length	Height NS 32	
5.2	**42.5**	**47**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**800**	**0.2 - 4**	**30-12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	300	300	550
24 / 2.5	20 / -	20 / -	22 / 2.5
2.5	-	-	0.2-2.5
24 - 12	30-12	28-12	24 - 12
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1.5
2.5	2.5	-	-
7			
M3			
0.6 - 0.8			
PA			
V2			

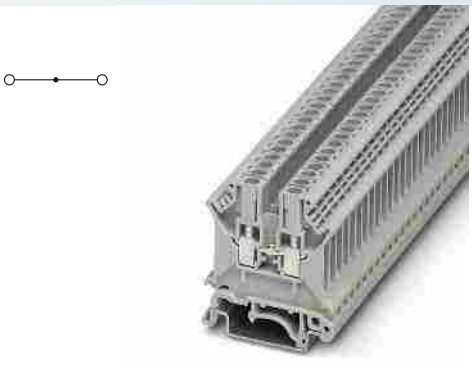
Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 2,5 N		3003347	50
UK 2,5 N BU		3003350	50

Accessories[1])

D-UK 2,5		3001022	50
D-UK 2,5 BU		3001103	50
FBRI 10-5 N	24 A	2770642	10
EBL 10- 5	24 A	2303132	10
USBR 2-7	18 A	2303239	1
TS-KK 3		2770215	50
ATP-UK		3003224	50
PSB 3/10/4		0601292	10
PSBJ 3/13/4		0201304	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

ZB 5 (see Catalog 3)



2.5 (4) mm², 32 A, feed-through terminal block

Ex: EAC Ex
KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**42.5**	**47**	
Width	Length	Height NS 32	
5.2	**42.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**800**	**0.2 - 4**	**28-12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	690
24 / 2.5	20 / -	20 / -	23 / 2.5
2.5	-	-	0.2-2.5
24 - 12	28-12	28-12	24 - 12
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

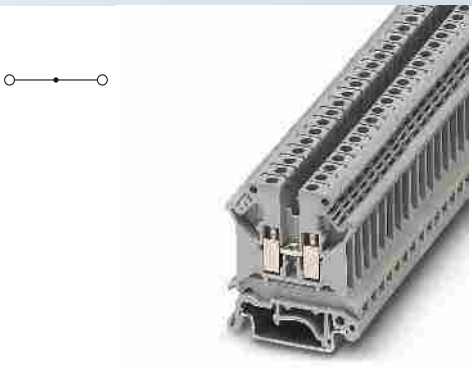
Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 3 N		3001501	50
UK 3 N BU		3001514	50

Accessories[1])

D-UK 4/10		3003020	50
D-UK 4/10 BU		3003101	50
FBRI 10-5 N	30 A	2770642	10
EBL 10- 5	24 A	2303132	10
TS-K		1302215	50
ATP-UK		3003224	50
PSB 3/10/4		0601292	10
PSBJ 3/13/4		0201304	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

ZB 5 (see Catalog 3)



4 (6) mm², 41 A, feed-through terminal block

Ex: EAC Ex
KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**42.5**	**47**	
Width	Length	Height NS 32	
6.2	**42.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41	**800**	**0.2 - 6**	**30-10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	690
32 / 4	30 / -	30 / -	30.5 / 4
4	-	-	0.2-4
24 - 10	30-10	28-10	24 - 10
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
4	4	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 5 N		3004362	50
UK 5 N BU		3004388	50

Accessories[1])

D-UK 4/10		3003020	50
D-UK 4/10 BU		3003101	50
FBI 10- 6	41 A	0203250	10
EB 10- 6	32 A	0201139	10
USBR 2-7	34 A	2303239	1
ISSBI 10- 6	30 A	0301505	10
IS-K 4		1302338	100
TS-K		1302215	50
ATP-UK		3003224	50
PSB 3/10/4		0601292	10
PSBJ 3/13/4		0201304	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

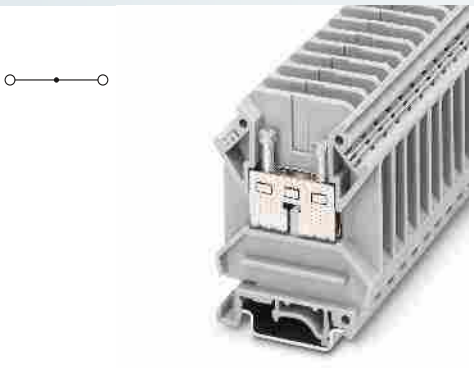
ZB 6 (see Catalog 3)

UHSK/S 2000 feed-through terminal blocks

– All universal terminal blocks of the UK ... series can also be used in the area at risk of explosion in accordance with IEC/EN 60079 as standard
– The corresponding EC type examination certificate numbers for the Ex approval can be found in the technical connection data

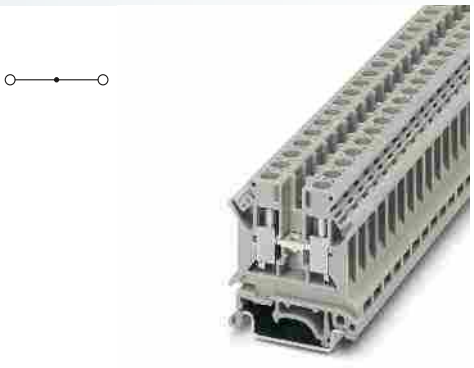
Notes:

[1]) For information on installation and using accessories for Ex applications, see page 678.



6 (10) mm², 57 A, 2000 V, feed-through terminal block

Ex: EAC Ex
SEV12ATEX0168U / IECEx SEV12.0008U



6 (10) mm², 57 A, feed-through terminal block

Ex: EAC Ex
KEMA 98ATEX1651 U / IECEx KEM 06.0034U

Technical data

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**10.2**	**52**	**70.5**		**8.2**	**42.5**	**47**	
Dimensions		Width	Length	Height NS 32		Width	Length	Height NS 32	
	[mm]	**10.2**	**52**	**75.5**		**8.2**	**42.5**	**52**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		57	**2000**	**0.5 - 10**	**26-8**	**57**	**800**	**0.2 - 10**	**26-8**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	2000	1000	600	1100	800	600	600	690
Nominal current / cross section	[A] / [mm²]	41 / -	50 / -	25 / -	41 / 6	41 / 6	50 / -	50 / -	41 / 6
Rated cross section	[mm²]	6	-	-	0.5-6	6	-	-	0.2-6
Cross section range	AWG	20 - 8	26-8	26-12	20 - 8	24 - 8	26-8	26-8	24 - 8
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 10	0.5 - 6	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
2 conductors (of the same type)	[mm²]	0.5 - 6	0.5 - 6	0.5 - 6	-	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 6	-	-	-	0.5 - 4
Max. cross section with insertion bridge	[mm²]	-	-	-	-	4	4	-	-
General data									
Stripping length	[mm]	10				10			
Screw thread		M4				M4			
Tightening torque	[Nm]	1.5 - 1.8				1.5 - 1.8			
Insulating material		PA				PA			
Flammability rating in accordance with UL 94		V0				V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, with universal foot for mounting on NS 32... or NS 35...		gray	**UHSK/S 2000**		0704076	50
		blue				
Terminal block, for mounting on NS 35...		gray				
		blue				

Accessories[1])

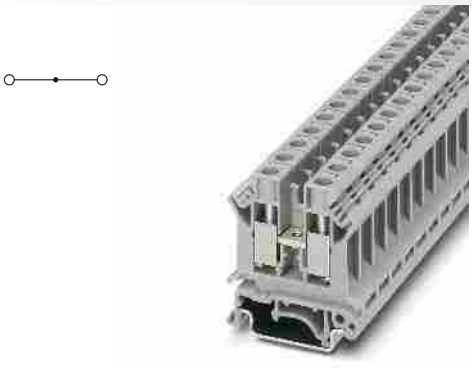
Cover, width: 1.8 mm		gray				
Cover, width: 1.5 mm		gray				
Cover, width: 2 mm		gray	**D-UHSK 2000**		0704021	50
Fixed bridge, isolated						
	2	silver				
	10	silver	**FBI 10-10**	61 A	0203276	10
Insertion bridge, fully insulated						
	10	gray				
Switching bridge for 2 terminal blocks, a cover must be placed between them to increase isolation						
	2	silver				
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**						
	10	silver				
Bridge bar isolator, as distance piece for isolator bridge bar		gray				
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray				
Partition plate, 1.5 mm wide		gray				
Test socket, for test connection with test plug PS		silver				
Screwdriver						
Lateral groove labeling			**ZB 10 (see Catalog 3)**			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 6 N		3004524	50
UK 6 N BU		3004977	50

Accessories[1])

D-UK 4/10		3003020	50
FBI 10- 8	57 A	0203263	10
EB 10- 8	57 A	0202138	10
SB 2- 8/13 N	40 A	0200062	1
ISSBI 10- 8	57 A	0301534	10
IS-K 10		1303337	100
TS-K		1302215	50
ATP-UK		3003224	50
PSB 4/7/6		0303299	10
SZS 1,0X4,0 VDE		1205066	10
ZB 8 (see Catalog 3)			



10 (16) mm², 76 A, feed-through terminal block

Ex: EAC Ex
KEMA 98ATEX1786U / IECEx KEM 06.0029U

Technical data

Width	Length	Height NS 35/7,5	
10.2	**42.5**	**47.3**	
Width	Length	Height NS 32	
10.2	**42.5**	**52.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
76	**800**	**0.5 - 16**	**24-6**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	690
57 / 10	65 / -	65 / -	57 / 10
10	-	-	0.5-10
20 - 6	24-6	24-6	20 - 6
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 6
10	10	-	-
10			
M4			
1.5 - 1.8			
PA			
V0			

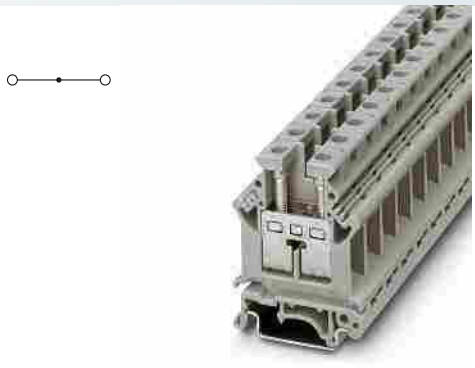
Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 10 N		3005073	50
UK 10 N BU		3005086	50

Accessories[1])

D-UK 4/10		3003020	50
FBI 10-10	76 A	0203276	10
EB 10-10	70 A	0203137	10
TS-K		1302215	50
ATP-UK		3003224	50
PSB 4/7/6		0303299	10
SZS 1,0X4,0 VDE		1205066	10

ZB 10 (see Catalog 3)



16 (25) mm², 101 A, feed-through terminal block

Ex: EAC Ex
KEMA 98ATEX1786U / IECEx KEM 06.0029U

Technical data

Width	Length	Height NS 35/7,5	
12.2	**42.5**	**54**	
Width	Length	Height NS 32	
12.2	**42.5**	**59**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
101	**800**	**2.5 - 25**	**22-4**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	690
76 / 16	85 / -	85 / -	74 / 16
16	-	-	4-16
14 - 4	22-4	22-4	14 - 4
Rigid	Flexible	Ferrule without/with plastic sleeve	
2.5 - 25	4 - 16	1.5 - 16	1.5 - 16
1.5 - 6	1.5 - 4	1.5 - 6	-
-	-	-	0.75 - 10
16	16	-	-
11			
M4			
1.5 - 1.8			
PA			
V0			

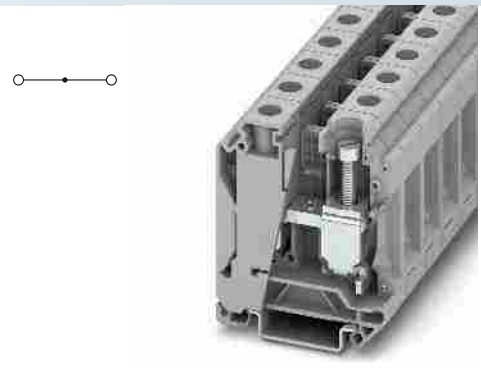
Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 16 N		3006043	50
UK 16 N BU		3006056	50

Accessories[1])

D-UK 16		3006027	50
FBI 10-12	101 A	0203454	10
EB 10-12	70 A	3006137	10
TS-K		1302215	50
ATP-UK		3003224	50
PSB 4/7/6		0303299	10
SZS 1,0X4,0 VDE		1205066	10

ZB 12 (see Catalog 3)



35 (35) mm², 125 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/7,5	
16	**54.5**	**62**	
Width	Length	Height NS 32	
16	**54.5**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
125	**1000**	**10 - 35**	**8-2**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
125 / 35	115	-	-
35	-	-	-
8 - 2	8-2	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
10 - 35	10 - 35	10 - 35	10 - 35
6 - 16	6 - 10	6 - 10	-
-	-	-	6 - 10
-	-	-	-
16			
M6			
3.2 - 3.7			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 35 N		3074130	50
UK 35 N BU		3058350	50

Accessories[1])

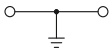
FBI 2-15	125 A	0201333	10
PSB 6/5/6		0205290	10
SZS 1,0X6,5 VDE		1205079	10

ZB 16,3 (see Catalog 3)

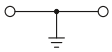
Ground terminal blocks USLKG ...

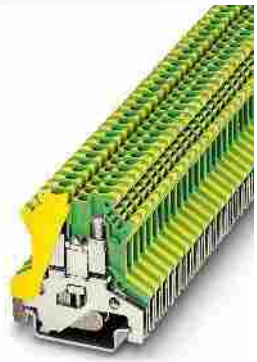
Notes:

[1]) For information on installation and using accessories for Ex applications, see page 678.



1.5 (1.5) mm², ground terminal block





2.5 (4) mm², ground terminal block

Ex: EAC Ex
KEMA 99ATEX4487U / IECEx KEM 06.0035U

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**4.2**	**42.5**	**42**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**4.2**	**42.5**	**47**	
Maximum electrical data				max. Ø [mm²]	AWG (UL)
				0.14 - 1.5	**26-14**
		IEC 60947-7-2			
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	- / -	-	-	- / 1.5
Rated cross section	[mm²]	1.5	-	-	0.14-1.5
Cross section range	AWG	26 - 16	26-14	-	26 - 16
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
2 conductors (of the same type)	[mm²]	0.14 - 0.75	0.14 - 0.75	0.25 - 0.34	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 0.5
General data					
Stripping length	[mm]	7			
Terminal point: Thread / torque	- / [Nm]	M2 / 0.22 - 0.25			
Mounting: Thread / torque	- / [Nm]	PE foot with mounting screw, M2 / 0.22 - 0.25			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Ground terminal block, for mounting on NS 32... or NS 35...	green-yellow	**USLKG 1,5 N**	3005853	50
Ground terminal block, for mounting on NS 35/15–2,3	green-yellow			

Accessories[1])

Screwdriver	**SZS 0,4X2,5 VDE**	1205037	10
Lateral groove labeling	**ZB 4 (see Catalog 3)**		

Ex: EAC Ex
KEMA 96ATEX4370 U / IECEx KEM 06.0035U

Technical data

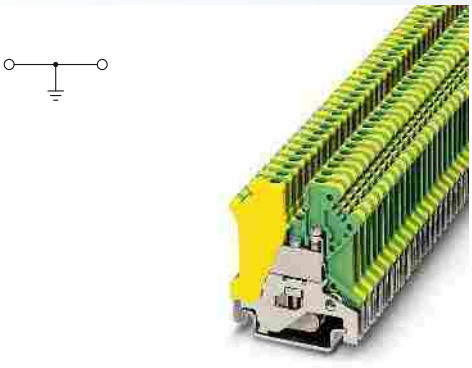
		Width	Length	Height NS 35/7,5	
		5.2	**42.5**	**42**	
		Width	Length	Height NS 32	
		5.2	**42.5**	**47**	
				max. Ø [mm²]	AWG (UL)
				0.2 - 4	**-**
		IEC 60947-7-2			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
		-	-	-	-
		- / -	-	- / -	- / 2.5
		2.5	-	-	0.2-2.5
		24 - 12	-	28-12	24 - 12
		Rigid	Flexible	Ferrule without/with plastic sleeve	
		0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
		0.2 - 1	0.2 - 1	0.25 - 1.5	-
		-	-	-	0.5 - 1.5
		7			
		M3 / 0.6 - 0.8			
		PE foot with mounting screw, M2.5 / 0.5 - 0.6			
		PA			
		V0			

Ordering data

Type	Order No.	Pcs./Pkt.
USLKG 2,5 N	0441119	50
USLKG 2,5 N-1	0443081	50

Accessories[1])

SF-SL 0,6X3,5-100 S-VDE	1212587	10
ZB 5 (see Catalog 3)		



2.5 (4) mm², ground terminal block

Ex: EAC Ex
KEMA 97ATEX1622 U / IECEx KEM 06.0035U

Technical data

Width	Length	Height NS 35/7,5	
5.2	**42.5**	**47**	
Width	Length	Height NS 32	
5.2	**42.5**	**52**	
		max. Ø [mm²]	AWG (UL)
		0.2 - 4	**24-12**

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	- / -	- / 2.5
2.5	-	-	0.2-2.5
24 - 12	24-12	22-12	24 - 12
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5

8
M3 / 0.6 - 0.8

PE foot with mounting screw, M2.5 / 0.5 - 0.6

PA
V0

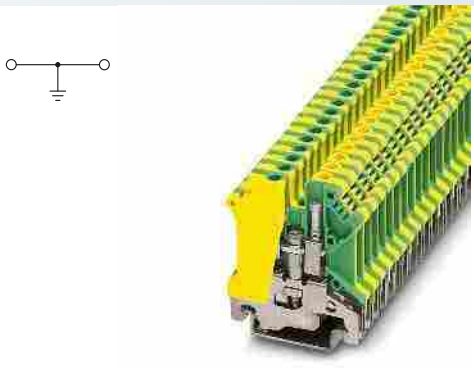
Ordering data

Type	Order No.	Pcs./Pkt.
USLKG 3	0441083	50
USLKG 3-1	0441106	50

Accessories[1])

SF-SL 0,6X3,5-100 S-VDE	1212587	10

ZB 5 (see Catalog 3)



4 (6) mm², ground terminal block

Ex: EAC Ex
KEMA 99ATEX4487U / IECEx KEM 06.0035U

Technical data

Width	Length	Height NS 35/7,5	
6.2	**42.5**	**47**	
Width	Length	Height NS 32	
6.2	**42.5**	**52**	
		max. Ø [mm²]	AWG (UL)
		0.2 - 6	**24-10**

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	- / -	- / 4
4	-	-	0.2-4
24 - 10	24-10	26-10	24 - 10
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5

8
M3 / 0.6 - 0.8

PE foot with mounting screw, M3 / 0.6 - 0.8

PA
V0

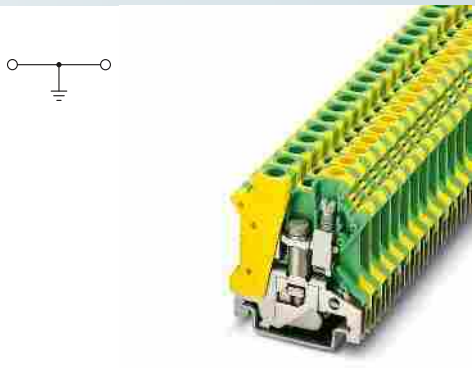
Ordering data

Type	Order No.	Pcs./Pkt.
USLKG 5	0441504	50
USLKG 5-1	0441517	50

Accessories[1])

SF-SL 0,6X3,5-100 S-VDE	1212587	10

ZB 6 (see Catalog 3)



6 (10) mm², ground terminal block

Ex: EAC Ex
KEMA 96ATEX4370 U / IECEx KEM 06.0035U

Technical data

Width	Length	Height NS 35/7,5	
8.2	**42.5**	**47**	
Width	Length	Height NS 32	
8.2	**42.5**	**52**	
		max. Ø [mm²]	AWG (UL)
		0.2 - 10	**24-8**

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	-	- / 6
6	-	-	0.2-6
24 - 8	24-8	-	24 - 8
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 4

10
M4 / 1.5 - 1.8

PE foot with mounting screw, M4 / 1.5 - 1.8

PA
V0

Ordering data

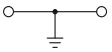
Type	Order No.	Pcs./Pkt.
USLKG 6 N	0442079	50
USLKG 6 N-1	0444048	50

Accessories[1])

SZS 1,0X4,0 VDE	1205066	10

ZB 8 (see Catalog 3)

Ground terminal blocks USLKG ...



10 (16) mm², ground terminal block

Notes:

[1]) For information on installation and using accessories for Ex applications, see page 678.

Ex: EAC Ex
KEMA 99ATEX4487U / IECEx KEM 06.0035U

Technical data

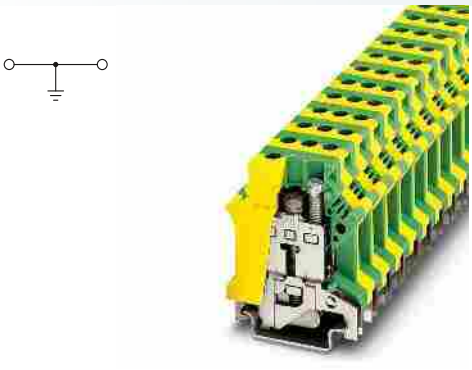
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**10.2**	**42.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**10.2**	**42.5**	**52**	
Maximum electrical data				max. Ø [mm²]	AWG (UL)
				0.5 - 16	**20-6**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	- / 10	-	- / -	- / 10
Rated cross section	[mm²]	10	-	-	0.5-10
Cross section range	AWG	20 - 6	20-6	24-6	20 - 6
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
2 conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 2.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 6
General data					
Stripping length	[mm]	10			
Terminal point: Thread / torque	- / [Nm]	M4 / 1.5 - 1.8			
Mounting: Thread / torque	- / [Nm]	PE foot with mounting screw, M4 / 1.5 - 1.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

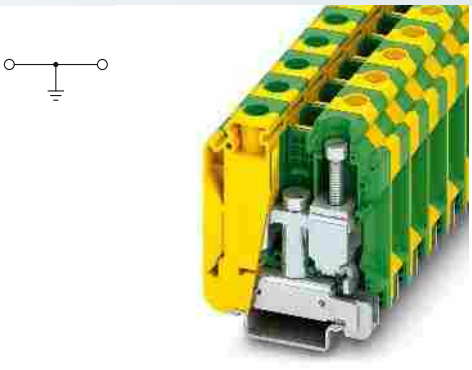
Description	Color	Type	Order No.	Pcs./Pkt.
Ground terminal block, for mounting on NS 32... or NS 35...	green-yellow	**USLKG 10 N**	3003923	50
Ground terminal block, for mounting on NS 35/15–2,3	green-yellow	**USLKG 10 N-1**	0442082	50
Ground terminal block, for mounting on NS 35...	green-yellow			

Accessories[1])

Screwdriver	**SZS 1,0X4,0 VDE**	1205066	10
Lateral groove labeling	**ZB 10 (see Catalog 3)**		



16 (25) mm², ground terminal block



35 (35) mm², ground terminal block

Ex: EAC Ex
KEMA 99ATEX4487U / IECEx KEM 06.0035U

Technical data

Width	Length	Height NS 35/7,5	
12.2	**42.5**	**54**	
Width	Length	Height NS 32	
12.2	**42.5**	**59**	
		max. Ø [mm²]	AWG (UL)
		2.5 - 25	**14-4**

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / 16	-	- / -	- / 16
16	-	-	4-16
12 - 4	14-4	22-4	12 - 4
Rigid	Flexible	Ferrule without/with plastic sleeve	
2.5 - 25	4 - 16	1.5 - 16	1.5 - 16
1.5 - 6	1.5 - 4	1.5 - 6	-
-	-	-	0.75 - 10

11
M4 / 1.5 - 1.8

PE foot with mounting screw, M4 / 1.5 - 1.8

PA
V0

Ordering data

Type	Order No.	Pcs./Pkt.
USLKG 16 N	0443023	50
USLKG 16 N-1	0443036	50

Accessories[1])

SZS 1,0X4,0 VDE	1205066	10

ZB 12 (see Catalog 3)

EAC

Technical data

Width	Length	Height NS 35/7,5	
16	**53.4**	**62**	
Width	Length	Height NS 32	
16	**53.4**	**-**	
		max. Ø [mm²]	AWG (UL)
		10 - 35	**-**

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / 35	-	-	-
35	-	-	-
8 - 2	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
10 - 35	10 - 35	10 - 35	10 - 35
6 - 16	6 - 10	6 - 10	-
-	-	-	6 - 10

16
M6 / 3.2 - 3.7

PE foot with mounting screw, M5 / 2.5 - 3

PA
V0

Ordering data

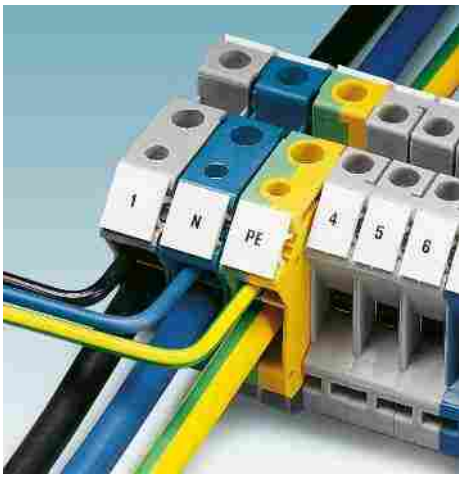
Type	Order No.	Pcs./Pkt.
USLKG 35 N	3074143	50

Accessories[1])

SZS 1,0X6,5 VDE	1205079	10

ZB 16,3 (see Catalog 3)

Feed-through and ground terminal blocks with three UK 10−PLUS connections

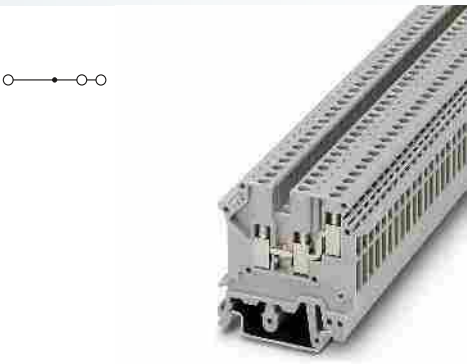


- These twin modular terminal blocks are designed for the basic job of potential branching
- The simple way to connect with very different types of conductors with very different cross sections
- Two independent conductor connections can be used on the switch cabinet side
- Bridgeable in the terminal center, even with feed-through terminal blocks added as neighbors: UK 3-TWIN with UK 3 N, UK 5-TWIN with UK 5 N and UK 10-TWIN and UK 10-PLUS with UK 10 N
- The terminal blocks UK 3-TWIN and UK 5-TWIN have the same shape but different pitch widths
- The UK 10-TWIN has two 10 mm² connection options
- The UK 10-PLUS has one connection for connecting through a 10 mm² supply cable and a 4 mm² tap
- UK 10-TWIN and UK 10-PLUS can also be bridged in the terminal center with the feed-through terminal blocks UK 10 N
- With universal foot for mounting on NS 35 ...or NS 32 ... DIN rails

Notes:

If added to the open side of the UK 3–TWIN and UK 5–TWIN universal terminal blocks UK, the open metal part must be closed with the UK 5–TWIN-DECKELSEGMENT, five of which are supplied with every package.

[1]) Tap: 41 A / 6 mm²



2.5 (2.5) mm², 24 A, feed-through terminal block, 3 connections

Technical data

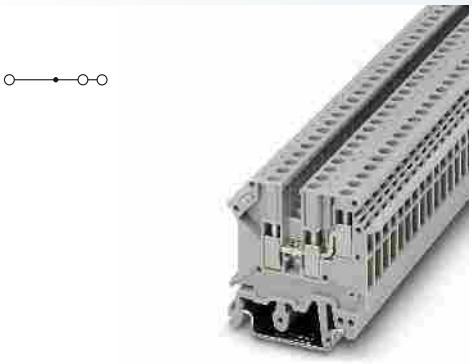
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**50.5**	**47**
Dimensions		Width	Length	Height NS 32
	[mm]	**5.2**	**50.5**	**52**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		24	**400**	**0.2 - 2.5 / 30-12**
Rated data		IEC 60947-7-1 / IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	300	300 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	10 / -	20 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 14	30-12	28-12 / -
Connection capacity continuity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5 / 0.25 - 1
2 conductors (of the same type)	[mm²]	0.2 - 0.5	0.2 - 0.5	0.25 - 0.5 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 0.75
Max. cross section with insertion bridge	[mm²]	2.5	2.5	- / -
Connection capacity pick-off		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	-	-	- / -
2 conductors (of the same type)	[mm²]	-	-	- / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / -
General data				
Stripping length: Continuity / pick-off	[mm]	8 / -		
Continuity: Thread / torque		M3 / 0.5 - 0.6		
Pick-off: Thread / torque		- / -		
Insulating material		PA		
Flammability rating in accordance with UL 94		V2		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, with universal foot for reversible mounting on NS 32... or NS 35...		gray	**UK 3-TWIN**		3002225	50
		blue	**UK 3-TWIN BU**		3002416	50

Accessories

Cover, width: 2 mm		gray	**D-UK 5-TWIN**		1923034	50
		blue	**D-UK 5-TWIN BU**		1923050	50
Fixed bridge, isolated	10	silver	**FBRI 10-5 N**	24 A	2770642	10
Insertion bridge, insulated	2	gray	**EBL 2- 5**	24 A	2303145	10
	3	gray	**EBL 3- 5**	24 A	2303158	10
	10	gray	**EBL 10- 5**	24 A	2303132	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-K**		1302215	50
Test socket		silver	**PSB 3/10/4**		0601292	10
Test socket, insulated, can be used only with FBI and ISSBI		silver	**PSBJ 3/13/4**		0201304	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**ZB 5 (see Catalog 3)**			



4 (4) mm², 32 A, feed-through terminal block, 3 connections

Ex: EAC Ex

Technical data

Width	Length	Height NS 35/7,5	
6.2	**50.5**	**47**	
Width	Length	Height NS 32	
6.2	**50.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**500**	**0.2 - 4**	**30-10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	150	300	275
32 / 4	30 / -	30 / -	32
4	-	-	-
24 - 12	30-10	22-10	0.2-4
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
4	4	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
8 / -			
M3 / 0.6 - 0.8			
- / -			
PA			
V2			

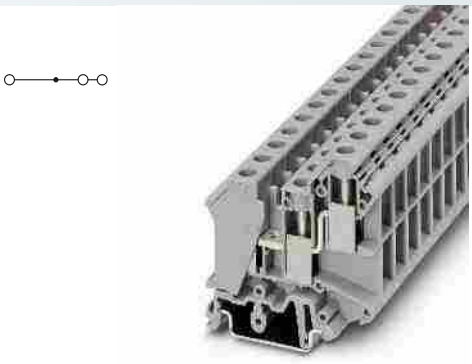
Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 5-TWIN		1923021	50
UK 5-TWIN BU		1923047	50

Accessories

D-UK 5-TWIN		1923034	50
D-UK 5-TWIN BU		1923050	50
FBI 10- 6	32 A	0203250	10
EB 2- 6	32 A	0201155	100
EB 3- 6	32 A	0201142	100
EB 10- 6	32 A	0201139	10
TS-K		1302215	50
PSB 3/10/4		0601292	10
PSBJ 3/13/4		0201304	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

ZB 6 (see Catalog 3)



10 (16) mm², 76 A, feed-through terminal block, 3 connections

Technical data

Width	Length	Height NS 35/7,5	
10.2	**56.5**	**59**	
Width	Length	Height NS 32	
10.2	**56.5**	**64**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
76	**800**	**0.5 - 16**	**24-6**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	300	600	-
57 / 10	65 / -	65 / -	-
10	-	-	-
20 - 6	24-6	24-6	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
-	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
11 / -			
M4 / 1.5 - 1.8			
- / -			
PA			
V0			

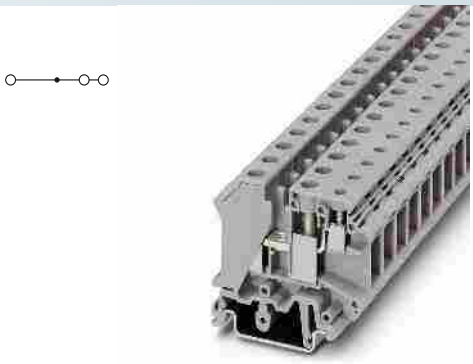
Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 10-TWIN		3005196	50
UK 10-TWIN BU		3005235	50

Accessories

FBI 10-10	76 A	0203276	10
TS-KK 3		2770215	50
PSB 4/7/6		0303299	10
PSBJ 4/15/6 RD		0303325	10
SZS 1,0X4,0 VDE		1205066	10

ZB 10 (see Catalog 3)



10 (16) mm², 76 A, feed-through terminal block, with tap

Technical data

Width	Length	Height NS 35/7,5	
10.2	**53**	**47**	
Width	Length	Height NS 32	
10.2	**53**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
76[1])	**800**	**0.5 - 16**	**24-6**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	300	600	-
57 / 10	65 / -	65 / -	-
10	-	-	-
20 - 6	24-6	24-6	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
-	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
11 / 7			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Ordering data

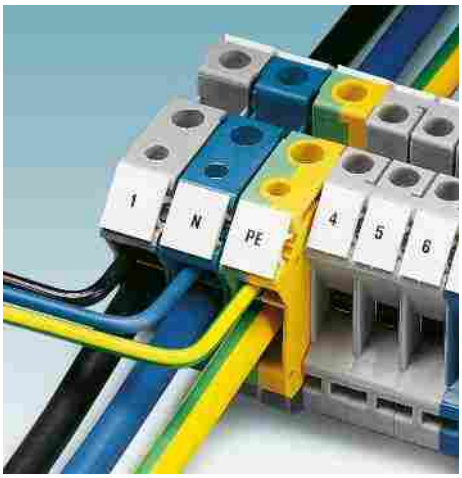
Type	I_{max}	Order No.	Pcs./Pkt.
UK 10-PLUS		3001381	50
UK 10-PLUS BU		3001475	50

Accessories

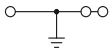
FBI 10-10	76 A	0203276	10
TS-KK 3		2770215	50
PSB 4/7/6		0303299	10
PSBJ 4/15/6 RD		0303325	10
SZS 1,0X4,0 VDE		1205066	10

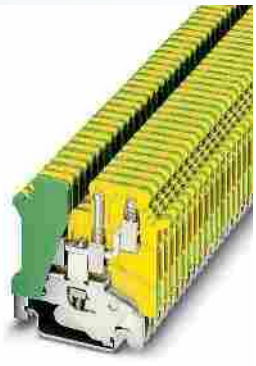
ZB 10 (see Catalog 3)

Ground terminal blocks with three UK ...-TWIN-PE and UK 10-PLUS-PE connections



- Same shape and pitch as the feed-through terminal blocks
- Universal ground conductor foot for mounting on NS 35 ...- or NS 32 ... DIN rails (with the exception of NS 35/15-2,3)
- LB ... and ISSBI 10-6 bridges can be attached to the neighboring UK, UK-TWIN, and UK-PLUS versions with bridging facility thanks to the housing cutouts in the ground terminal blocks





2.5 (2.5) mm², ground terminal block, 3 connections

Technical data

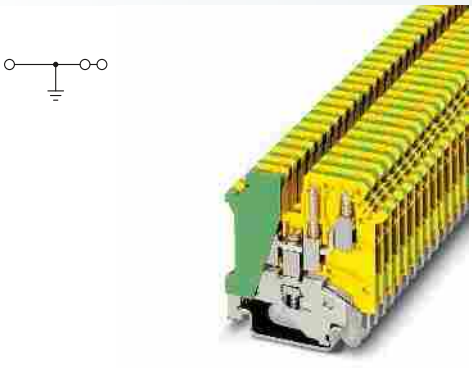
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		5.2	**50.5**	**47**
Dimensions		Width	Length	Height NS 32
	[mm]	**5.2**	**50.5**	**52**
Maximum electrical data				max. Ø [mm²] / AWG (UL)
				0.2 - 2.5 / **30-12**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	-	-	- / -
Nominal current / cross section	[A] / [mm²]	- / -	-	- / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 14	30-12	- / -
Connection capacity continuity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5 / 0.25 - 1
2 conductors (of the same type)	[mm²]	-	-	- / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / -
Connection capacity pick-off		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	-	-	- / -
2 conductors (of the same type)	[mm²]	-	-	- / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / -
General data				
Stripping length: Continuity / pick-off	[mm]	8 / -		
Continuity: Thread / torque		M3 / 0.5 - 0.6		
Pick-off: Thread / torque		- / -		
Mounting: Thread / torque	- / [Nm]	PE foot with mounting screw, M2.5 / 0.5 - 0.6		
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

Ordering data

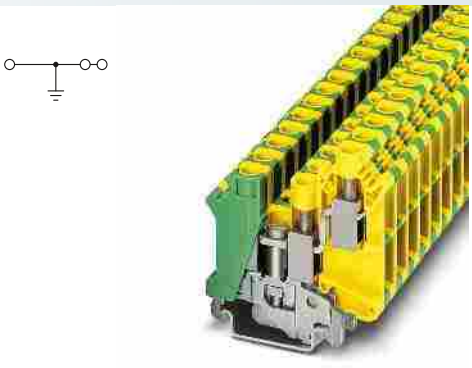
Description	Color	Type	Order No.	Pcs./Pkt.
Ground terminal block, for mounting on NS 32... or NS 35...	green-yellow	**UK 3-TWIN-PE**	1923128	50

Accessories

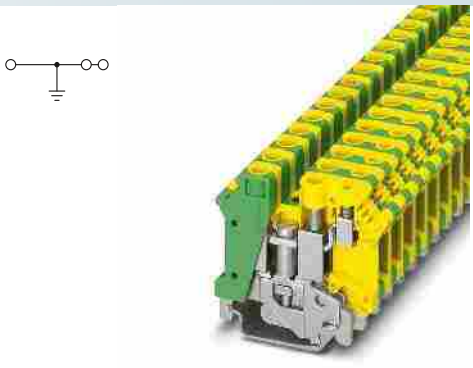
Screwdriver	**SF-SL 0,6X3,5-100 S-VDE** 1212587	10
Lateral groove labeling	**ZB 5 (see Catalog 3)**	



4 (4) mm², ground terminal block, 3 connections



10 (16) mm², 76 A, ground terminal block, 3 connections



10 (16) mm², 76 A, ground terminal block, with tap and PE foot

Technical data

Width	Length	Height NS 35/7,5	
6.2	**50.5**	**47**	
Width	Length	Height NS 32	
6.2	**50.5**	**52**	
		max. Ø [mm²]	AWG (UL)
		0.2 - 4	**30-10**

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	-	-
4	-	-	-
24 - 12	30-10	-	-

Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
-	-	-	-
-	-	-	-

Rigid	Flexible	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-

8 / -
M3 / 0.6 - 0.8

- / -

PE foot with mounting screw, M3 / 0.6 - 0.8

PA
V2

Ordering data

Type	Order No.	Pcs./Pkt.
UK 5-TWIN-PE	1923076	50

Accessories

SF-SL 0,6X3,5-100 S-VDE	1212587	10
ZB 6 (see Catalog 3)		

Technical data

Width	Length	Height NS 35/7,5	
10.2	**56.5**	**59**	
Width	Length	Height NS 32	
10.2	**56.5**	**64**	
		max. Ø [mm²]	AWG (UL)
		0.5 - 16	**24-6**

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / 10	-	- / -	-
10	-	-	-
20 - 6	24-6	24-6	-

Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
-	-	-	-
-	-	-	-

Rigid	Flexible	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-

11 / -
M4 / 1.5 - 1.8

- / -

PE foot with mounting screw, M4 / 1.5 - 1.8

PA
V0

Ordering data

Type	Order No.	Pcs./Pkt.
UK 10-TWIN-PE	3001433	50

Accessories

SZS 1,0X4,0 VDE	1205066	10
ZB 10 (see Catalog 3)		

Technical data

Width	Length	Height NS 35/7,5	
10.2	**53**	**47**	
Width	Length	Height NS 32	
10.2	**53**	**52**	
		max. Ø [mm²]	AWG (UL)
		0.5 - 16	**24-6**

IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / 10	-	- / -	-
10	-	-	-
20 - 6	24-6	24-6	-

Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
-	-	-	-
-	-	-	-

Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
-	-	-	-
-	-	-	-

11 / 7
M4 / 1.5 - 1.8

M3 / 0.6 - 0.8

PE foot with mounting screw, M4 / 1.5 - 1.8

PA
V0

Ordering data

Type	Order No.	Pcs./Pkt.
UK 10-PLUS-PE	3001420	50

Accessories

SZS 1,0X4,0 VDE	1205066	10
ZB 10 (see Catalog 3)		

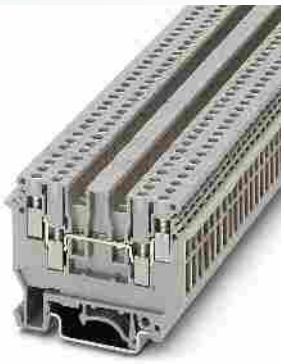
Feed-through and PE terminal blocks with four UDK ... connections

– Two connection points on each side to accommodate several conductors
– Double bridge shaft enables individual potential distribution and supply
– Design width 5.2 mm or 6.2 mm
– UDK 3 and UDK 4 are of the same shape

Ground terminal block UDK ...-PE

– Same shape and pitch as the feed-through terminal blocks
– The ISSBI 10-6 bridge can be attached to the neighboring UDK 4 versions with bridging facility thanks to the housing cutouts in the ground terminal blocks
– Universal ground conductor foot for mounting on NS 35 ...- or NS 32 ... DIN rails (with the exception of NS 35/15-2,3)

PROJECT complete planning enables the quick and convenient planning and configuration of error-free terminal strips.



2.5 (4) mm², 32 A, feed-through terminal block, 4 connections

Technical data

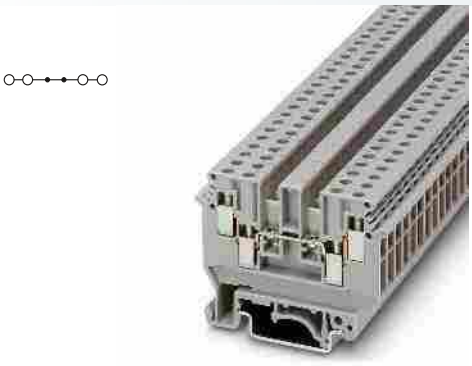
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**5.2**	**63.5**	**47**
Dimensions		Width	Length	Height NS 32
	[mm]	**5.2**	**63.5**	**52**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	**500**	**0.2 - 4** / **30-12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	300	300 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 12	30-12	28-12 / -
Connection capacity		Rigid	Flexible	Ferrule / without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5 / 0.25 - 1.5
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1
Max. cross section with insertion bridge	[mm²]	2.5	2.5	- / -
General data				
Stripping length	[mm]	8		
Terminal point: Thread / torque	- / [Nm]	M3 / 0.5 - 0.6		
Mounting: Thread / torque	- / [Nm]	- / -		
Insulating material		PA		
Flammability rating in accordance with UL 94		V2		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**UDK 3**		2775375	50
		blue	**UDK 3 BU**		2718277	50
Ground terminal block, for mounting on NS 32... or NS 35...		green-yellow				

Accessories

Cover, width: 1.5 mm		gray	**D-UDK 4**		2775113	50
		blue	**D-UDK 4 BU**		2775197	50
Fixed bridge, for cross connections in the terminal center, screw heads with insulation collar						
	2	silver	**FBRI 2-5 N**	26 A	3000227	10
	3	silver	**FBRI 3-5 N**	26 A	3000201	10
	4	silver	**FBRI 4-5 N**	26 A	3000191	10
	10	silver	**FBRI 10-5 N**	26 A	2770642	10
Insertion bridge, insulated						
	2	gray	**EBL 2- 5**	26 A	2303145	10
	3	gray	**EBL 3- 5**	26 A	2303158	10
	10	gray	**EBL 10- 5**	26 A	2303132	10
Switch bar for 2 terminal blocks, complete, to increase insulation an end cover must be interposed						
	2	silver				
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**						
	10	silver				
Bridge bar isolator, as distance piece for isolator bridge bar		gray				
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		2770215	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**ZB 5 (see Catalog 3)**			



4 (6) mm², 32 A, feed-through terminal block, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
6.2	**63.5**	**47**	
Width	Length	Height NS 32	
6.2	**63.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**630**	**0.2 - 6**	**30-10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
630	600	600	-
32 / 4	30 / -	25 / -	-
4	-	-	-
24 - 10	30-10	22-10	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1
2.5	2.5	-	-
8			
M3 / 0.5 - 0.6			
- / -			
PA			
V2			

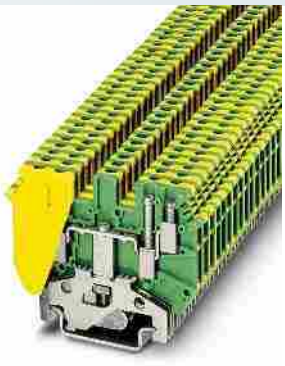
Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UDK 4		2775016	50
UDK 4 BU		2775090	50

Accessories

D-UDK 4		2775113	50
D-UDK 4 BU		2775197	50
FBI 10- 6	32 A	0203250	10
EB 2- 6	26 A	0201155	100
EB 3- 6	26 A	0201142	100
EB 10- 6	26 A	0201139	10
USBR 2-7	24 A	2303239	1
ISSBI 10- 6	32 A	0301505	10
IS-K 4		1302338	100
TS-KK 3		2770215	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

ZB 6 (see Catalog 3)



2.5 (4) mm², ground terminal block, 4 connections

Technical data

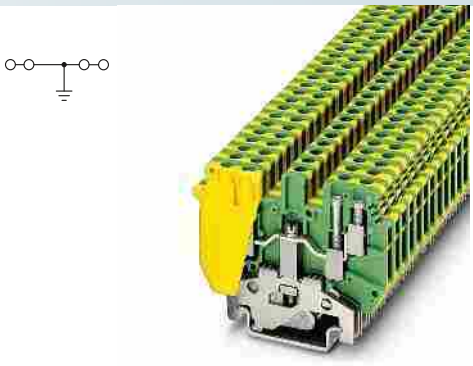
Width	Length	Height NS 35/7,5	
5.2	**63.5**	**47**	
Width	Length	Height NS 32	
5.2	**63.5**	**52**	
		max. Ø [mm²]	AWG (UL)
		0.2 - 4	**30-12**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	-	-
2.5	-	-	-
24 - 12	30-12	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
-	-	-	-
-	-	-	-
-	-	-	-
8			
M3 / 0.5 - 0.6			
PE foot with mounting screw, M2.5 / 0.5 - 0.6			
PA			
V2			

Ordering data

Type	Order No.	Pcs./Pkt.
UDK 3-PE	2775456	50

Accessories

ZB 5 (see Catalog 3)



4 (6) mm², ground terminal block, 4 connections

Technical data

Width	Length	Height NS 35/7,5	
6.2	**63.5**	**47**	
Width	Length	Height NS 32	
6.2	**63.5**	**52**	
		max. Ø [mm²]	AWG (UL)
		0.2 - 6	**22-10**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	- / -	-
4	-	-	-
24 - 10	22-10	22-10	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
-	-	-	-
-	-	-	-
-	-	-	-
8			
M3 / 0.5 - 0.6			
PE foot with mounting screw, M3 / 0.6 - 0.8			
PA			
V2			

Ordering data

Type	Order No.	Pcs./Pkt.
UDK 4-PE	2775184	50

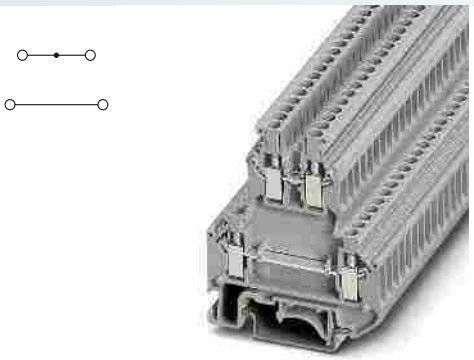
Accessories

SF-SL 0,6X3,5-100 S-VDE		1212587	10

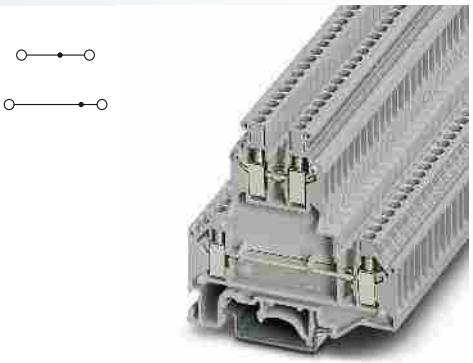
ZB 6 (see Catalog 3)

Double-level terminal blocks UKK ...

- Compact double-level terminal blocks in nominal cross sections of 2.5 and 4 mm²
- One or two bridge shafts
- Large-surface marking options
- Even if fully wired, the level offset offers unobstructed access to the lower connection level



2.5 (4) mm², 32 A, double-level terminal block

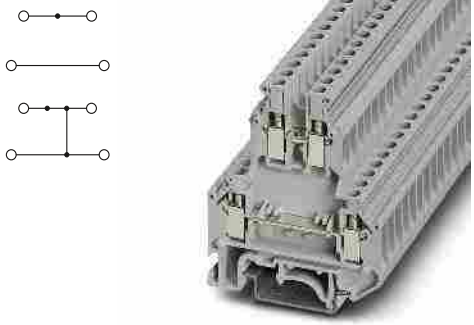


2.5 (4) mm², 32 A, double-level terminal block, both levels can be bridged

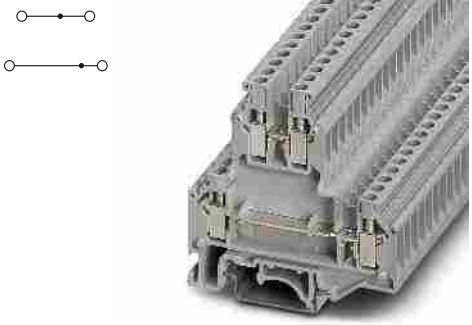
Technical data					Technical data			
Dimensions	Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
[mm]	**5.2**	**56**	**62**		**5.2**	**67**	**62**	
Dimensions	Width	Length	Height NS 32		Width	Length	Height NS 32	
[mm]	**5.2**	**56**	**67**		**5.2**	**67**	**67**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	32	**500**	**0.2 - 4**	**28-12**	**32**	**500**	**0.2 - 4**	**28-12**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	300	-	500	600	300	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	25 / -	-	24 / 2.5	20 / -	25 / -	-
Rated cross section [mm²]	2.5	-	-	-	2.5	-	-	-
Cross section range AWG	24 - 12	28-12	28-12	-	24 - 12	28-12	28-12	-
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
2 conductors (of the same type) [mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1	-	-	-	0.5 - 1
Max. cross section with insertion bridge [mm²]	2.5	2.5	-	-	2.5	2.5	-	-
General data								
Stripping length [mm]	8				8			
Screw thread	M3				M3			
Tightening torque [Nm]	0.5 - 0.6				0.5 - 0.6			
Insulating material	PA				PA			
Flammability rating in accordance with UL 94	V0				V0			

Description	No. of pos.	Color	Ordering data Type	I_{max}	Order No.	Pcs./Pkt.
Double-level terminal block, for mounting on NS 35... and NS 32...		gray	**UKK 3**		2770011	50
		blue	**UKK 3 BU**		2770095	50
Double-level terminal block, for mounting on NS 35... and NS 32..., with equipotential bonding between the levels		gray				
Accessories						
Cover, width: 2.5 mm		gray	**D-UKK 3/5**		2770024	50
		blue	**D-UKK 3/5 BU**		2770105	50
Spacer plate, compensates for level offsets, width: 2.5 mm		gray	**DP-UKK 3/5**		2770794	50
Fixed bridge, isolated						
	2	silver	**FBRNI 2-5 N**	28 A	3000175	10
	3	silver	**FBRNI 3-5 N**	28 A	3000162	10
	4	silver	**FBRNI 4-5 N**	28 A	3000159	10
	10	silver	**FBRNI 10-5 N**	28 A	2770639	10
Insertion bridge, insulated						
	2	gray				
	3	gray				
	10	gray	**EBL 10- 5**	22 A	2303132	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**						
	10	silver				
Bridge bar isolator, as distance piece for isolator bridge bar		gray				
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		2770215	50
Partition plate, 2.5 mm wide		gray	**ATP-UKK 3/5**		2778521	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**ZB 5 (see Catalog 3)**			

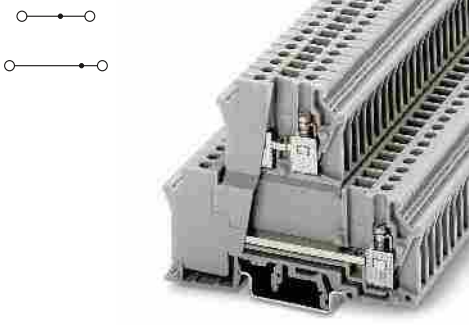
Ordering data Type	I_{max}	Order No.	Pcs./Pkt.
UKKB 3		2771010	50
UKKB 3 BU		2771094	50
Accessories			
D-UKKB 3/5		2771023	50
D-UKKB 3/5 BU		2771104	50
DP-UKKB 3/ 5		2770804	50
FBRNI 2-5 N	28 A	3000175	10
FBRNI 3-5 N	28 A	3000162	10
FBRNI 4-5 N	28 A	3000159	10
FBRNI 10-5 N	28 A	2770639	10
EBL 10- 5	22 A	2303132	10
TS-KK 3		2770215	50
ATP-UKKB 3		2771065	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 5 (see Catalog 3)			



4 (4) mm², 32 A, double-level terminal block



4 (4) mm², 32 A, double-level terminal block, both levels can be bridged



4 (4) mm², 32 A, 800 V, double-level terminal block, both levels can be bridged

EAC KEMA KEUR

EAC KEMA KEUR

Ex: EAC Ex

Technical data

Width	Length	Height NS 35/7,5	
6.2	**56**	**62**	
Width	Length	Height NS 32	
6.2	**56**	**67**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**500**	**0.2 - 4**	**26-10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	300	-
32 / 4	30 / -	30 / -	-
4	-	-	-
24 - 12	26-10	28-10	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
4	2.5	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
6.2	**67**	**62**	
Width	Length	Height NS 32	
6.2	**67**	**67**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**500**	**0.2 - 4**	**26-10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	300	-
32 / 4	30 / -	25 / -	-
4	-	-	-
24 - 12	26-10	28-10	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
4	2.5	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
6.2	**84.5**	**64**	
Width	Length	Height NS 32	
6.2	**84.5**	**69**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**800**	**0.2 - 4**	**28-12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	750
32 / 4	20 / -	-	27
4	-	-	-
24 - 12	28-12	-	0.2-4
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	-
-	-	-	0.5 - 1.5
4	2.5	-	-
8			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UKK 5		2774017	50
UKK 5 BU		2774091	50
UKK 5-PV		2791388	50

Accessories

D-UKK 3/5		2770024	50
D-UKK 3/5 BU		2770105	50
DP-UKK 3/5		2770794	50
FBI 10- 6	32 A	0203250	10
EB 2- 6	28 A	0201155	100
EB 3- 6	28 A	0201142	100
EB 10- 6	28 A	0201139	10
ISSBI 10- 6	24 A	0301505	10
IS-K 4		1302338	100
TS-KK 3		2770215	50
ATP-UKK 3/5		2778521	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

ZB 6 (see Catalog 3)

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UKKB 5		2771146	50
UKKB 5 BU		3216053	50

Accessories

D-UKKB 3/5		2771023	50
D-UKKB 3/5 BU		2771104	50
DP-UKKB 3/ 5		2770804	50
FBI 10- 6	32 A	0203250	10
EB 2- 6	28 A	0201155	100
EB 3- 6	28 A	0201142	100
EB 10- 6	28 A	0201139	10
ISSBI 10- 6	24 A	0301505	10
IS-K 4		1302338	100
TS-KK 3		2770215	50
ATP-UKKB 3		2771065	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

ZB 6 (see Catalog 3)

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UXKK 4		2780014	50

Accessories

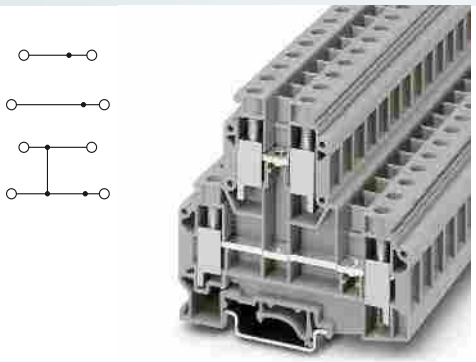
FBI 10- 6	24 A	0203250	10

ZB 6 (see Catalog 3)

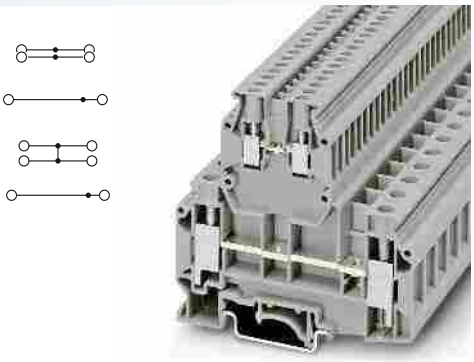
Double-level terminal blocks UKKB 10 ...

– Can be bridged on both levels for all potential distribution tasks
– Design width of just 10.2 mm
– One of the special features of the UKKB 10/2,5 is that it allows two 2.5 mm² conductors to be connected in the upper level

Notes:
UKKB 10-PV: 70 A / 500 V



10 (16) mm², 76 A, double-level terminal block



10 (16) mm², 76 A, double-level terminal block, upper level with 2 x 2.5 mm² feed-through terminal blocks

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**10.2**	**77.5**	**73**	
Dimensions	Width	Length	Height NS 32	
[mm]	**10.2**	**77.5**	**78**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	76	**500**	**0.5 - 16**	**24-6**
Rated data lower level	IEC 60947-7-1			
	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	300	-
Nominal current / cross section [A] / [mm²]	57 / 10	65 / -	65 / -	-
Rated cross section [mm²]	10	-	-	-
Cross section range AWG	20 - 6	24-6	24-6	-
Connection capacity, lower level	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
2 conductors (of the same type) [mm²]	0.5 - 6	0.5 - 4	0.5 - 6	-
2 flexible conductors with a TWIN ferrule [mm²]				0.5 - 6
Rated data, upper level	IEC 60947-7-1			
	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	300	-
Nominal current / cross section [A] / [mm²]	57 / 10	65 / -	65 / -	-
Rated cross section [mm²]	10	-	-	-
Cross section range AWG	20 - 6	24-6	24-6	-
Connection capacity, upper level	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
2 conductors (of the same type) [mm²]	0.5 - 6	0.5 - 4	0.5 - 6	-
Two conductors with a TWIN ferrule [mm²]				0.5 - 6
General data				
Stripping length, lower / upper level [mm]	11 / 11			
Thread, lower / upper level	M4 / M4			
Tightening torque, lower / upper level [Nm]	1.5 - 1.8 / 1.5 - 1.8			
Insulating material	PA			
Flammability rating in accordance with UL 94	V0			

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**10.2**	**77.5**	**73**	
Dimensions	Width	Length	Height NS 32	
[mm]	**10.2**	**77.5**	**78**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	76	**500**	**0.5 - 16**	**24-6**
Rated data lower level	IEC 60947-7-1			
	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	300	-
Nominal current / cross section [A] / [mm²]	57 / 10	65 / -	65 / -	-
Rated cross section [mm²]	10	-	-	-
Cross section range AWG	20 - 6	24-6	24-6	-
Connection capacity, lower level	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
2 conductors (of the same type) [mm²]	0.5 - 6	0.5 - 4	0.5 - 6	-
2 flexible conductors with a TWIN ferrule [mm²]				0.5 - 6
Rated data, upper level	IEC 60947-7-1			
	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500	600	300	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	20 / -	20 / -	-
Rated cross section [mm²]	10	-	-	-
Cross section range AWG	24 - 12	30-12	28-12	-
Connection capacity, upper level	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
2 conductors (of the same type) [mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1	-
Two conductors with a TWIN ferrule [mm²]				0.5 - 1.5
General data				
Stripping length, lower / upper level [mm]	11 / 8			
Thread, lower / upper level	M4 / M3			
Tightening torque, lower / upper level [Nm]	1.2 - 1.8 / 0.5 - 0.8			
Insulating material	PA			
Flammability rating in accordance with UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**UKKB 10**		2772077	50
Terminal block, with equipotential bonder, for mounting on NS 32 ... or NS 35...		gray	**UKKB 10-PV**		3003567	50

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UKKB 10/2,5		2771007	50
UKKB 10/2,5-PV		2775485	50

Accessories

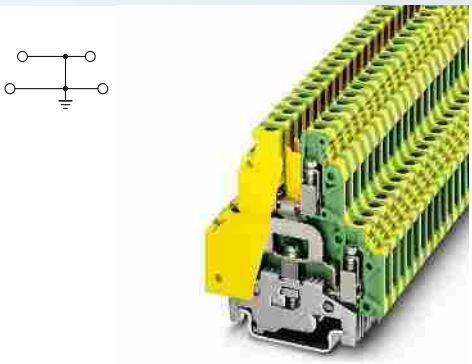
Cover, width: 1.5 mm		gray	**D-UKKB 10**		3001394	50
Fixed bridge, isolated	10	silver				
Fixed bridge, for cross connections in the terminal center, screw heads with insulating collar, divisible, with 10 screws	10	silver	**FBI 10-10**	70 A	0203276	10
Chain bridge, with screw	1	silver	**KB- 10**	70 A	0203205	100
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10-10**	38 A	0301521	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 10**		1303337	100
Screwdriver			**SZS 1,0X4,0 VDE**		1205066	10
Labeling for upper level			**ZB 10 (see Catalog 3)**			
Labeling for lower level			**ZB 10 (see Catalog 3)**			

Accessories

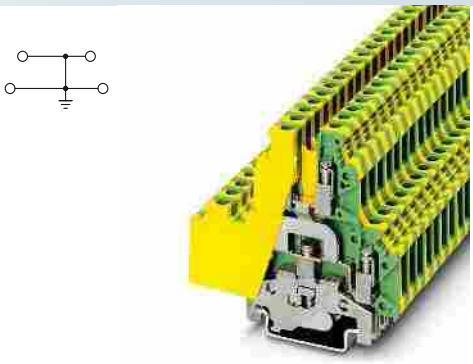
D-UKKB 10		3001394	50
FBRI 10-5 N	26 A	2770642	10
FBI 10-10	70 A	0203276	10
KB- 10	70 A	0203205	100
ISSBI 10-10	38 A	0301521	10
IS-K 10		1303337	100
SZS 1,0X4,0 VDE		1205066	10
ZB 5 (see Catalog 3)			
ZB 10 (see Catalog 3)			

Double-level ground terminal blocks UKK 5-PE and UKKB 5-PE

- Same shape and pitch as the feed-through terminal blocks
- Even if fully wired, the level offset offers unobstructed access to the lower connection level
- Universal ground conductor foot for mounting on NS 35 ...- or NS 32 ... DIN rails (with the exception of NS 35/15-2,3)



4 (4) mm², double-level ground terminal block



4 (4) mm², double-level ground terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**56**	**62**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**56**	**67**	
Maximum electrical data				max. Ø [mm²]	AWG (UL)
				0.2 - 4	**24-10**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	- / -	-	- / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	24-10	28-10	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	[mm²]	-	-	-	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
General data					
Stripping length	[mm]	8			
Terminal point: Thread / torque	- / [Nm]	M3 / 0.6 - 0.8			
Mounting: Thread / torque	- / [Nm]	PE foot with mounting screw, M3 / 0.6 - 0.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V2			

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Ground terminal block, for mounting on NS 32... or NS 35...	green-yellow	**UKK 5-PE**	2774211	50

Accessories

Screwdriver	**SF-SL 0,6X3,5-100 S-VDE**	1212587	10
Lateral groove labeling	**ZB 6 (see Catalog 3)**		

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**67**	**62**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**67**	**67**	
Maximum electrical data				max. Ø [mm²]	AWG (UL)
				0.2 - 4	**24-10**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	- / -	-	- / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	24-10	28-10	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	[mm²]	-	-	-	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
General data					
Stripping length	[mm]	8			
Terminal point: Thread / torque	- / [Nm]	M3 / 0.6 - 0.8			
Mounting: Thread / torque	- / [Nm]	PE foot with mounting screw, M3 / 0.6 - 0.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V2			

Ordering data

Type	Order No.	Pcs./Pkt.
UKKB 5-PE	3007123	50

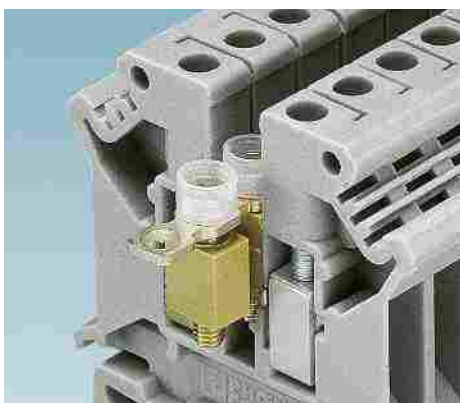
Accessories

SF-SL 0,6X3,5-100 S-VDE	1212587	10
ZB 6 (see Catalog 3)		

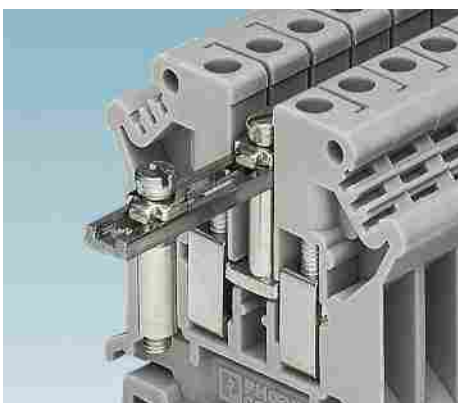
Cross-reference list – Bridges

Type	Order No.	UK 2,5 N Page 459	UK 3 N Page 459	UK 5 N Page 459	UK 6 N Page 460	UK 10 N Page 461	UK 16 N Page 461	UK 35 N Page 461
Isolator bridge bar, in conjunction with isolator bridge								
ISSBI 10-5	3026256	■	■					
ISSBI 10-6	0301505			■				
ISSBI 10-8	0301534				■			
ISSBI 10-10	0301521					■		
Isolator bridge, in conjunction with isolator bridge bar								
IS-K 2,5	3026243	■	■					
IS-K 4	1302338			■				
IS-K 10	1303337				■	■		
Cross connection bar, in conjunction with distance piece								
FB 150	0201595	■	■	■				
Distance piece, in connection with cross connection bar								
ZS-6	0201605							
ZSR	2303608	■	■	■				
L-bridge, 10-pos.								
LB 10-6 GY	0202358			■				
LB 10-6 BU	0202280			■				
L-bridge, 100-pos.								
LB 100-6 GY	0202345			■				
LB 100-6 BU	0202303			■				
Chain bridge								
KB 6	0201472			■				
KB 8	0202206				■			
KB 10	0203205					■		
KB 15	0204259							■

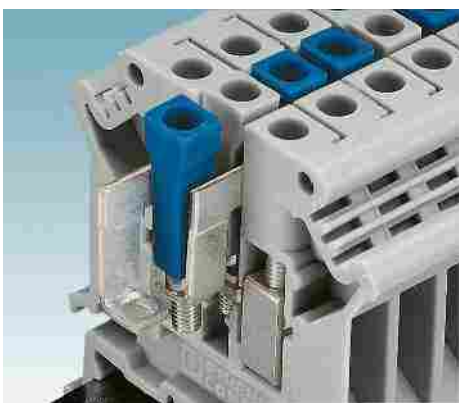
Isolator bridge bar ISSBI ...



Cross connection bar FB ...



L-bridge LB ...



UK 3-TWIN Page 466	UK 5-TWIN Page 467	UK 10-TWIN Page 467	UDK 3 Page 470	UDK 4 Page 471	UKK 3 Page 472	UKKB 3 Page 472	UKK 5 Page 473	UKKB 5 Page 473	UKKB 10 Page 474
■			■		■	■			
	■			■			■	■	
		■							■
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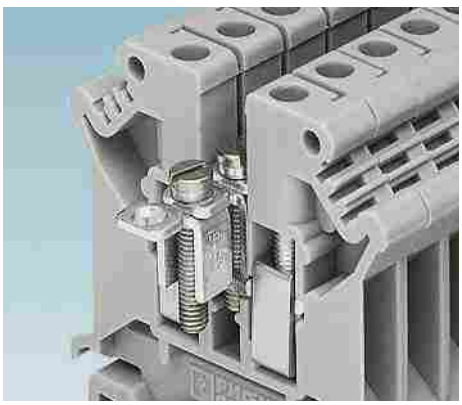
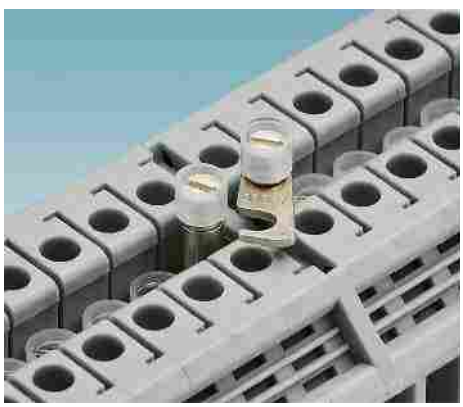
Chain bridge KB ...



Cross-reference list – Bridges

Type	Order No.	UK 2,5 N Page 459	UK 3 N Page 459	UK 5 N Page 459	UK 6 N Page 460	UK 10 N Page 461	UK 16 N Page 461	UK 35 N Page 461
Bridge bar across two terminal blocks								
USBR 2-7	2303239	■	■	■				
SB 2-8/13	0202235				■			
SB 2-10/15	0203234					■	■	
Bridge bar for bridged terminal block groups								
USBRJ 2-7	2305538	■	■	■				
SBJ 2-8/13	0303286				■			
SBJ 2-10/15	0302287					■	■	
Star-delta bridge								
EB 3-6/ST	5020807			■				
EB 6-6/DR	5020255			■				
EB 3-8/ST	5020810				■			
EB 3-8/DR	5020768				■			
EB 3-10/ST	5020823					■		
EB 6-10/DR	5020771					■		
Step bracket								
STL 10N/5N	0204110			■		■		
Short-circuit plug								
KSS 5	2303543		■					
KSS 6	0301547			■				
KSS 3-6	0309523			■				
KSS 8	0311540				■			
KSS 10	0310541					■		

Bridge bar USBR ..., SB ...



Star bridge EB .../ST

Delta bridge EB .../DR

UK 3-TWIN Page 466	UK 5-TWIN Page 467	UK 10-TWIN Page 467	UDK 3 Page 470	UDK 4 Page 471	UKK 3 Page 472	UKKB 3 Page 472	UKK 5 Page 473	UKKB 5 Page 473	UKKB 10 Page 474
■	■		■	■	■	■	■	■	
		■							■
■	■		■	■	■	■	■	■	
		■							■
	■			■			■	■	
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		■							■
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■			■		■	■			
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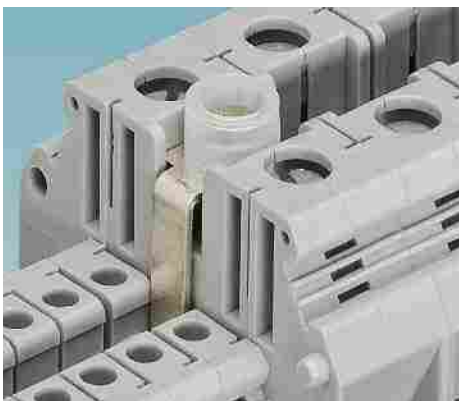
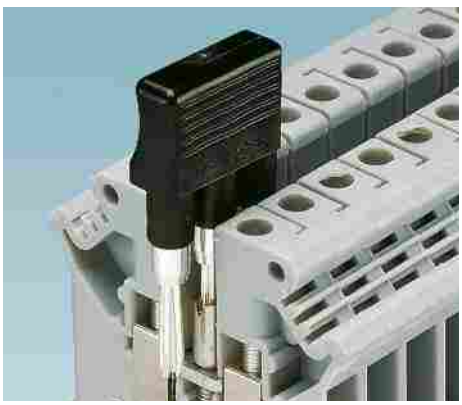
	■			■			■	■	
		■							■

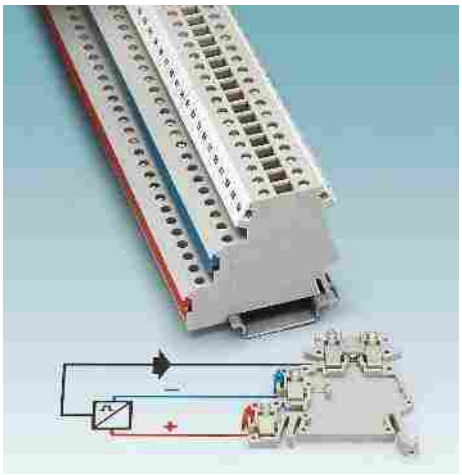
Step bracket STL ...



Short-circuit plug KSS ...



Three-level and three-conductor initiator terminal blocks DIK 1,5 ... and DIKD 1,5 ...



In order to reduce wiring effort, conductors of initiators and actuators are wired in junction boxes. The positive and negative connections are combined so that all that remains is to install the signal lines and a conductor pair for the power supply between the junction box and controller.

DIK 1,5

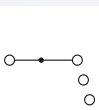
– The feed-through connections for the signal line, which can be marked, are in the top level
– The two bottom terminal points supply the initiator with potential
– The lower terminal points can be bridged using a divisible insertion bridge

DIKD 1,5

– The positive and negative potential can be fed into the insertion bridges via this power terminal block
– The first initiator can also be connected to this three-conductor feed-through terminal block

DIKD 1,5-PV

– Space-saving potential distributor terminal block
– Bridgeable upper level makes potential distribution over more than 6 terminal points possible
– The potential distributor terminal block is available with a gray, blue or black insulating housing for clear potential demarcation



2.5 (4) mm², 26 A, three-conductor initiator terminal block

EAC

Technical data

Dimensions			
Width	Length	Height NS 35/7,5	
6.2	**55**	**54.5**	
[mm]			
Maximum electrical data			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
26	**250**	**0.2 - 4**	**30-14**
Rated data	IEC 60947-7-1		
	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	250	300	300	-
Nominal current / cross section [A] / [mm²]	24 / 2.5	15 / -	15 / -	-
Rated cross section [mm²]	2.5	-	-	-
Cross section range AWG	24 - 12	30-14	28-14	-
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type) [mm²]	0.2 - 1	0.2 - 1	0.25 - 1	-
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1
Max. cross section with insertion bridge [mm²]	4	2.5	-	-
General data				
Stripping length [mm]	8			
Screw thread	M3			
Tightening torque [Nm]	0.5 - 0.6			
Insulating material	PA			
Flammability rating in accordance with UL 94	V2			

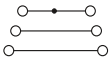
Ordering data

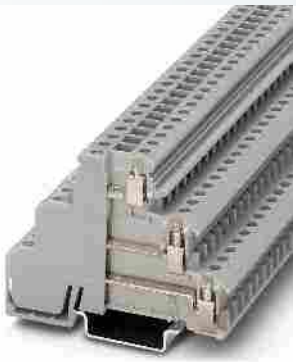
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 35...		gray	**DIK 1,5**		2715966	50
		blue	**DIK 1,5 BU**		2716059	50
Terminal block, with three through contacts, for mounting on NS 35...		gray				
		blue				
Terminal block, with through contacts in the upper and middle levels, for mounting on NS 35...		gray				
Terminal block, with equipotential bonder, for mounting on NS 35...		gray				
		blue				
		black				

Accessories

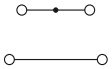
Fixed bridge, isolated						
	10	silver	**FBI 10- 6**	24 A	0203250	10
Insertion bridge, for middle and lower levels						
	10	blue	**EB 10- DIK BU**	24 A	2716680	10
	10	red	**EB 10- DIK RD**	24 A	2716774	10
	10	gray	**EB 10- DIK GY**	24 A	2715937	10
	80	blue	**EB 80- DIK BU**	24 A	2715940	1
	80	red	**EB 80- DIK RD**	24 A	2715953	1
	80	white	**EB 80- DIK WH**	24 A	2715788	1
Partition plate, 2 mm width		gray	**ATP-DIK 1,5**		1413272	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10

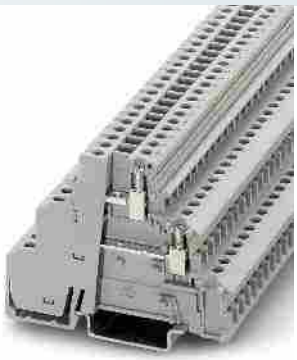
Marker strips, for middle and lower level	**SK 6,2/3,8 (see Catalog 3)**
Labeling for upper level	**ZB 6 (see Catalog 3)**



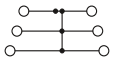


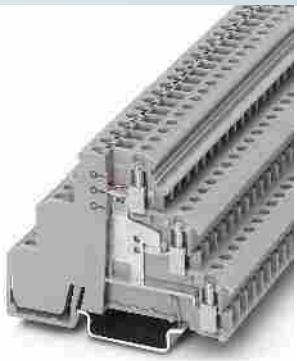
2.5 (4) mm², 30 A, three-level terminal block





2.5 (4) mm², 30 A, three-level terminal block with two feed-through levels





2.5 (4) mm², 32 A, three-level terminal block, internally connected levels

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30	**250**	**0.2 - 4**	**30-14**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
DIKD 1,5		2715979	50
DIKD 1,5 BU		2716101	50

Accessories

FBI 10- 6	24 A	0203250	10
EB 10- DIK BU	24 A	2716680	10
EB 10- DIK RD	24 A	2716774	10
EB 10- DIK GY	24 A	2715937	10
EB 80- DIK BU	24 A	2715940	1
EB 80- DIK RD	24 A	2715953	1
EB 80- DIK WH	24 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

SK 6,2/3,8 (see Catalog 3)

ZB 6 (see Catalog 3)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30	**250**	**0.2 - 4**	**30-14**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	-	-
24 / 2.5	15 / -	-	-
2.5	-	-	-
24 - 12	30-14	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
DIKD 1,5-2D		2716512	50

Accessories

FBI 10- 6	24 A	0203250	10
EB 10- DIK BU	24 A	2716680	10
EB 10- DIK RD	24 A	2716774	10
EB 10- DIK GY	24 A	2715937	10
EB 80- DIK BU	24 A	2715940	1
EB 80- DIK RD	24 A	2715953	1
EB 80- DIK WH	24 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

SK 6,2/3,8 (see Catalog 3)

ZB 6 (see Catalog 3)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**250**	**0.2 - 4**	**30-14**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
DIKD 1,5-PV		2715092	50
DIKD 1,5-PV BU		2715584	50
DIKD 1,5-PV BK		2715571	50

Accessories

FBI 10- 6	24 A	0203250	10
EB 10- DIK BU	24 A	2716680	10
EB 10- DIK RD	24 A	2716774	10
EB 10- DIK GY	24 A	2715937	10
EB 80- DIK BU	24 A	2715940	1
EB 80- DIK RD	24 A	2715953	1
EB 80- DIK WH	24 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

SK 6,2/3,8 (see Catalog 3)

ZB 6 (see Catalog 3)

Three-level and three-conductor initiator terminal blocks with LED display DIK 1,5 ...

– Terminal blocks with LED displays in red and green are available for optical identification of the initiator and actuator wiring

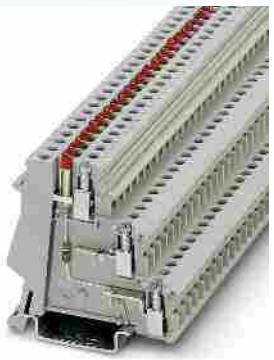
Notes:

1) Current and voltage are determined by the plug used.

2) Light indicator: Voltage 15 - 30 V DC, current 1 - 2.5 mA.

3) The corresponding accessory is documented, see page 508.

2.5 (4) mm², 26 A, three-conductor terminal block with LED display



2.5 (4) mm², 26 A, three-conductor terminal block with LED display

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**55**	**54.5**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		26	**24**	**0.2 - 4**	**30-14**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	24	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	30-14	28-14	-
Disconnect level rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	-	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1
Max. cross section with insertion bridge	[mm²]	4	2.5	-	-
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Flammability rating in accordance with UL 94		V2			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**55**	**54.5**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		26	**24**	**0.2 - 4**	**30-14**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	24	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	30-14	28-14	-
Disconnect level rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	-	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1
Max. cross section with insertion bridge	[mm²]	4	2.5	-	-
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Flammability rating in accordance with UL 94		V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, with a red LED between the upper and middle level, for mounting on NS 35...2)		gray	**DIK 1,5-LA 24RD/O-M**		2715856	50
Green LED		gray	**DIK 1,5-LA 24GN/O-M**		2715762	50
Terminal block, with a red LED between the upper and lower level, for mounting on NS 35...2)		gray				
Green LED		gray				
Terminal block, with three through contacts and a red LED between the upper and middle level, for mounting on NS 35...2)		gray				
Green LED		gray				
Terminal block, with three through contacts and a red LED between the upper and lower level, for mounting on NS 35...2)		gray				
Green LED		gray				
Basic terminal block, for mounting on NS 35...3)		gray				

Ordering data

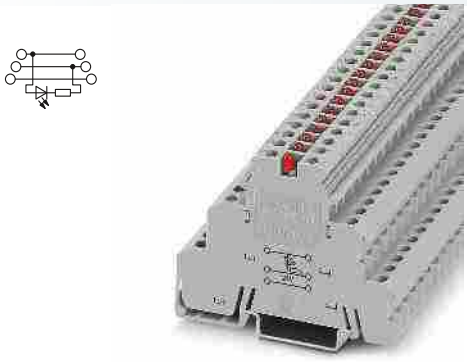
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
DIK 1,5-LA 24RD/U-O					2715995	50
DIK 1,5-LA 24GN/U-O					2715733	50

Accessories

Insertion bridge, for middle and lower levels						
	80	blue	**EB 80- DIK BU**	24 A	2715940	1
	80	red	**EB 80- DIK RD**	24 A	2715953	1
	80	white	**EB 80- DIK WH**	24 A	2715788	1
Partition plate, 2 mm width		gray	**ATP-DIK 1,5**		1413272	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Marker strips, for middle and lower level			**SK 6,2/3,8 (see Catalog 3)**			
Labeling for upper level			**ZB 6 (see Catalog 3)**			

Accessories

	80	blue	**EB 80- DIK BU**	24 A	2715940	1
	80	red	**EB 80- DIK RD**	24 A	2715953	1
	80	white	**EB 80- DIK WH**	24 A	2715788	1
			ATP-DIK 1,5		1413272	50
			SF-SL 0,6X3,5-100 S-VDE		1212587	10
			SK 6,2/3,8 (see Catalog 3)			
			ZB 6 (see Catalog 3)			



2.5 (4) mm², 30 A, three-level terminal block with LED

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30	**250**	**0.2 - 4**	**30-14**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

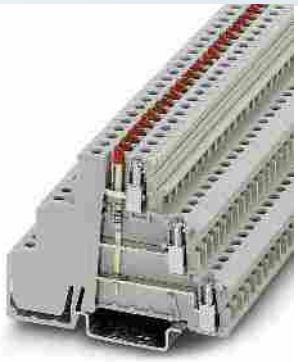
Type	I_{max}	Order No.	Pcs./Pkt.
DIKD 1,5-LA 24RD/O-M		2715814	50
DIKD 1,5-LA 24GN/O-M		2716376	50

Accessories

EB 80- DIK BU	24 A	2715940	1
EB 80- DIK RD	24 A	2715953	1
EB 80- DIK WH	24 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

SK 6,2/3,8 (see Catalog 3)

ZB 6 (see Catalog 3)



2.5 (4) mm², 30 A, three-level terminal block with LED

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30	**250**	**0.2 - 4**	**30-14**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
DIKD 1,5-LA 24RD/U-O		2716279	50
DIKD 1,5-LA 24GN/U-O		2716402	50

Accessories

EB 80- DIK BU	24 A	2715940	1
EB 80- DIK RD	24 A	2715953	1
EB 80- DIK WH	24 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

SK 6,2/3,8 (see Catalog 3)

ZB 6 (see Catalog 3)

2.5 (4) mm², 15 A, three-level terminal block with disconnect zone

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
15[1])	**250[1])**	**0.2 - 4**	**30-14**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250[1])	300	300	-
15[1]) / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
15[1]) / 2.5	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
DIKD 1,5-TG		2774237	50

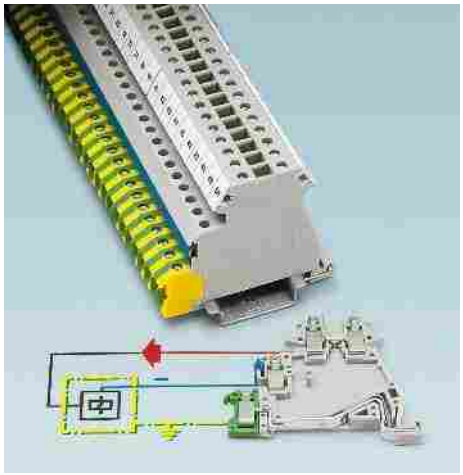
Accessories

EB 80- DIK BU	24 A	2715940	1
EB 80- DIK RD	24 A	2715953	1
EB 80- DIK WH	24 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

SK 6,2/3,8 (see Catalog 3)

ZB 6 (see Catalog 3)

Three-level and three-conductor actuator terminal blocks with PE foot DOK 1,5 ...



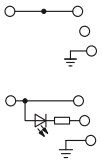
- Same shape as the three-level initiator terminal blocks DIK ...
- The feed-through connections for the signal line, which can be marked, are in the top level
- The middle level supplies the connected actuators with voltage
- Unlike the DIK terminal blocks, the lower level of these output terminal blocks makes direct contact with the DIN rail and as a PE connection they are marked green-yellow
- Convenient bridging of up to 80 terminal blocks with divisible insertion bridges
- The forks of the insertion bridge can be easily loosened for jumping bridging
- Alternate wiring of an actuator followed by an initiator is easy
- Because the spine of the insertion bridge can be snapped into place with the terminal block housing, all the terminal points can be wired freely and the bridge can be securely positioned
- Terminal blocks with LED displays in red and green are available for optical identification of the initiator and actuator wiring
- The component terminal block DOKD 1,5-TG can accommodate the fuse connector or the isolating connector

Notes:

[1]) Current and voltage are determined by the plug used.

[2]) Light indicator: Voltage 15 - 30 V DC, current 1 - 2.5 mA.

[3]) The corresponding accessory is documented, see page 508.



2.5 (4) mm², 26 A, three-conductor actuator terminal block with PE foot

Technical data

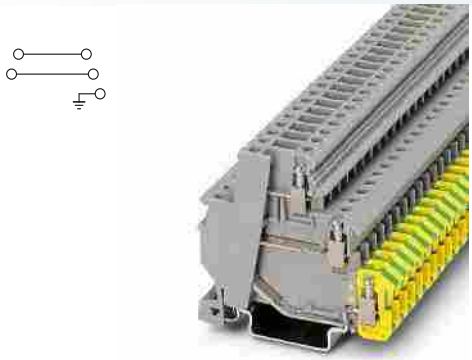
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**61.5**	**54.5**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		26	**250**	**0.2 - 4** / **30-14**
Rated data		IEC 60947-7-1/IEC 60947-7-2		
		IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	250	300	300 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 12	30-14	28-14 / -
Disconnect level rated data		IEC	UL / CUL	CSA / IEC/EN 60079-7
Nominal current / cross section	[A] / [mm²]	-	-	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5 / 0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1
Max. cross section with insertion bridge	[mm²]	4	2.5	- / -
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Flammability rating in accordance with UL 94		V2		

Ordering data

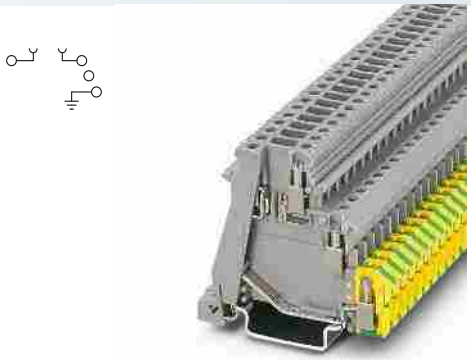
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 35...		gray	**DOK 1,5**		2717016	50
Terminal block, with **red (RD)** LED between the upper and middle levels, for mounting on NS 35...[2])		gray	**DOK 1,5-LA 24RD/O-M**		2717029	50
Terminal block, with **green (GN)** LED between the upper and middle levels, for mounting on NS 35...[2])		gray	**DOK 1,5-LA 24GN/O-M**		2717074	50
Terminal block, with through contacts in the upper and lower levels, for mounting on NS 35...		gray				
Basic terminal block, for mounting on NS 35...[3])		gray				

Accessories

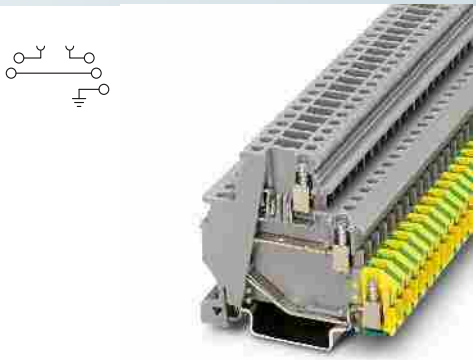
Insertion bridge, for middle and lower levels, fully insulated						
	10	gray	**EB 10- DIK GY**	26 A	2715937	10
	10	red	**EB 10- DIK RD**	26 A	2716774	10
	10	blue	**EB 10- DIK BU**	26 A	2716680	10
	80	blue	**EB 80- DIK BU**	26 A	2715940	1
	80	red	**EB 80- DIK RD**	26 A	2715953	1
	80	white	**EB 80- DIK WH**	26 A	2715788	1
Fixed bridge, isolated						
	10	silver	**FBI 10- 6**	26 A	0203250	10
Partition plate, 2 mm width		gray	**ATP-DIK 1,5**		1413272	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Marker strips, for middle and lower level			**SK 6,2/3,8 (see Catalog 3)**			
Labeling for upper level			**ZB 6 (see Catalog 3)**			



2.5 (4) mm², 26 A, three-level terminal block with PE foot



2.5 (4) mm², 16 A, three-conductor actuator terminal block with disconnect zone and PE foot



2.5 (4) mm², 26 A, three-level terminal block with disconnect zone and PE foot

EAC

Technical data

Width	Length	Height NS 35/7,5	
6.2	**62.5**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
26	**250**	**0.2 - 4**	**30-14**
IEC 60947-7-1/IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
DOK 1,5-2D		2717139	50

Accessories

EB 10- DIK GY	26 A	2715937	10
EB 10- DIK RD	26 A	2716774	10
EB 10- DIK BU	26 A	2716680	10
EB 80- DIK BU	26 A	2715940	1
EB 80- DIK RD	26 A	2715953	1
EB 80- DIK WH	26 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10
SK 6,2/3,8 (see Catalog 3)			
ZB 6 (see Catalog 3)			

EAC

Technical data

Width	Length	Height NS 35/7,5	
6.2	**61**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
16[1])	**250[1])**	**0.2 - 4**	**30-14**
IEC 60947-7-1/IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250[1])	300	300	-
16[1]) / 1.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16[1])	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
DOK 1,5-TG		2717113	50

Accessories

EB 10- DIK GY	26 A	2715937	10
EB 10- DIK RD	26 A	2716774	10
EB 10- DIK BU	26 A	2716680	10
EB 80- DIK BU	26 A	2715940	1
EB 80- DIK RD	26 A	2715953	1
EB 80- DIK WH	26 A	2715788	1
ATP-DIK 1,5		1413272	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10
SK 6,2/3,8 (see Catalog 3)			
ZB 6 (see Catalog 3)			

EAC

Technical data

Width	Length	Height NS 35/7,5	
6.2	**63**	**54.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
26[1])	**250[1])**	**0.2 - 4**	**30-14**
IEC 60947-7-1/IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250[1])	300	300	-
24[1]) / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16[1])	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

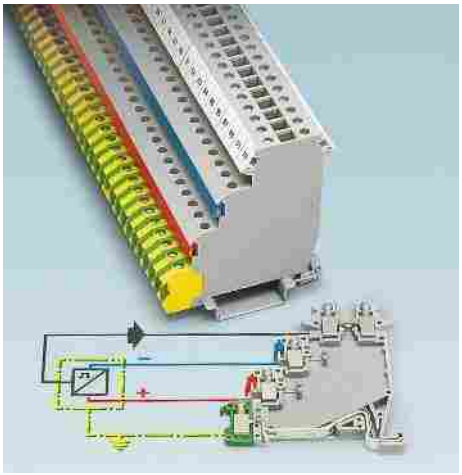
Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
DOKD 1,5-TG		3011054	50

Accessories

EB 10- DIK GY	26 A	2715937	10
EB 10- DIK RD	26 A	2716774	10
EB 10- DIK BU	26 A	2716680	10
EB 80- DIK BU	26 A	2715940	1
EB 80- DIK RD	26 A	2715953	1
EB 80- DIK WH	26 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10
SK 6,2/3,8 (see Catalog 3)			
ZB 6 (see Catalog 3)			

Four-conductor initiator and actuator terminal blocks VIOK 1,5 ...



VIOK 1,5

– This terminal block is a combination of a DIK ... and DOK ... terminal block where just one terminal block can be used for initiators and actuators
– The feed-through connections for the signal line, which can be marked, are in the top level
– The two middle terminal points supply potential to the initiator
– The PE connection is on the lower level

VIOK 1,5-2D

– This terminal block has two feed-through levels and two busbar levels
– It is used for programmable or self-monitoring initiators which are additionally controlled via the second feed-through level

VIOK 1,5-D/TG/D/PE

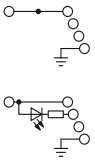
– Here a plug division is integrated in the second level from above. Therefore, the positive potential of the initiator can be transmitted via a fuse plug or – for maintenance and test purposes – via an isolating plug

Notes:

1) Current and voltage are determined by the plug used.

2) When using EB insertion bridges, the nominal voltage is reduced to 250 V.

3) The corresponding accessory is documented, see page 508.



2.5 (4) mm², 26 A, four-conductor actuator terminal block with PE foot

EAC

Technical data

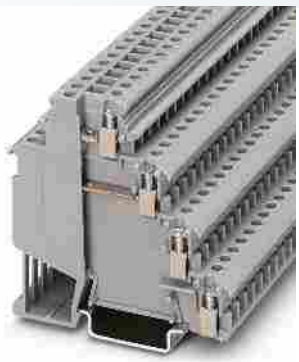
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**62.5**	**70**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		26	**250**	**0.2 - 4** / **30-14**
Rated data		IEC 60947-7-1/IEC 60947-7-2		
		IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	250	300	300 / -
Nominal current / cross section	[A] / [mm²]	24 / 2.5	15 / -	15 / - / -
Rated cross section	[mm²]	2.5	-	- / -
Cross section range	AWG	24 - 12	30-14	28-14 / -
Disconnect level rated data		IEC	UL / CUL	CSA / IEC/EN 60079-7
Nominal current / cross section	[A] / [mm²]	-	-	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5 / 0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1	0.25 - 1 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1
Max. cross section with insertion bridge	[mm²]	4	2.5	- / -
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Insulating material		PA		
Flammability rating in accordance with UL 94		V2		

Ordering data

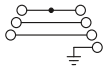
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 35...		gray	**VIOK 1,5**		2718015	50
Terminal block, with **red (RD)** LED between the upper level and the level below it, for mounting on NS 35...		gray	**VIOK 1,5-LA 24RD/O-MO**		2718028	50
Terminal block, with two through contacts, for mounting on NS 35...		gray				
Terminal block, with three through contacts, for mounting on NS 35...		gray				
Basic terminal block, with two through contacts, for mounting on NS 35...3)		gray				

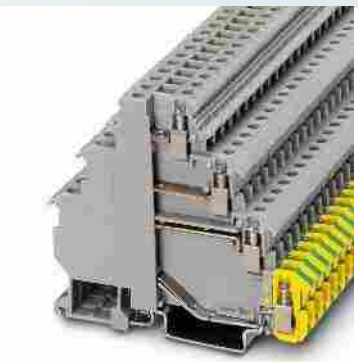
Accessories

Insertion bridge, for middle and lower levels, fully insulated						
	10	gray	**EB 10- DIK GY**	26 A	2715937	10
	10	red	**EB 10- DIK RD**	26 A	2716774	10
	10	blue	**EB 10- DIK BU**	26 A	2716680	10
	80	blue	**EB 80- DIK BU**	26 A	2715940	1
	80	red	**EB 80- DIK RD**	26 A	2715953	1
	80	white	**EB 80- DIK WH**	26 A	2715788	1
Fixed bridge, isolated						
	10	silver	**FBI 10- 6**	26 A	0203250	10
Partition plate, 2 mm width		gray	**ATP-DIK 1,5**		1413272	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Marker strips, for middle and lower level			**SK 6,2/3,8 (see Catalog 3)**			
Labeling for middle levels						
Labeling for upper level			**ZB 6 (see Catalog 3)**			

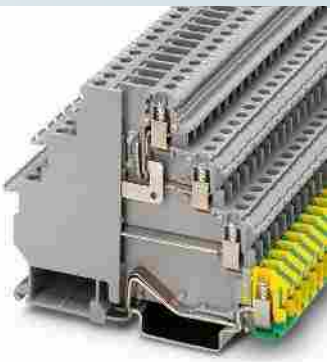


2.5 (4) mm², 26 A, four-conductor terminal block, both upper levels as feed-through levels





2.5 (4) mm², 26 A, four-level terminal block with PE foot



2.5 (4) mm², 24 A, four-level terminal block with PE foot, disconnect zone in third level

Technical data

Width	Length	Height NS 35/7,5	
6.2	**73**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
26	**250**	**0.2 - 4**	**30-14**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
0.2 - 1	0.2 - 1	0.25 - 1	-
-	-	-	0.5 - 1
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
VIOK 1,5-2D		2718196	50

Accessories

EB 10- DIK GY	26 A	2715937	10
EB 10- DIK RD	26 A	2716774	10
EB 10- DIK BU	26 A	2716680	10
EB 80- DIK BU	26 A	2715940	1
EB 80- DIK RD	26 A	2715953	1
EB 80- DIK WH	26 A	2715788	1
FBI 10- 6	26 A	0203250	10
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

SK 6,2/3,8 (see Catalog 3)

ZB 6 (see Catalog 3)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**82.5**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
26	**400[2])**	**0.2 - 4**	**30-14**
IEC 60947-7-1/IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[2])	300	300	-
24 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
-	-	-	-
-	-	-	-
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
VIOK 1,5-3D/PE		2718206	50

Accessories

EB 10- DIK GY	26 A	2715937	10
EB 10- DIK RD	26 A	2716774	10
EB 10- DIK BU	26 A	2716680	10
EB 80- DIK BU	26 A	2715940	1
EB 80- DIK RD	26 A	2715953	1
EB 80- DIK WH	26 A	2715788	1
FBI 10- 6	26 A	0203250	10
ATP-DIK 1,5		1413272	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

SK 6,2/3,8 (see Catalog 3)

ZB 6 (see Catalog 3)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**91.5**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24[1])	**250[1])**	**0.2 - 4**	**30-14**
IEC 60947-7-1/IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250[1])	300	300	-
24[1]) / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-14	-
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16 / 1.5	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
-	-	-	-
-	-	-	-
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
VIOK 1,5-D/TG/D/PE		3011067	50

Accessories

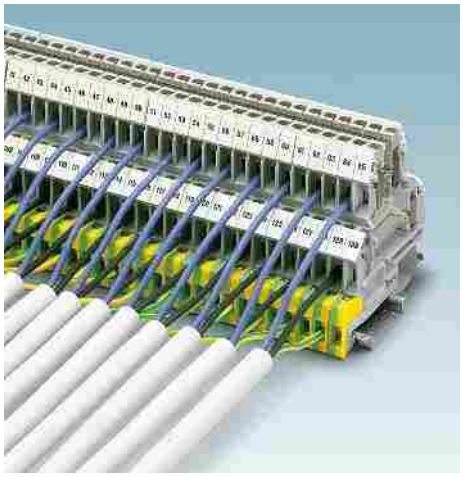
EB 10- DIK GY	26 A	2715937	10
EB 10- DIK RD	26 A	2716774	10
EB 10- DIK BU	26 A	2716680	10
EB 80- DIK BU	26 A	2715940	1
EB 80- DIK RD	26 A	2715953	1
EB 80- DIK WH	26 A	2715788	1
ATP-DIKD 1,5		1413285	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

SK 6,2/3,8 (see Catalog 3)

ZBF 6 (see Catalog 3)

ZB 6 (see Catalog 3)

Three and four-level terminal blocks with PE foot SLKK ... and DLK ...



Three-level terminal blocks SLKK 5 ...

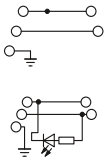
– With two laterally offset feed-through levels and ground connection to the DIN rail which acts as a grounding busbar
– This allows space-saving and systematic wiring of 3-wire conductors
– This is of advantage for controllers with external actuators, solenoid valves and limit switches
– The SLKK 5-LA...U-O with integrated LED display optically indicates the voltage condition of the lower feed-through level
– The FBI 10-6 fixed bridge is used on the upper level to connect the return lines for the LED displays and the external loads to form a common busbar

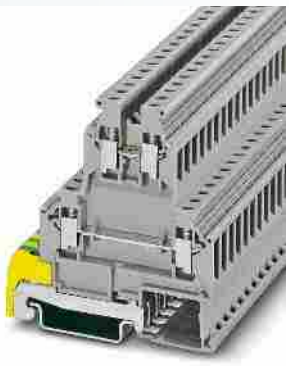
Four-level terminal blocks DLK ...

– The three-conductor terminal blocks DLK 2,5-PE and DLKB 2,5-PE are particularly suited to wiring three-phase current consumers due to their structure with three feed-through levels plus a PE connection
– To reduce the amount of wire used, the DLKB 2,5-PE can also be bridged in the middle and lower levels using the insertion bridges EB...DIK with up to 80 positions

Notes:

[1]) The voltage is determined by the LED display (only for SLKK 5-LA...)





4 (4) mm², 30 A, three-level terminal block with PE foot

EAC

Technical data

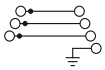
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		6.2	**66.5**	**69.5**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30	**500[1])**	**0.2 - 4** / **26-10**
Rated data		IEC 60947-7-1/IEC 60947-7-2		
		IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500[1])	600	300 / -
Nominal current / cross section	[A] / [mm²]	30 / 4	30 / -	25 / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 10	26-10	28-12 / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4 / 0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	4	2.5	- / -
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

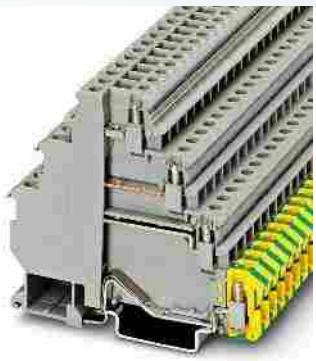
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Double-level terminal block, with protective conductor foot, for mounting on NS 35...		gray	**SLKK 5**		0461018	50
Double-level terminal block, with protective conductor foot, for mounting on NS 35..., with LED display for 30 ... 60 V AC/DC		gray	**SLKK 5-LA 60 RD/U-O**		0461034	50
Four-conductor terminal block, for mounting on NS 35...		gray				

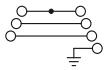
Accessories

Cover, width: 2.5 mm		gray	**D-UKK 3/5**		2770024	50
Spacer cover, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2.5 mm thick		gray	**DG-UKK 3/5**		2770817	50
Insertion bridge, for middle and lower levels, fully insulated						
	10	gray				
	10	red				
	10	blue				
	80	blue				
	80	red				
	80	white				
Insertion bridge, insulated						
	2	gray	**EB 2- 6**	26 A	0201155	100
	3	gray	**EB 3- 6**	26 A	0201142	100
	10	gray	**EB 10- 6**	26 A	0201139	10
Fixed bridge, isolated						
	10	silver	**FBI 10- 6**	32 A	0203250	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		2770215	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**ZB 6 (see Catalog 3)**			

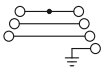


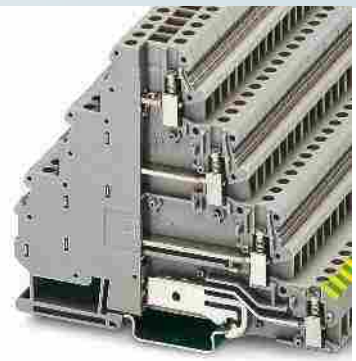


2.5 (4) mm², 24 A, four-level terminal block with PE foot



2.5 (4) mm², 24 A, four-level terminal block with PE foot





4 (6) mm², 34 A, four-level terminal block with PE foot

Technical data

Width	Length	Height NS 35/7,5	
6.2	**83.5**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**400**	**0.2 - 4**	**30-14**
IEC 60947-7-1/IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
19 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-12	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
-	-	-	-
-	-	-	-
4	2.5	-	-
8			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
DLKB 2,5-PE		3011038	50

Accessories

EB 10- DIK GY	26 A	2715937	10
EB 10- DIK RD	26 A	2716774	10
EB 10- DIK BU	26 A	2716680	10
EB 80- DIK BU	26 A	2715940	1
EB 80- DIK RD	26 A	2715953	1
EB 80- DIK WH	26 A	2715788	1
FBI 10- 6	26 A	0203250	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 3)			

Technical data

Width	Length	Height NS 35/7,5	
6.2	**83**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**400**	**0.2 - 4**	**30-14**
IEC 60947-7-1/IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
19 / 2.5	15 / -	15 / -	-
2.5	-	-	-
24 - 12	30-14	28-12	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5
-	-	-	-
-	-	-	-
-	-	-	-
8			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
DLK 2,5-PE		3011041	50

Accessories

FBI 10- 6	26 A	0203250	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 3)			

Technical data

Width	Length	Height NS 35/7,5	
6.2	**103.5**	**86.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
34	**400**	**0.2 - 6**	**30-10**
IEC 60947-7-1/IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	600	-	-
32 / 4	30 / -	-	-
4	-	-	-
24 - 10	30-10	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 4
-	-	-	-
-	-	-	-
-	-	-	-
8			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
DLK 4-PE		3011999	50

Accessories

FBI 10- 6	30 A	0203250	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 3)			

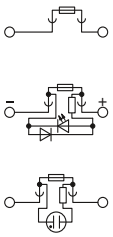
UK ...-HESI...N fuse/lever-type disconnect terminal blocks

– Compact, space-saving design
– Universal disconnect zone

Notes:

1) If the fuse is faulty, the downstream circuit is not off load.

2) The current is determined by the fuse used, the voltage by the LED display. Observe max. power dissipation.



4 (6) mm², 6.3 A, lever-type fuse terminal block, for 5 x 20 mm cartridge fuses

Technical data

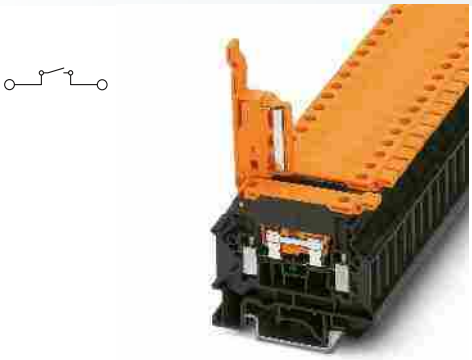
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**8.2**	**58**	**50**
Dimensions		Width	Length	Height NS 32
	[mm]	**8.2**	**58**	**55**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		6.3²)	**500²)**	**0.2 - 6 / 26-10**
Rated data		IEC 60947-7-3 IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500²)	600	-
Nominal current / cross section	[A] / [mm²]	6.3²) / 1.5	16	-
Rated cross section	[mm²]	4	-	-
Cross section range	AWG	24 - 10	26-10	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4 / 0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 2.5
Max. cross section with insertion bridge	[mm²]	4	4	- / -
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

Ordering data

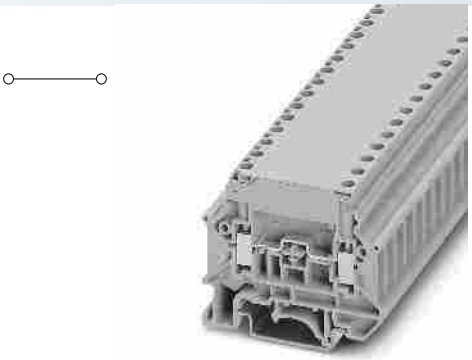
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Fuse terminal block, for mounting on NS 35..., for 5 x 20 cartridge fuse inserts		black	**UK 5-HESI N**		3000539	50
with LED for 12 - 30 V AC/DC, 0.7 - 1.95 mA¹)		black	**UK 5-HESILED 24 N**		3000540	50
with LED for 30 - 60 V AC/DC, 0.9 - 1.8 mA¹)		black	**UK 5-HESILED 60 N**		3000541	50
with LED display for 110 - 250 V AC/DC, 0.1 - 0.5 mA¹)		black	**UK 5-HESILA 250 N**		3000542	50
Lever-type disconnect terminal block, same shape as UK 5–HESI N		black/orange gray/orange				
Feed-through terminal block, for mounting on NS 35...		gray				

Accessories

Cover, width: 2.2 mm		black	**D-UK 5-HESI N**		3000543	50
Insertion bridge, divisible, fully insulated						
	2	gray	**EBS 2- 8**	14 A	3118151	100
	3	gray	**EBS 3- 8**	14 A	3118148	50
	10	gray	**EBS 10- 8**	14 A	3118135	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)**			



4 (6) mm², 16 A, lever-type disconnect terminal block, same shape



4 (6) mm², 32 A, feed-through terminal block, same shape

EAC

Technical data

Width	Length	Height NS 35/7,5	
8.2	**58**	**50**	
Width	Length	Height NS 32	
8.2	**58**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
16	**500**	**0.5 - 6**	**26-10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
16 / 1.5	16	-	-
4	-	-	-
20 - 10	26-10	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 6	0.5 - 4	0.5 - 4	0.5 - 2.5
0.5 - 1.5	0.5 - 1.5	0.5 - 1.5	-
-	-	-	0.5 - 1.5
4	4	-	-
9			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 5-HEDI N		3000564	50
UK 5-HEDI N GY		3000752	50

Accessories

D-UK 5-HESI N		3000543	50
EBS 2- 8	14 A	3118151	100
EBS 3- 8	14 A	3118148	50
EBS 10- 8	14 A	3118135	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)

EAC

Technical data

Width	Length	Height NS 35/7,5	
8.2	**58**	**40.3**	
Width	Length	Height NS 32	
8.2	**58**	**45.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32	**800**	**0.2 - 6**	**20-10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	-
32 / 4	30 / -	-	-
4	-	-	-
24 - 10	20-10	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
4	4	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 5-MTD N		3000562	50

Accessories

D-UK 5-HESI N		3000543	50
EBS 2- 8	30 A	3118151	100
EBS 3- 8	30 A	3118148	50
EBS 10- 8	30 A	3118135	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)

Lever-type fuse terminal blocks UKK ...-HESI

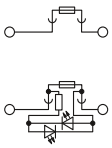
- Safety lever locked in end position
- Large area for labeling
- For 5 mm and 6.3 mm cartridge fuse inserts
- Versions with LED display

Notes:

For further technical notes on power dissipation, refer to page 694.

1) If the fuse is faulty, the downstream circuit is not off load.

2) The current is determined by the fuse used, the voltage by the LED display. Observe max. power dissipation.



4 (4) mm², 6.3 A, lever-type fuse terminal block for 5 x 20 mm cartridge fuses

Technical data

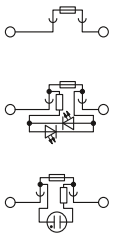
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**8.2**	**72.5**	**56.5**
Dimensions		Width	Length	Height NS 32
	[mm]	**8.2**	**72.5**	**61.5**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		6.3²)	**800²)**	**0.2 - 4 / 26-10**
Rated data		IEC 60947-7-3 IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800²)	600	600 / -
Nominal current / cross section	[A] / [mm²]	6.3²) / 1	12 / -	6.3 / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 12	26-10	28-10 / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4 / 0.25 - 4
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	4	4	- / -
General data				
Fuse type / dimensions	– / [mm]	G / 5 x 20 / 5 x 25 / 5 x 30		
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 5 x 25 and 5 x 30 mm		black	**UK 5-HESI**		3004100	50
with LED for 12-30 V AC/DC		black	**UK 5-HESILED 24**		3004126	50
with LED for 110-250 V AC/DC¹)		black	**UK 5-HESILA 250**		3004142	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 6.3 x 32 mm.		black				
with LED for 12-30 V AC/DC¹)		black				
with LED for 110-250 V AC/DC¹)		black				

Accessories

Insertion bridge, divisible, fully insulated					
	2	gray	**EBS 2- 8**	32 A	3118151	100
	3	gray	**EBS 3- 8**	32 A	3118148	50
	10	gray	**EBS 10- 8**	32 A	3118135	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**ZB 8 (see Catalog 3)**			
Lever labeling						



16 (16) mm², 10 A, lever-type fuse terminal block for 6.3 x 32 mm cartridge fuses

Technical data

Width	Length	Height NS 35/7,5	
10.2	**79**	**60.5**	
Width	Length	Height NS 32	
10.2	**79**	**65.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
10[2])	**500[2])**	**0.5 - 16**	**26-8**
IEC 60947-7-3			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500[2])	600	600	-
10[2]) / 1.5	10 / -	25 / -	-
16	-	-	-
20 - 6	26-8	26-8	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 4	-
-	-	-	0.5 - 6
10	10	-	-

G / 6,3 x 32
12
M4
1.2 - 1.5
PA
V0

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 6,3-HESI		3004171	50
UK 6,3-HESILED 24		3004265	50
UK 6,3-HESILA 250		3004249	50

Accessories

EB 2-10	63 A	0203153	100
SZS 1,0X4,0 VDE		1205066	10

ZB 10 (see Catalog 3)
ZB 8 (see Catalog 3)

Double-level terminal blocks with safety levers UKK ...-HESI

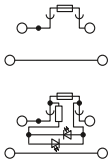
– Compact double-level fuse terminal block
– Safety levers and each terminal point can be individually labeled
– For 5 mm and 6.3 mm cartridge fuse inserts
– Versions with LED display

Notes:

For further technical notes on power dissipation, refer to page 694.

1) If the fuse is faulty, the downstream circuit is not off load.

2) The current is determined by the fuse used, the voltage by the LED display. Observe max. power dissipation.



4 (4) mm², 32 A, double-level terminal block with fuse lever for 5 x 20 mm cartridge fuse

EAC

Technical data

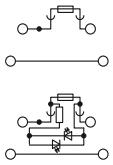
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**8.2**	**86.5**	**79**
Dimensions		Width	Length	Height NS 32
	[mm]	**8.2**	**86.5**	**84**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG (UL)
		32²)	**400²)**	**0.2 - 4** **26-10**
Rated data lower level		IEC 60947-7-1 IEC	UL / CUL	CSA IEC/ EN 60079-7
Rated voltage	[V]	400²)	600	300 -
Nominal current / cross section	[A] / [mm²]	32²) / 4	30 / -	15 -
Rated cross section	[mm²]	4	-	- -
Cross section range	AWG	24 - 12	26-10	28-10 -
Rated data, upper level		IEC 60947-7-3 IEC	UL / CUL	CSA IEC/ EN 60079-7
Rated voltage	[V]	400²)	600	300 -
Nominal current / cross section	[A] / [mm²]	6.3²) / 1	15 / -	15 / - -
Rated cross section	[mm²]	4	-	- -
Cross section range	AWG	24 - 12	26-10	28-10 -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4 0.25 - 4
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- 0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	4	2.5	- -
General data				
Fuse type / dimensions	– / [mm]	G / 5 x 20		
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.8		
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20 mm		black	**UKK 5-HESI (5X20)**		3007204	50
with LED for 15 - 30 V AC/DC, 0.98 - 2.4 mA¹)		black	**UKK 5-HESILED 24 (5X20)**		3026654	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 6.3 x 32 mm		black				
with LED for 12 - 30 V DC, 0.31 - 0.95 mA¹)		black				

Accessories

Fixed bridge, isolated	10	silver	**FBRI 10-8 N**	32 A	2772080	10
Insertion bridge, divisible, fully insulated	2	gray	**EBS 2- 8**	32 A	3118151	100
	3	gray	**EBS 3- 8**	32 A	3118148	50
	10	gray	**EBS 10- 8**	32 A	3118135	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**ZB 8 (see Catalog 3)**			
Lever labeling			**ZBF 8 (see Catalog 3)**			



4 (4) mm², 32 A, double-level terminal block with fuse lever for 6.3 x 32 mm cartridge fuse

Technical data

Width	Length	Height NS 35/7,5	
8.2	**86.5**	**79**	
Width	Length	Height NS 32	
8.2	**86.5**	**84**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32[2])	**400[2])**	**0.2 - 4**	**26-10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[2])	600	300	-
32[2]) / 4	30 / -	15	-
4	-	-	-
24 - 12	26-10	28-10	-
IEC 60947-7-3			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[2])	600	300	-
10[2]) / 1.5	15 / -	15	-
4	-	-	-
24 - 12	26-10	28-10	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
4	2.5	-	-
G / 6,3 x 32			
8			
M3			
0.5 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UKK 5-HESI (6,3X32)		3007217	50
UKK 5-HESILED 24 (6,3X32)		0711632	50

Accessories

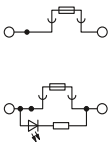
FBRI 10-8 N	32 A	2772080	10
EBS 2- 8	32 A	3118151	100
EBS 3- 8	32 A	3118148	50
EBS 10- 8	32 A	3118135	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

ZB 8 (see Catalog 3)
ZBF 8 (see Catalog 3)

Fuse terminal blocks with screw cap UK 10-DREHSI

– Bridgeable with fixed bridge FBI ...
– Fuse terminal block with screw cap for 5 x 20, 5 x 25 or 6.3 x 32 mm fuse inserts
– Versions with LED display for indicating that a fuse has tripped
– When selecting and using cartridge fuse terminal inserts, IEC 60127-6/ DIN EN 60127-6 should be observed
– UK 10-DREHSI/K is suitable for fuse inserts with indicator pins. The transparent screen on the screw cap allows the tripped fuse to be quickly identified in these inserts

Notes:
For further technical notes on power dissipation, refer to page 694
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current is determined by the fuse used, the voltage by the LED display. Observe max. power dissipation.



16 (16) mm², 10 A, fuse terminal block for 5 x 20 mm cartridge fuses

Technical data

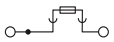
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**12**	**62**	**57.2**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**12**	**62**	**62.2**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		10²)	**500²)**	**0.5 - 16**	**24-6**
Rated data		IEC 60947-7-3 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500²)	300	300	-
Nominal current / cross section	[A] / [mm²]	10²) / 1.5	20 / -	20 / -	-
Rated cross section	[mm²]	16	-	-	-
Cross section range	AWG	20 - 6	24-6	22-6	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
2 conductors (of the same type)	[mm²]	0.5 - 4	0.5 - 4	0.5 - 4	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 10
Max. cross section with insertion bridge	[mm²]	10	10	-	-
General data					
Fuse type / dimensions	– / [mm]	G / 5 x 20			
Stripping length	[mm]	11			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

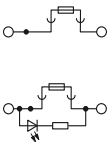
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 5 x 25, 6.3 x 32 mm		black	**UK 10-DREHSI (5X20)**		3005109	50
.../K with indicator pin		black				
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with LED display for 5 - 15 V DC¹)		black	**UK 10-DREHSILED 12 (5X20)**		3005112	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with LED display for 15 - 30 V DC¹)		black	**UK 10-DREHSILED 24 (5X20)**		3005138	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with LED display for 30 - 60 V DC¹)		black	**UK 10-DREHSILED 60 (5X20)**		3005154	50
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 6.3 x 32 mm, with LED display for 110 - 250 V DC¹)		black	**UK 10-DREHSILA 250 (5X20)**		3005170	50

Accessories

Fixed bridge, isolated	10	silver	**FBI 10-12**	63 A	0203454	10
Insertion bridge, fully insulated	10	gray	**EB 10-12**	63 A	3006137	10
Test socket, for test connection with test plug PS		silver	**PSB 4/7/6**		0303299	10
Test socket, insulated, for UK 6 N, UK 10 N and URTK/SP and USST 10 terminal blocks, M4 thread		transparent	**PSBJ 4/15/6 FARBLOS**		0303419	10
Screwdriver			**SZS 1,0X4,0 VDE**		1205066	10
Lateral groove labeling			**ZB 6 (see Catalog 3)**			



16 (16) mm², 10 A, fuse terminal block for 5 x 25 mm cartridge fuses with indicating pin



16 (16) mm², 10 A, fuse terminal block for 6.3 x 32 mm cartridge fuses

Technical data

Width	Length	Height NS 35/7,5	
12	**62**	**57.2**	
Width	Length	Height NS 32	
12	**62**	**62.2**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
10[2])	**500[2])**	**0.5 - 16**	**24-6**
IEC 60947-7-3			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500[2])	300	-	-
10[2]) / 1.5	20 / -	-	-
16	-	-	-
20 - 6	24-6	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 4	-
-	-	-	0.5 - 10
10	10	-	-
G / 5 x 25			
11			
M4			
1.5 - 1.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 10-DREHSI/K (5X25)		**3005688**	50

Accessories

FBI 10-12	63 A	**0203454**	10
EB 10-12	63 A	**3006137**	10
PSB 4/7/6		**0303299**	10
PSBJ 4/15/6 FARBLOS		**0303419**	10
SZS 1,0X4,0 VDE		**1205066**	10

ZB 6 (see Catalog 3)

Technical data

Width	Length	Height NS 35/7,5	
12	**62**	**57.2**	
Width	Length	Height NS 32	
12	**62**	**62.2**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
10[2])	**400[2])**	**0.5 - 16**	**24-6**
IEC 60947-7-3			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[2])	300	300	-
10[2]) / 1.5	20 / -	20 / -	-
16	-	-	-
20 - 6	24-6	22-6	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 16	0.5 - 10	0.5 - 10
0.5 - 4	0.5 - 4	0.5 - 4	-
-	-	-	0.5 - 10
10	10	-	-
G / 6,3 x 32			
11			
M4			
1.5 - 1.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 10-DREHSI (6,3X32)		**3005507**	50
UK 10-DREHSILED 24 (6,3X32)		**3005646**	50
UK 10-DREHSILA 250 (6,3X32)		**3005662**	50

Accessories

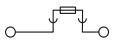
FBI 10-12	63 A	**0203454**	10
PSB 4/7/6		**0303299**	10
PSBJ 4/15/6 FARBLOS		**0303419**	10
SZS 1,0X4,0 VDE		**1205066**	10

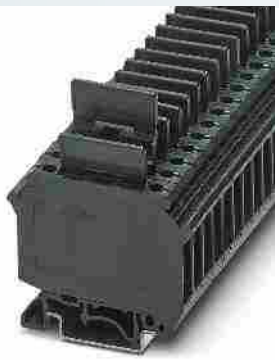
ZB 6 (see Catalog 3)

UK-SI and USIG fuse terminal blocks

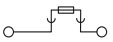
– In the case of the UK-SI fuse terminal block, the cartridge fuse-links are connected with the integrated connector in the terminal block

Notes:
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current and voltage are determined by the fuse.
For further technical notes on power dissipation, refer to page 694.
Attention: The cartridge fuse holders should be selected in accordance with the maximum power dissipation (self-heating) of the cartridge fuse inserts.
For more insertion bridges, visit phoenixcontact.net/products





4 (4) mm², 6.3 A, fuse terminal block for 5 x 20 mm and 5 x 25 mm cartridge fuses



16 (16) mm², 40 A, basic fuse terminal block for cartridge fuse connectors or isolating connectors

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**8.2**	**59.5**	**58**	
Dimensions	Width	Length	Height NS 32	
[mm]	**8.2**	**59.5**	**63**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	6.3²)	**400²)**	**0.2 - 4**	**28-12**
Rated data	IEC 60947-7-3 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400²)	300	250	-
Nominal current / cross section [A] / [mm²]	6.3²) / 1	10 / -	10 / -	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 12	28-12	24-14	-
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 4
2 conductors (of the same type) [mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 2.5
General data				
Fuse type / dimensions – / [mm]	G / 5 x 20 / 5 x 25			
Stripping length [mm]	9			
Screw thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Flammability rating in accordance with UL 94	V0			

Technical data

Width	Length	Height NS 35/7,5		
10.2	**61**	**51.6**		
Width	Length	Height NS 32		
10.2	**61**	**56.6**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
40²)	**500²)**	**0.5 - 16**	**18-8**	
IEC 60947-7-3 IEC	UL / CUL	CSA	IEC/ EN 60079-7	
500²)	600	600	-	
10²) / 1.5	40 / -	40 / -	-	
16	-	-	-	
20 - 6	18-8	24-8	-	
Rigid	Flexible	Ferrule without/with plastic sleeve		
0.5 - 16	0.5 - 16	0.5 - 16	0.5 - 10	
0.5 - 4	0.5 - 6	0.5 - 6	-	
-	-	-	0.5 - 6	
G / 5 x 20 / 5 x 25 / 5 x 30 / 6.3 x 32				
13				
M4				
1.5 - 1.8				
PA				
V0				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35..., for cartridge fuse inserts 5 x 20, 5 x 25 mm		black	**UK-SI**		3118012	50
		blue	**UK-SI BU**		3118096	50
Basic fuse terminal block, for mounting on NS 32... or NS 35...		black				
		blue				

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
USIG		0920083	50
USIG BU		0920122	50

Accessories

Insertion bridge, insulated	10	gray	**EBS 10- 8**	32 A	3118135	10
Isolating connector						
Fuse connector, for G fuse inserts, 6.3 x 32 mm, nominal voltage 440 V		black				
Fuse connector, with LED display, for cartridge fuse inserts 6.3 x 32 mm, nominal voltage 440 V¹)						
for 15 - 30 V AC/DC, 3.2 - 7.5 mA		black				
for 110 - 250 V AC/DC, 0.1 - 0.9 mA		black				
Fuse connector, for cartridge fuse inserts 5 x 20, 5 x 25, 5 x 30 mm		black				
Fuse connector, for G fuse inserts 5 x 20, 5 x 25, 5 x 30 mm, with LED display for 15 - 30 V AC/DC, 3.2 - 7.5 mA, $I_{max.}$ 6,3 A¹)		black				
for 110 - 250 V AC/DC, 0.1 - 0.9 mA, $I_{max.}$ 6.3 A		black				
Separating disk, 0.8 mm wide		gray				
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**ZB 8 (see Catalog 3)**			

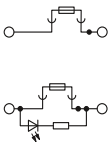
Accessories

EB 10-10	76 A	0203137	10
ST-T	40 A	0920216	50
ST 1-SI	10 A	0920326	50
ST 1-SILED 24	10 A	0920384	50
ST 1-SILA 250	10 A	0920397	50
ST-SI	6.3 A	0920229	50
ST-SILED 24		0920452	50
ST-SILA250		0920287	50
ATS-GSK		0304227	50
SZS 1,0X4,0 VDE		1205066	10
ZB 10 (see Catalog 3)			

Fuse terminal block UK 6-FSI/C, for type C flat-type fuses

- Compact fuse terminal block for type C automotive flat-type fuses
- Available with LED display for rapid error diagnostics
- Bridgeable with fixed bridge FBI ...
- Large-surface marking options of every terminal point
- Can be used as the basic terminal block for thermal circuit breaker TCP .../DC32V; see Catalog 4
- Type F automotive flat-type fuse terminal blocks are also available in the "PT Push-in connection terminal blocks" section

Notes:
1) If the fuse is faulty, the downstream circuit is not off load.
2) For derating curve, visit phoenixcontact.net/products
3) The current and voltage are determined by the fuse.
For corresponding fuse inserts, see Catalog 4.
The recommended continuous load capacity of the fuse inserts in accordance with DIN 72581/Part 3 is max. 80 percent of their nominal current (at an ambient temperature of 23°C)



6 (10) mm², 30 A, fuse terminal block for type C flat-type fuses

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		8.2	**64**	**53.8**
Dimensions		Width	Length	Height NS 32
	[mm]	**8.2**	**64**	**58.8**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		30²)	**250³)**	**0.2 - 10** / **26-8**
Rated data		IEC 60947-7-3 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250³)	300	32	-
Nominal current / cross section	[A] / [mm²]	30¹) / 4	30 / -	30 / -	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	24 - 8	26-8	26-8	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 4
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 2.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 4
General data					
Fuse type / dimensions	– / [mm]	C			
Stripping length	[mm]	10			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.6			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Fuse terminal block, for mounting on NS 32... or NS 35...		black	**UK 6-FSI/C**		3118203	50
Fuse terminal block, for mounting on NS 32... or NS 35..., with LED for 12 V DC, 1.7 mA¹)		black	**UK 6-FSI/C-LED12**		3001925	50
with LED display for 24 V DC, 1.9 mA¹)		black	**UK 6-FSI/C-LED24**		3001938	50

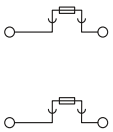
Accessories

Fixed bridge, isolated	10	silver	**FBI 10- 8**	34 A	0203263	10
Insertion bridge, fully insulated	2	gray	**EB 2- 8**	57 A	0202154	100
	3	gray	**EB 3- 8**	57 A	0202141	100
	4	gray	**EB 4- 8**	57 A	0202142	100
	10	gray	**EB 10- 8**	57 A	0202138	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 8**	38 A	0301534	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 10**		1303337	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		2770215	50
Screwdriver			**SZS 1,0X4,0 VDE**		1205066	10
Lateral groove labeling			**ZB 8 (see Catalog 3)**			

UK 10,3-HESI lever-type fuse terminal blocks

- The UK 10,3-HESI fuse terminal blocks are used for accommodating midget fuse-links in accordance with IEC 60269 or Class CC fuse-links in accordance with UL 4248-4
- Insertion bridges are available with up to 56 positions
- Tripped fuse-links are signalized via an LED display
- Connection pins for simultaneous switching of two or three positions
- Spacers for higher-temperature applications

Notes:
For detailed information on applications and power dissipation data, see phoenixcontact.net/products
1) If the fuse is faulty, the downstream circuit is not off load.
2) The current and voltage are determined by the fuse.



16 (25) mm², 32 A, lever-type fuse terminal block for 10.3 x 38 mm midget fuses

Technical data

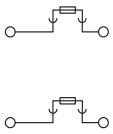
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		17.8	**80.7**	**68.3**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32²)	**690²)**	**0.75 - 25** / **-**
Rated data		IEC 60947-1/-3 IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	690²)	-	- / -
Nominal current / cross section	[A] / [mm²]	32²) / 16	-	- / -
Rated cross section	[mm²]	16	-	- / -
Cross section range	AWG	16 - 3	-	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.75 - 25	0.75 - 25	0.75 - 16 / 0.75 - 16
2 conductors (of the same type)	[mm²]	0.75 - 10	0.75 - 10	0.75 - 6 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / -
Max. cross section with insertion bridge	[mm²]	10	10	- / -
General data				
Fuse type / dimensions	– / [mm]	10:3 x 38 mm		
Stripping length	[mm]	12		
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.8		
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Fuse terminal block, for mounting on NS 35..., for 10.3 x 38 mm midget fuse inserts, 690 V AC/440 V DC		black	**UK 10,3-HESI A**		1045676	10
with LED display¹)		black	**UK 10,3-HESILED A 690V**		1045690	10
Fuse terminal block, for mounting on NS 35..., for fuse inserts CLASS CC 10.3 x 38 mm		black				
2-pos.		black				
3-pos.		black				
with LED display¹)		black				
2-pos.		black				
3-pos.		black				

Accessories

Insertion bridge, divisible, insulated spine						
1-phase		gray	**EB 2-18 A**	76 A	3009310	10
1-phase		gray	**EB 3-18 A**	76 A	3009311	10
1-phase		gray	**EB 4-18 A**	76 A	3009313	10
1-phase		gray	**EB 8-18 A**	76 A	3009314	10
1-phase		gray	**EB 16-18 A**	76 A	1006832	10
1-phase		gray	**EB 56-18 A**	76 A	3009315	10
Insertion bridge, width: 22 mm, can be disconnected, comb back isolated						
1-phase		gray	**EB 4-22 A**	76 A	3009316	10
1-phase		gray	**EB 8-22 A**	76 A	3009318	10
1-phase		gray	**EB 16-22 A**	76 A	1006839	10
1-phase		gray	**EB 56-22 A**	76 A	3009319	10
Insulation cover, for bridges		gray	**D-EB 18/22 A**		3009320	10
Connection pin, for connecting several fuse terminal blocks, 2-pos.		silver	**VS-UK 10,3-HESI A 2POL**		1045725	10
3-pos.		silver	**VS-UK 10,3-HESI A 3POL**		1045726	10
Spacer for neighboring fuse terminal block, width: 4.5 mm		gray	**DP-UK 10,3-HESI A**		1045724	10



25 (25) mm², 30 A, lever-type fuse terminal block for CLASS CC 10.3 x 38 mm

Technical data

Width	Length	Height NS 35/7,5	
17.8	**80.7**	**68.3**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30²)	**600²)**	**0.75 - 25**	**-**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
600²)	-	-	-
30²) / 16	-	-	-
16	-	-	-
16 - 3	-	-	-

Rigid	Flexible	Ferrule without/with plastic sleeve	
0.75 - 25	0.75 - 25	0.75 - 16	0.75 - 16
0.75 - 10	0.75 - 10	0.75 - 6	-
-	-	-	-
10	10	-	-

Class CC
12
M4
1.5 - 1.8
PA
V0

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 10,3-CC HESI A		**1045682**	10
UK 10,3-CC HESI A 2POL		**1045693**	10
UK 10,3-CC HESI A 3POL		**1045698**	10
UK 10,3-CC HESILED A 600V		**1045716**	10
UK 10,3-CC HESILED A 600V 2POL		**1045718**	10
UK 10,3-CC HESILED A 600V 3POL		**1045719**	10

Accessories

EB 2-18 A	76 A	**3009310**	10
EB 3-18 A	76 A	**3009311**	10
EB 4-18 A	76 A	**3009313**	10
EB 8-18 A	76 A	**3009314**	10
EB 16-18 A	76 A	**1006832**	10
EB 56-18 A	76 A	**3009315**	10
EB 4-22 A	76 A	**3009316**	10
EB 8-22 A	76 A	**3009318**	10
EB 16-22 A	76 A	**1006839**	10
EB 56-22 A	76 A	**3009319**	10
D-EB 18/22 A		**3009320**	10
VS-UK 10,3-HESI A 2POL		**1045725**	10
VS-UK 10,3-HESI A 3POL		**1045726**	10
DP-UK 10,3-HESI A		**1045724**	10

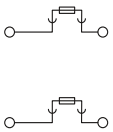
Lever-type fuse terminal blocks for photovoltaics UK 10.3-HESI A 1000 V

– Terminal blocks for protecting PV lines
– Suitable for PV fuse-links in accordance with IEC 60269-6
– Dielectric strength up to 1000 V DC
– Light indicator indicates that a fuse has tripped
– The spacers are used for improved heat dissipation, particularly when installing the fuse terminal blocks in compact control boxes

Fuses

– Fuse with gPV characteristic in accordance with IEC 60269-6
– Use in PV lines with a nominal voltage of up to 1000 V DC
– Safe shutdown even in the event of short-circuit currents that are just above the nominal current

Notes:
For tools for stripping and crimping solar cables and connectors, see Catalog 3.
Disconnect terminal blocks with 1000 V and diode terminal blocks STME ... HV see page 237.
For test disconnect terminal block PTME 6 HV, see page 348.
For detailed information on PV applications and power dissipation data, see phoenixcontact.net/products
For further fuse inserts with UL approval, see phoenixcontact.net/products
[1]) If the fuse is faulty, the downstream circuit is not off load.
[2]) The current and voltage are determined by the fuse.



25 (25) mm², 32 A, 1000 V, lever-type fuse terminal block for midget fuses 10.3 x 38 mm

Technical data

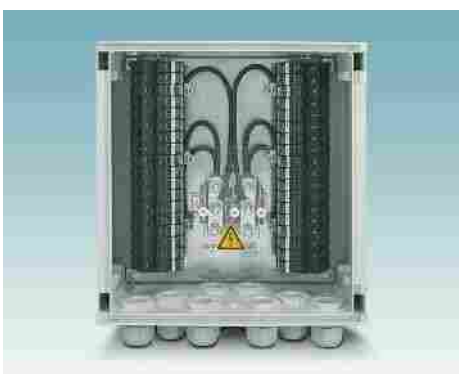
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		17.8	**80.7**	**68.3**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32[2])	**1000[2])**	**0.75 - 25** / **-**
Rated data		IEC 60269-1/-2 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	1000[2])	-	- / -
Nominal current / cross section	[A] / [mm²]	32 / 16	-	- / -
Rated cross section	[mm²]	16	-	- / -
Cross section range	AWG	16 - 3	-	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.75 - 25	0.75 - 25	0.75 - 16 / 0.75 - 16
2 conductors (of the same type)	[mm²]	0.75 - 10	0.75 - 10	0.75 - 6 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / -
Max. cross section with insertion bridge	[mm²]	10	10	- / -
General data				
Fuse type / dimensions	– / [mm]	10:3 x 38 mm		
Stripping length	[mm]	12 - 14		
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.8		
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Fuse terminal block, for mounting on NS 35..., for Midget fuse inserts 10.3 x 38 mm[1])		black	**UK 10,3-HESI A 1000V**		1045720	10
with LED for 400 - 1000 V DC		black	**UK 10,3-HESILED A 1000V**		1045723	10
Midget fuse, 10.3 x 38 mm, nominal current: 2 A		white				
Nominal current: 4 A		white				
Nominal current: 6 A		white				
Nominal current: 8 A		white				
Nominal current: 10 A		white				
Nominal current: 12 A		white				
Nominal current: 16 A		white				
Nominal current: 20 A		white				
Nominal current: 25 A		white				

Accessories

Insertion bridge, divisible, insulated spine						
1-phase		gray	**EB 2-18 A**	76 A	3009310	10
1-phase		gray	**EB 3-18 A**	76 A	3009311	10
1-phase		gray	**EB 4-18 A**	76 A	3009313	10
1-phase		gray	**EB 8-18 A**	76 A	3009314	10
1-phase		gray	**EB 16-18 A**	76 A	1006832	10
1-phase		gray	**EB 56-18 A**	76 A	3009315	10
Insertion bridge, width: 22 mm, can be disconnected, comb back isolated						
1-phase		gray	**EB 4-22 A**	76 A	3009316	10
1-phase		gray	**EB 8-22 A**	76 A	3009318	10
1-phase		gray	**EB 16-22 A**	76 A	1006839	10
1-phase		gray	**EB 56-22 A**	76 A	3009319	10
Insulation cover, for bridges		gray	**D-EB 18/22 A**		3009320	10
Spacer for neighboring fuse terminal block, width: 4.5 mm		gray	**DP-UK 10,3-HESI A**		1045724	10



10.3 x 38 mm midget fuse inserts, 2 A – 20 A

EAC

Technical data

Width	Length	Height NS 35/7,5	
-	**38**	-	
	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	1000	-	-

IEC 60269-6			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
2 / -	-	-	-
-	-	-	-
-	-	-	-

Rigid	Flexible	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

-
-
-
-
-
V0

Ordering data

Type	Order No.	Pcs./Pkt.
FUSE 10,3X38 2A PV	3061295	10
FUSE 10,3X38 4A PV	3061305	10
FUSE 10,3X38 6A PV	3061318	10
FUSE 10,3X38 8A PV	3061321	10
FUSE 10,3X38 10A PV	3061334	10
FUSE 10,3X38 12A PV	3061347	10
FUSE 10,3X38 16A PV	3061350	10
FUSE 10,3X38 20A PV	3061363	10
FUSE 10,3X38 25A PV	3061364	10

Accessories

UK screw connection lever-type fuse terminal block for photovoltaics, 1500 V

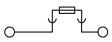
Fuse terminal block

– Terminal block for protecting PV strings in accordance with IEC 60947-3 / IEC 60269
– Suitable for PV fuse-links in accordance with IEC 60269-6
– Dielectric strength up to 1500 V DC
– Generous labeling options for the unique identification of lines

Fuses

– Fuse with gPV characteristic in accordance with IEC 60269-6
– Use in PV lines with a nominal voltage of up to 1500 V DC
– Safe shutdown even in the event of short-circuit currents that are just above the nominal current

Notes:
The rated voltage is 1250 V and the maximum operating voltage is 1500 V.
Higher ambient temperatures are an additional strain on fuse inserts. In applications of this kind, the shift of the rated current should be taken into consideration accordingly.
For tools for stripping and crimping solar cables and connectors, see Catalog 3.
For detailed information on applications and power dissipation data, see phoenixcontact.net/products
1) The current and voltage are determined by the fuse.
2) Maximum operating voltage 1500 V.



25 (25) mm², 32 A, 1500 V, lever-type fuse terminal block for midget fuses 10.3 x 85 mm

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		23	**130**	**65.5**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32[1])	**1500[2])**	**2.5 - 25** / **-**
Rated data		IEC 60269-1/-2 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	1500[2])	-	- / -
Nominal current / cross section	[A] / [mm²]	32[1]) / 16	-	- / -
Rated cross section	[mm²]	25	-	- / -
Cross section range	AWG	14 - 4	-	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	2.5 - 25	2.5 - 25	2.5 - 16 / 2.5 - 16
2 conductors (of the same type)	[mm²]	0.75 - 10	0.75 - 10	0.75 - 10 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / -
General data				
Fuse type / dimensions	– / [mm]	gG / gPV / 10.3 x 85		
Stripping length	[mm]	14		
Screw thread		M5		
Tightening torque	[Nm]	- 2.5		
Insulating material		PA		

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Fuse terminal block, for mounting on NS 35..., for 10 x 85 mm cartridge fuse inserts	black	**UK 10,3-HESI A 1500V**	1069842	5
Midget fuse, 10.3 x 85 mm, 1500 V, nominal current: 2 A	white			
Nominal current: 4 A	white			
Nominal current: 6 A	white			
Nominal current: 8 A	white			
Nominal current: 10 A	white			
Nominal current: 12 A	white			
Nominal current: 16 A	white			
Midget fuse, 10.3 x 85 mm, 1200 V, nominal current: 20 A	white			
Nominal current: 25 A	white			

Accessories

Partition plate, 2 mm wide	gray	**TPN-UK**	3003062	10
Screwdriver		**SF-SL 0,6X3,5-100 S-VDE**	1212587	10
Center groove labeling		**EML (16,5X5)R (see Catalog 3)**		

Fuse insert, 10.3 x 85 mm, 2 - 16 A, 1500 V

Fuse insert, 10.3 x 85 mm, 20 - 25 A, 1200 V

EAC

Technical data

Width	Length	Height NS 35/7,5	
-	85	-	
	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	1500	-	-
IEC 60269-6			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1500	-	-	-
2 / -	-	-	-
-	-	-	-
-	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
-			
-			

Ordering data

Type	Order No.	Pcs./Pkt.
FUSE 10,3X85 2A PV	3062766	10
FUSE 10,3X85 4A PV	3062767	10
FUSE 10,3X85 6A PV	3062768	10
FUSE 10,3X85 8A PV	3062769	10
FUSE 10,3X85 10A PV	3062770	10
FUSE 10,3X85 12A PV	3062771	10
FUSE 10,3X85 16A PV	3062772	10

Accessories

EAC

Technical data

Width	Length	Height NS 35/7,5	
-	85	-	
	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	1200	-	-
IEC 60269-6			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1200	-	-	-
20 / -	-	-	-
-	-	-	-
-	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
-			
-			

Ordering data

Type	Order No.	Pcs./Pkt.
FUSE 10,3X85 20A PV	3062773	10
FUSE 10,3X85 25A PV	3062774	10

Accessories

Disconnect terminal blocks

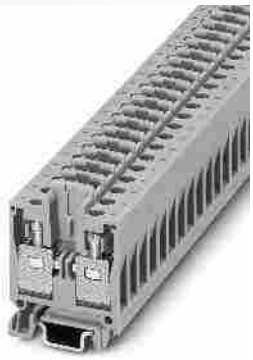
- Disconnect terminal block with universal disconnect zone for accommodating fuse connectors, component connectors, and isolating connectors
- Design width of just 6.2 mm
- The terminal blocks are available in different basic forms
- Mini-strip terminal blocks MBK 5
- Universal terminal blocks UK 5 N
- Double terminal blocks UDK 4
- Double-level terminal blocks UKK 5

Notes:

Three- or four-conductor basic actuator terminal blocks DOK 1,5–TG, DOKD 1,5–TG and VIOK 1,5–D/TG/D/PE with disconnect function can be found on page 485 onwards

For fuse, component and isolating connectors, see page 508.

[1]) The current and voltage are determined by the component and fuse connector.



4 (4) mm², 16 A, disconnect terminal block

EAC

Technical data

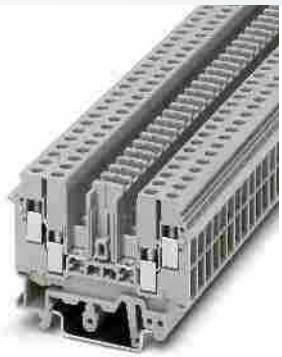
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**6.2**	**28**	**-**
Dimensions		Width	Length	Height NS 15
	[mm]	**6.2**	**28**	**36**
Dimensions		Width	Length	Height NS 32
	[mm]	**6.2**	**28**	**-**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16[1])	**500[1])**	**0.2 - 4**	**28-12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[1])	300	300	
Nominal current / cross section	[A] / [mm²]	16 / 4	20 / -	15 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	28-12	28-12	-
Rated data, upper level		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section	[A] / [mm²]	- / -	- / -	- / -	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]				0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	1.5	1.5		
General data					
Stripping length	[mm]	9			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Flammability rating in accordance with UL 94		V2			

Ordering data

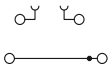
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Basic terminal block, for component and fuse connectors		gray	**MBK 5/E-TG**		1415089	50
Basic terminal block, with test socket screws on both sides		gray				

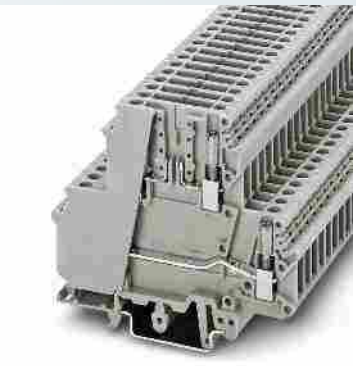
Accessories

Cover, width: 1 mm		gray	**D-MBK 5/E-T**		1413706	50
Cover, width: 1.5 mm		gray				
Fixed bridge, isolated	10	silver				
Insertion bridge, insulated	2	gray	**EB 2- 6**	16 A	0201155	100
	3	gray	**EB 3- 6**	16 A	0201142	100
	10	gray	**EB 10- 6**	16 A	0201139	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver				
Bridge bar isolator, as distance piece for isolator bridge bar		gray				
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling						



4 (6) mm², 16 A, disconnect terminal block





4 (4) mm², 26 A, double-level terminal block with disconnect zone

EAC

Technical data

Width	Length	Height NS 35/7,5	
6.2	**63.5**	**47**	
Width	Length	Height NS 15	
6.2	**63.5**	**-**	
Width	Length	Height NS 32	
6.2	**63.5**	**52**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
16[1])	**400**	**0.2 - 6**	**30-12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	
16 / 4	15 / -	- / -	-
4	-	-	-
24 - 10	30-12	-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
- / -	- / -	- / -	- / -
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
0.2 - 1	0.2 - 1.5	0.25 - 1.5	- 0.5 - 1
2.5	2.5		
8			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UDK 4-TG		2777014	50

Accessories

D-UDK-RELG		2777027	50
FBI 10- 6	16 A	0203250	10
EB 2- 6	16 A	0201155	100
EB 3- 6	16 A	0201142	100
EB 10- 6	16 A	0201139	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

ZB 6 (see Catalog 3)

EAC

Technical data

Width	Length	Height NS 35/7,5	
6.2	**80**	**68.5**	
Width	Length	Height NS 15	
6.2	**80**	**-**	
Width	Length	Height NS 32	
6.2	**80**	**56**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
26	**400[1])**	**0.2 - 4**	**26-12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[1])	-	300	
26 / 4	- / -	15 / -	-
4	-	-	-
24 - 12	26-12	28-12	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
16 / 4	15 / -	- / -	- / -
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	- 0.5 - 2.5
4	4		
8			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UKK 5-TG		3007042	50

Accessories

FBI 10- 6	26 A	0203250	10
EB 2- 6	22 A	0201155	100
EB 3- 6	22 A	0201142	100
EB 10- 6	22 A	0201139	10
ISSBI 10- 6	26 A	0301505	10
IS-K 4		1302338	100
SZG 0,6X3,5 VDE		1205121	10

ZB 6 (see Catalog 3)

Connectors for disconnect terminal blocks in the UK series

– The fuse connector ST-SI-UK 4 for 5 x 20 mm cartridge fuse inserts is available with and without a LED display
– The component connector ST−BE is available as an individual connector for two-pos. components and as a double connector

Notes:
1) If the fuse is faulty, the downstream circuit is not off load.
2) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 1.0 A
3) With single arrangement.
4) Integrated: Rectifier module B 250 C 1500, reverse voltage: 600 V, nominal voltage: 250 V, nominal current: 1.5 A

Fuse connector for 5 x 20 mm cartridge fuses

Component connector for 2 and 4-pos. components

Technical data

Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	250	300	300	-
Nominal current / cross section	[A] / [mm²]	6.3 / -	6.3 / -	10 / -	-
Rated cross section	[mm²]	-	-	-	-
Cross section range	AWG	-	-	-	-
General data					
Insulating material		PA			
Flammability rating in accordance with UL 94		V2			

Technical data

Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	300	-	-
Nominal current / cross section	[A] / [mm²]	16 / -	10 / -	-	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	-	30-14	-	-
General data					
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Fuse plug, for cartridge fuse inserts 5 x 20 mm, 26.5 mm high, max 6.3 A	black	**ST-SI-UK 4**	0921011	50
Fuse connector, for cartridge fuse inserts, 5 x 20 mm, 26.5 mm high, max. 6.3 A, with LED display, for 5 - 15 V AC/DC[1]	black	**ST-SILED 12-UK 4**	0921024	50
with LED for 15-30 V AC/DC	black	**ST-SILED 24-UK 4**	0921037	50
with LED for 30-60 V AC/DC	black	**ST-SILED 60-UK 4**	0921040	50
with LED for 110-250 V AC/DC	black	**ST-SILA250-UK 4**	0921053	50
Component connector, for switching on 2-pos. components in the basic terminal block, fixing at screw terminal points, 19 mm high, max 16 A[3]	gray			
Component connector, to connect 2-pos. components into the basic terminal block, 19 mm high, with LED for 24 V AC/DC	gray			
with LED for 230 V AC/DC	gray			
Component connector, to connect 2-pos. components into the basic terminal block, with diode 1N 4007, 19 mm high[2]	gray			
Component plug, for 4-pos. components, two basic terminal blocks required per plug, with bridge rectifier B 250 C 1500, 19 mm high[4]	gray			
Isolating connector, 13.5 mm high, max. 16 A	gray			

Accessories

Plug pliers, simplify removing the isolating plug from a closed row of terminal blocks			

Center groove labeling

Ordering data

Type	Order No.	Pcs./Pkt.
ST-BE	2802316	10
ST-BE-LA 24	2802374	10
ST-BE-LA230	2802387	10
ST-1N4007	2802329	10
ST-B250C1500	2802345	10
ST-K 4	5025462	50

Accessories

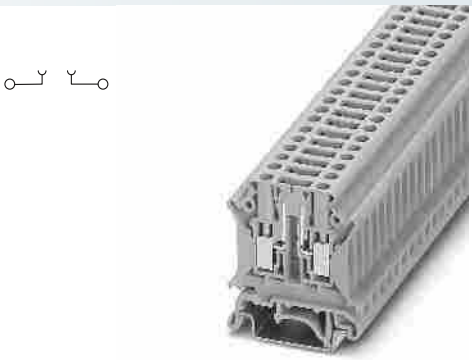
TZ	0306704	10

ZB 6 (see Catalog 3)

Disconnect terminal blocks, isolating and fuse connectors

– Compact, space-saving design
– Universal disconnect zone

Notes:
1) If the fuse is faulty, the downstream circuit is not off load.
2) Observe max. load current.
3) Current and voltage are determined by the plug used.
For corresponding function plugs, see phoenixcontact.net/products.



4 (6) mm², 16 A, disconnect terminal block

Function plug for universal disconnect zone

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**42.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**42.5**	**52**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16³)	**500³)**	**0.2 - 6**	**20-10**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500³)	600	-	-
Nominal current / cross section	[A] / [mm²]	16³) / 1.5	15	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 10	20-10	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
Max. cross section with insertion bridge	[mm²]	4	4	-	-
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Technical data

Width	Length	Height NS 35/7,5		
3.5	**10.8**	**-**		
Width	Length	Height NS 32		
3.5	**10.8**	**-**		
$I_{max.}$ [A]		max. Ø [mm²]	AWG (UL)	
20		**-**	**-**	
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
-	-	-	-	
- / -	-	15 / -	-	
-	-	-	-	
-	-	-	-	
Rigid	Flexible	Ferrule without/with plastic sleeve		
-	-	-	-	
-	-	-	-	
-	-	-	-	
-				
-				
-				
PA				
V2				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Disconnect terminal block, for mounting on NS 35 DIN rail		gray	**UK 5 N-TG**		3000604	50
Isolating plug²)		orange				
Feed-through connector²)		gray				
Component connector, labeled with ZBF 5 or UC–TMF 5		gray				
Fuse connector, width: 5.2 mm		black				
with LED for 12 - 30 V DC, 0.31 - 0.95 mA¹)		black				
30 - 60 V AC/DC, 0.40 - 0.86 mA¹)		black				
for 110 - 250 V AC/DC, 0.41 - 0.96 mA		black				
Fuse connector, width: 8.2 mm		black				
with LED for 12 - 30 V DC, 0.31 - 0.95 mA¹)		black				
30 - 60 V AC/DC, 0.40 - 0.86 mA¹)		black				
for 110 - 250 V AC/DC, 0.41 - 0.96 mA		black				

Ordering data

Type	Order No.	Pcs./Pkt.
P-DI	3036783	50
P-FIX	3038956	50
P-CO	3036796	10
P-FU 5X20-5	3209235	10
P-FU 5X20 LED 24	3036819	10
P-FU 5X20 LED 60	3036822	10
P-FU 5X20 LA 250	3036835	10
P-FU 6,3X32	3046498	10
P-FU 6,3X32 LED 24	3046508	10
P-FU 6,3X32 LED 60	3046511	10
P-FU 6,3X32 LA 250	3046524	10

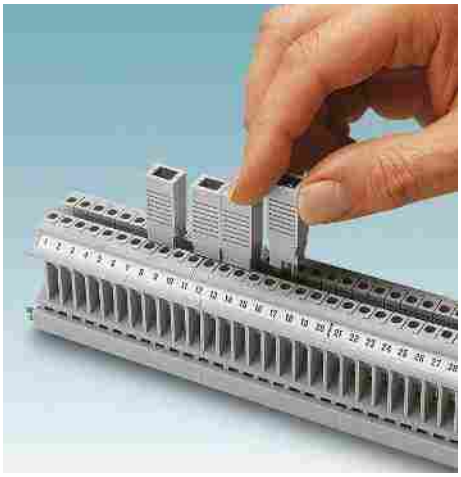
Accessories

Cover, width: 1.8 mm		gray	**D-UK 4/10**		3003020	50
Insertion bridge, insulated						
	2	gray	**EB 2- 6**	16 A	0201155	100
	3	gray	**EB 3- 6**	16 A	0201142	100
	10	gray	**EB 10- 6**	16 A	0201139	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 3)**			

Accessories

Type	Order No.	Pcs./Pkt.

Component connectors, BES 6



- Advantageous when adding any 2-pos. components, such as diodes or varistors, between two neighboring feed-through terminal blocks at a later date
- Is supplied as a set with two female connectors
- The female connectors are screwed into the center thread of the feed-through terminal blocks. They are of different lengths, which determines the correct functional direction (corresponds to the vertically offset multiple-spring wire plugs) and prevents confusion later on
- If several BES 6 connectors are fitted next to each other, separating disks should be provided between the pairs of terminal blocks in order to prevent incorrect plugging
- To insert the components, the upper half of the housing is lifted, thus exposing the connector pins for soldering
- Versions are available with a LED display or diode. These serve as a protective circuit for DC loads

The connector can be used with the terminal blocks:

- MBK 5: Dimension a = 64 mm on DIN rail NS 15
- MBK 5/E-Z: Dimension a = 68 mm on DIN rail NS 15
- UK 5 N: Dimension a = 75 mm on DIN rail NS 35/7,5
- UKK 5: Dimension a = 92 mm on DIN rail NS 35/7,5
- UKKB 5: Dimension a = 92 mm on DIN rail NS 35/7,5
- UVKB 4: Dimension a = 76 mm on DIN rail NS 35/7,5

Notes:

[1]) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 1.0 A

Component connector

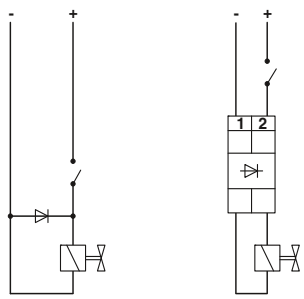
EAC

Technical data

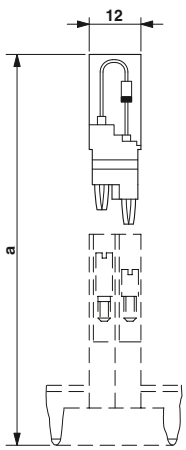
General data	
Insulating material	PA
Flammability rating in accordance with UL 94	V2

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Component plug, complete, for connection of components between two neighboring feed-through terminal blocks	gray	**BES 6**	2802549	10
Component plug, complete, for connection of components between two neighboring feed-through terminal blocks, with diode 1N 4007[1])	gray	**BES 6-1N4007**	2802552	10
Component plug, with LED display, 15 - 30 V DC	gray	**BES 6-LA 24**	2802565	10
Component plug, with LED display, 110 - 250 V AC/DC	gray	**BES 6-LA230**	2802578	10



Damping diode with feed-through terminal blocks and BES 6

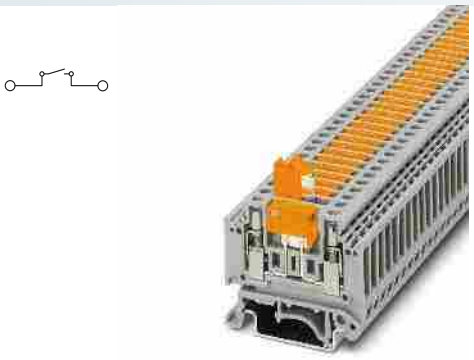


Construction: BES 6

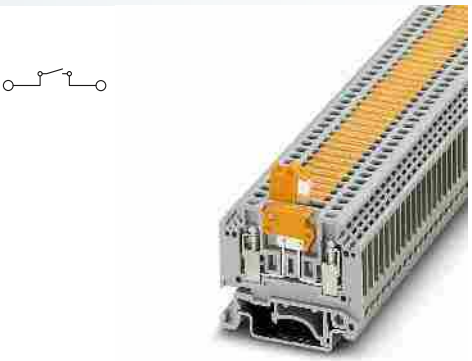
Knife disconnect terminal blocks MTK ...

For maintenance work or rapid troubleshooting, these disconnect terminal blocks are used in measurement, closed-loop control and single-loop control systems:

– Convenient disconnect knife operation
– Space-saving design
– High current-carrying capacity up to 16 A
– Versions with integrated test socket screws



2.5 (4) mm², 16 A, knife disconnect terminal block with test socket screw



2.5 (4) mm², 16 A, knife disconnect terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**46**	**51.5**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**5.2**	**46**	**56.5**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**400**	**0.2 - 4**	**28-12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	16 / 2.5	10 / -	15 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	24 - 12	28-12	28-12	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	4	2.5	-	-
General data					
Stripping length	[mm]	7			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides		gray	**MTK-P/P**		3104013	50
		blue	**MTK-P/P BU**		3104097	50
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with screw connection on both sides		gray				
		blue				
Feed-through terminal block, without disconnect knife, with test socket screws with screw connection		gray				
		gray				
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides, bridgeable in both levels		gray				
		blue				
Without test socket screws		gray				
Knife disconnect terminal block, for mounting on NS 35...		gray				

Accessories

Cover, width: 1 mm		gray	**D-MTK**		3101029	50
		blue	**D-MTK BU**		3101090	50
Insertion bridge, insulated						
	2	gray	**EBL 2- 5**	12 A	2303145	10
	3	gray	**EBL 3- 5**	12 A	2303158	10
	10	gray	**EBL 10- 5**	12 A	2303132	10
Partition plate, for visual and electrical separation of terminal groups, 1.0 mm thick		gray	**ATS-MTK**		3101223	50
Screwdriver			**SZG 0,6X3,5 VDE**		1205121	10
Lateral groove labeling			**ZB 5 (see Catalog 3)**			

Technical data

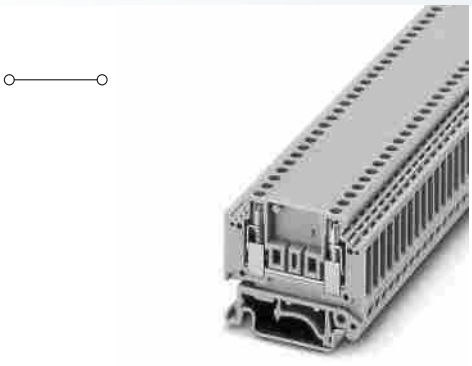
		Width	Length	Height NS 35/7,5	
		5.2	**46**	**51.5**	
		Width	Length	Height NS 32	
		5.2	**46**	**56.5**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**400**	**0.2 - 4**	**28-12**
		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
		400	300	300	-
		16 / 2.5	10 / -	15 / -	-
		2.5	-	-	-
		24 - 12	28-12	28-12	-
		Rigid	Flexible	Ferrule without/with plastic sleeve	
		0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
		0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
		-	-	-	0.5 - 1.5
		4	2.5	-	-
		7			
		M3			
		0.5 - 0.6			
		PA			
		V0			

Ordering data

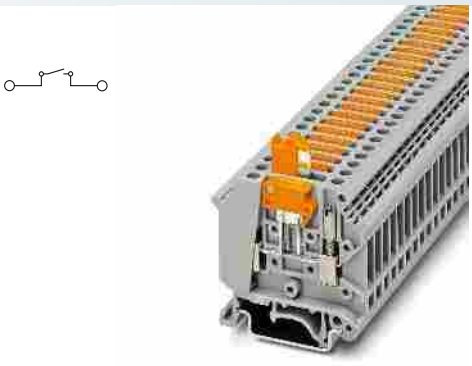
Type	I_{max}	Order No.	Pcs./Pkt.
MTK		3101016	50
MTK BU		3101197	50

Accessories

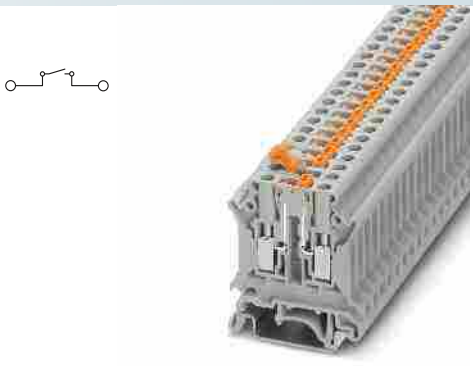
D-MTK		3101029	50
D-MTK BU		3101090	50
EBL 2- 5	12 A	2303145	10
EBL 3- 5	12 A	2303158	10
EBL 10- 5	12 A	2303132	10
ATS-MTK		3101223	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 5 (see Catalog 3)			



2.5 (4) mm², 16 A, feed-through terminal block, with test socket screw



4 (6) mm², 20 A, knife disconnect terminal block with test socket screw



4 (6) mm², 16 A, knife disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
5.2	**46.2**	**39.9**	
Width	Length	Height NS 32	
5.2	**46.2**	**44.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
16	**400**	**0.2 - 4**	**28-12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	600	-
16 / 2.5	10 / -	20 / -	-
2.5	-	-	-
24 - 12	28-12	28-12	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 1.5
4	2.5	-	-
7			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
MTKD-P/P		3100020	50
MTKD		3100017	50

Accessories

D-MTK		3101029	50
D-MTK BU		3101090	50
EBL 2- 5	12 A	2303145	10
EBL 3- 5	12 A	2303158	10
EBL 10- 5	12 A	2303132	10
ATS-MTK		3101223	50
SZG 0,6X3,5 VDE		1205121	10

ZB 5 (see Catalog 3)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**51**	**58.5**	
Width	Length	Height NS 32	
6.2	**51**	**63.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**500**	**0.2 - 6**	**22-12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
20 / 2.5	15 / -	-	-
4	-	-	-
24 - 10	22-12	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
4	4	-	-
8			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 5-MTK-P/P		3004032	50
UK 5-MTK-P/P BU		3004058	50
UK 5-MTK		3004430	50

Accessories

D-UK 4/10		3003020	50
EB 2- 6	12 A	0201155	100
EB 3- 6	12 A	0201142	100
EB 10- 6	12 A	0201139	10
ATP-UK 5-MTK		3004210	50
SZG 0,6X3,5 VDE		1205121	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 3)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**42.5**	**48.7**	
Width	Length	Height NS 32	
6.2	**42.5**	**53.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
16	**500**	**0.2 - 6**	**20-10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
16 / 1.5	15 / -	-	-
4	-	-	-
24 - 10	20-10	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
4	4	-	-
8			
M3			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 5 N-MT		3000563	50

Accessories

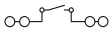
D-UK 4/10		3003020	50
D-UK 4/10 BU		3003101	50
EB 2- 6	16 A	0201155	100
EB 3- 6	16 A	0201142	100
EB 10- 6	16 A	0201139	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 3)

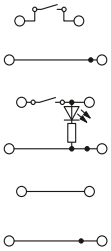
UK universal modular terminal blocks

Knife disconnect terminal blocks

– Convenient disconnect knife operation
– Closed housing of double-level terminal blocks
– The disconnect knife on the associated level is characterized by a slight vertical offset
– Space-saving design just 6.2 mm wide



4 (6) mm², 16 A, knife disconnect terminal block, 4 connections, with test socket screw



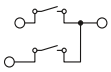
4 (4) mm², 26 A, double-level knife disconnect terminal block, with test socket screw

EAC

EAC

Technical data					Technical data			
Dimensions	Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
[mm]	**6.2**	**63.5**	**47**		**6.1**	**80**	**68**	
Dimensions	Width	Length	Height NS 32		Width	Length	Height NS 32	
[mm]	**6.2**	**63.5**	**52**		**6.1**	**80**	**73**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	16	**630**	**0.2 - 6**	**30-10**	**26**	**400**	**0.2 - 4**	**26-12**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	630	600	600	-	400	300	300	-
Nominal current / cross section [A] / [mm²]	16 / 4	15 / -	15 / -	-	26 / 4	-	15 / -	-
Rated cross section [mm²]	4	-	-	-	4	-	-	-
Cross section range AWG	24 - 10	30-10	22-10	-	24 - 12	26-12	22-12	-
Rated data, upper level	IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Nominal current / cross section [A] / [mm²]	-	-	-	-	12 / 4	-	-	-
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type) [mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1	-	-	-	0.5 - 1.5
Max. cross section with insertion bridge [mm²]	2.5	2.5	-	-	-	-	-	-
General data								
Stripping length [mm]	8				8			
Screw thread	M3				M3			
Tightening torque [Nm]	0.6 - 0.8				0.6 - 0.8			
Insulating material	PA				PA			
Flammability rating in accordance with UL 94	V2				V2			

Ordering data					Ordering data			
Description	No. of pos.	Color	**Type**	I_{max}	**Order No.**	Pcs./Pkt.	**Type**	I_{max}	**Order No.**	Pcs./Pkt.
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides		gray	**UDK 4-MTK-P/P**		2775210	50	**UKK 5-MTK-P/P**		2800004	50
		blue	**UDK 4-MTK-P/P BU**		2775223	50				
Knife disconnect terminal block, for mounting on NS 32... or NS 35..., with test socket screws on both sides, bridgeable in both levels		gray								
Double-level terminal block, for mounting on NS 32... or NS 35..., with disconnect knife and LED display for 12 V DC		gray					**UKK 5-MTK-P/P-LA 24RD/O-U**		2800020	50
Double-level terminal block, for mounting on NS 32... or NS 35..., with two through contacts, without LED display		gray					**UKK 5-MTKD-P/P**		2800017	50
Accessories							**Accessories**			
Cover, width: 1.5 mm		gray	**D-UDK 4**		2775113	50				
		blue	**D-UDK 4 BU**		2775197	50				
Fixed bridge, isolated	10	silver					**FBI 10- 6**	22 A	0203250	10
Insertion bridge, insulated	2	gray	**EB 2- 6**	12 A	0201155	100				
	3	gray	**EB 3- 6**	12 A	0201142	100				
	10	gray	**EB 10- 6**	12 A	0201139	10				
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10	**SZG 0,6X3,5 VDE**		1205121	10
Lateral groove labeling			**ZB 6 (see Catalog 3)**				**ZB 6 (see Catalog 3)**			



4 (4) mm², 8 A, feed-through terminal block, 3 connections, with two disconnect knives, test socket screw

EAC

Technical data

Width	Length	Height NS 35/7,5	
6.2	**76.5**	**68.5**	
Width	Length	Height NS 32	
6.2	**76.5**	**73.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
8	**400**	**0.2 - 4**	**26-12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
8 / 4	8 / -	8 / -	-
4	-	-	-
24 - 12	26-12	28-12	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
8 / 4	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-
8			
M3			
0.6 - 0.8			
PA			
V2			

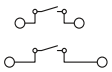
Ordering data

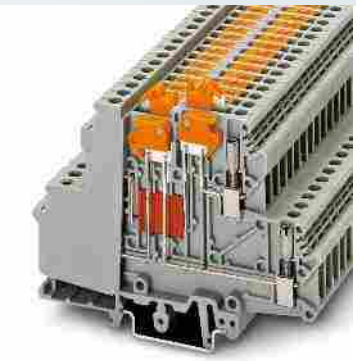
Type	Order No.	Pcs./Pkt.
UDMTK 5-TWIN-P/P	3101126	50
UDMTK 5-TWIN-P/P BU	3101139	50

Accessories

SZG 0,6X3,5 VDE	1205121	10

ZB 6 (see Catalog 3)





4 (4) mm², 10 A, double-level terminal block, one disconnect knife per level, test socket screw

EAC

Technical data

Width	Length	Height NS 35/7,5	
6.2	**93**	**68.5**	
Width	Length	Height NS 32	
6.2	**93**	**73.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
10	**400**	**0.2 - 4**	**26-12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
10 / 4	10	15 / -	-
4	-	-	-
24 - 12	26-12	28-12	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
8 / 4	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-
8			
M3			
0.6 - 0.8			
PA			
V2			

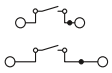
Ordering data

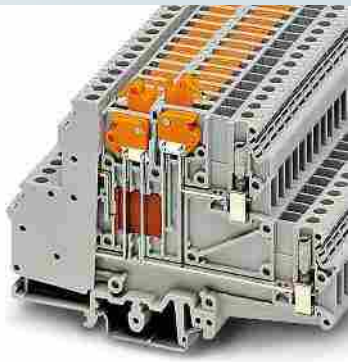
Type	Order No.	Pcs./Pkt.
UDMTK 5-P/P	3101087	50
UDMTK 5-P/P BU	3101113	50

Accessories

SZG 0,6X3,5 VDE	1205121	10

ZB 6 (see Catalog 3)





4 (4) mm², 10 A, double-level terminal block, one disconnect knife and bridge shaft per level, test socket screw

EAC

Technical data

Width	Length	Height NS 35/7,5	
6.2	**106**	**68.5**	
Width	Length	Height NS 32	
6.2	**106**	**73.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
10	**400**	**0.2 - 4**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
10 / 4	-	-	-
4	-	-	-
24 - 12	-	-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
8 / 4	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-
8			
M3			
0.5 - 0.6			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UDMTKB 5-P/P		3024478	50

Accessories

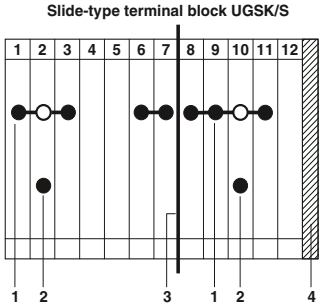
FBI 10- 6	10 A	0203250	10
SZG 0,6X3,5 VDE		1205121	10

ZB 6 (see Catalog 3)

Slide-type terminal block UGSK/S
Disconnect terminal block URTK/SS

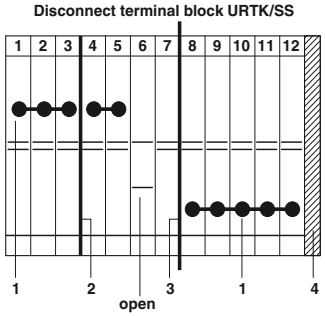
– Simple and clear testing in current transformer secondary circuits can be undertaken with the slide-type terminal block UGSK/S for cross switching
– Measurement equipment or protective relays can be individually activated with the aid of bridges and slides
– For this purpose, the slides make contact with the switching bridge depending on the switching task
– The URTK/SS allow the transformer test circuits to be designed to be very compact and clear

Slide-type terminal block UGSK/S



	Type	Order no.
1	FB 10-GSK/S	0305174
2	GS-GSK/S	0305116
3	ATS-GSK	0304227
4	D-UGSK	0304023

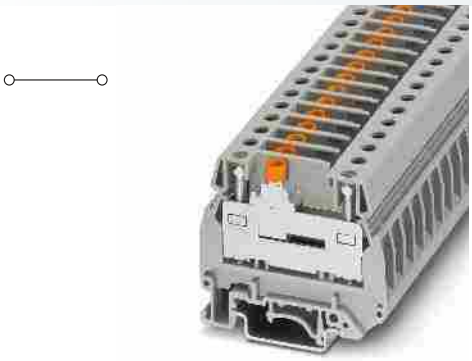
Disconnect terminal block URTK/SS



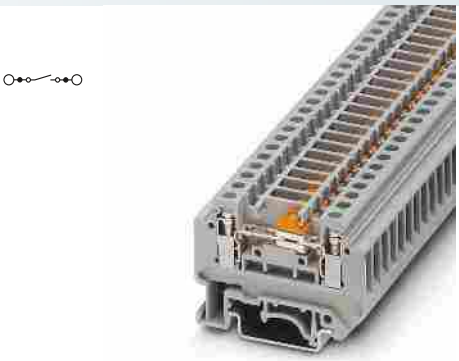
	Type	Order no.
1	FBRNI 10-6	2770626
2	TS-URTK/SS	0321213
3	ATS-URTK/SS	0321226
4	D-URTK/SS	0321022

Dimensions	
	[mm]
Dimensions	
	[mm]
Maximum electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
2 conductors (of the same type)	[mm²]
2 flexible conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Terminal point: Thread / torque	- / [Nm]
Disconnect slide: Thread / torque	- / [Nm]
Insulating material	
Flammability rating in accordance with UL 94	

Description	No. of pos.	Color
Slide terminal block, for mounting on NS 32... or NS 35...		gray
Without slide		gray
Disconnect terminal block, for mounting on NS 32... or NS 35...		gray
Cover, width: 2.2 mm		gray
Cover, width: 1 mm		gray
Fixed bridge	10	silver
Slide, for switchable connection along with FB 10-GSK/S or FB-GSK		silver
Separating plate, for separation of neighboring bridges in terminal center, width: 0.8 mm		gray
Separating disk, 0.8 mm wide		gray
Slide with a test socket, insulated, for the UGSK/S terminal block, M3.5 thread		transparent
		white
		red
		blue
		yellow
		green
		violet
		gray
		black
Screwdriver		
Lateral groove labeling		



6 (10) mm², 57 A, slide-type terminal block



4 (4) mm², 26 A, disconnect terminal block

EAC

Technical data

Width	Length	Height NS 35/7,5	
8.2	**61**	**52.7**	
Width	Length	Height NS 32	
8.2	**61**	**57.6**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
57	**500**	**0.5 - 10**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
41 / 6	-	-	-
6	-	-	-
20 - 8	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 4
0.5 - 1.5	0.5 - 4	0.5 - 4	-
-	-	-	0.5 - 4
11			
M4 / 1.5 - 1.8			
- / -			
PA			
V2			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UGSK/S + GS		0313085	50
UGSK/S		0305080	50

Accessories

D-UGSK		0304023	50
FB 10- GSK/S	43 A	0305174	10
GS-GSK/S		0305116	100
TS-GSK		0304214	50
ATS-GSK		0304227	50
PSBJ-GSK/S FARBLOS		0305394	10
PSBJ-GSK/S WH		0305310	10
PSBJ-GSK/S RD		0305323	10
PSBJ-GSK/S BU		0305336	10
PSBJ-GSK/S YE		0305349	10
PSBJ-GSK/S GN		0305352	10
PSBJ-GSK/S VT		0305365	10
PSBJ-GSK/S GY		0305378	10
PSBJ-GSK/S BK		0305381	10
SZS 1,0X4,0 VDE		1205066	10

ZB 8 (see Catalog 3)

EAC

Technical data

Width	Length	Height NS 35/7,5	
6.2	**56.5**	**40**	
Width	Length	Height NS 32	
6.2	**56.5**	**45**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
26	**400**	**0.2 - 4**	**28-12**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	300	-
26 / 4	20 / -	25 / -	-
4	-	-	-
24 - 12	28-12	28-12	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
7			
M3 / 0.6 - 0.8			
M2,6 / 0.5 - 0.6			
PA			
V0			

Ordering data

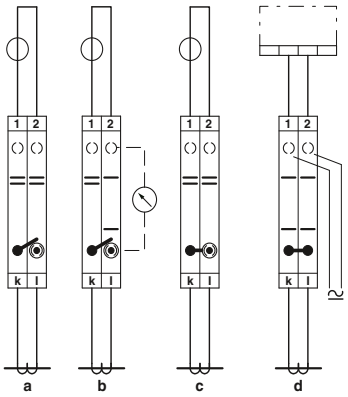
Type	I_{max}	Order No.	Pcs./Pkt.
URTK/SS		0321019	50

Accessories

D-URTK/SS		0321022	50
FBRNI 10-6 N	26 A	2770626	10
TS-URTK/SS		0321213	50
ATS-URTK/SS		0321226	100
SF-SL 0,6X3,5-100 S-VDE		1212587	10

ZB 6 (see Catalog 3)

Meas. transducer disconnect terminal block URTK/S ...

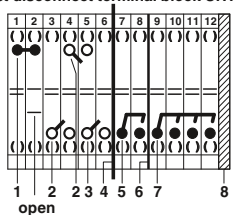


– Easy and clear testing in current transformer secondary circuits can be performed with the test disconnect terminal blocks of the URTK/S range
– On both sides of the disconnect point, the terminal block has a test socket which can also be used to switch across to neighboring terminal blocks
– The URTK/S−BEN ... terminal blocks are provided with test socket screws for test plugs with a 4 mm diameter

– All switching tasks with two terminal blocks per current transformer core can be implemented with the URTK/S and URTK/S-BEN 10 test disconnect terminal blocks

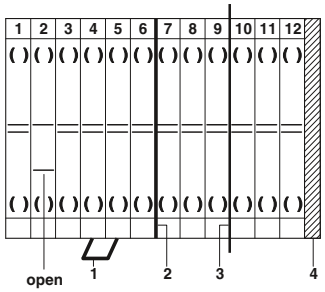
a Normal operation
b Measurement checking
c Transformer short circuit
d Relay checking

Test disconnect terminal block URTK/S



	Type	Order no.
1	FB 10-RTK/S	0311171
2	USB 2-RTK/S	0311278
3	ASB 2-RTK/S	0311281
4	ATS-RTK	0310224
5	SB 2-RTK/S	0311236
6	TS-RTK	0310211
7	SB 4-RTK/S	0311265
8	D-URTK	0310020

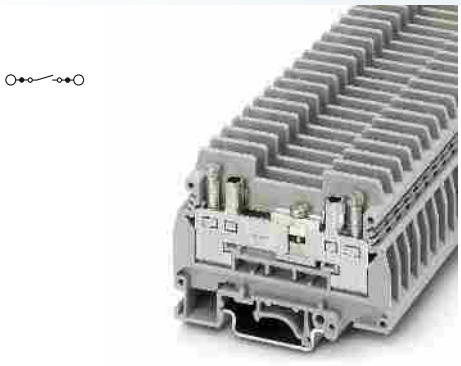
Test disconnect terminal block URTK/S-BEN 10



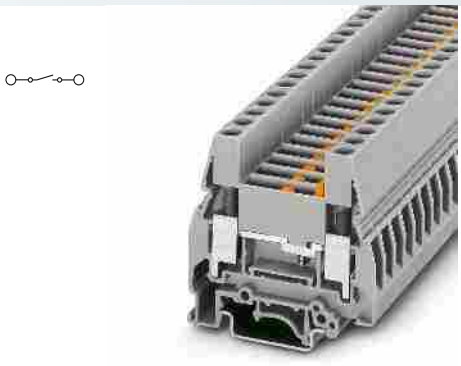
	Type	Order no.
1	EB 2-8	0202154
2	TS-RTK-BEN	0308210
3	ATS-RTK-BEN	0308223
4	D-URTK/S-BEN	0308029

Dimensions	
	[mm]
Dimensions	
	[mm]
Maximum electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
2 conductors (of the same type)	[mm²]
2 flexible conductors with a TWIN ferrule	[mm²]
Max. cross section with insertion bridge	[mm²]
General data	
Stripping length	[mm]
Terminal point: Thread / torque	- / [Nm]
Disconnect slide: Thread / torque	- / [Nm]
Insulating material	
Flammability rating in accordance with UL 94	

Description	No. of pos.	Color
Terminal block, for mounting on NS 32... or NS 35...		gray
Cover, width: 2.2 mm		gray
Insertion bridge, fully insulated		
	2	gray
	3	gray
	4	gray
	10	gray
Fixed bridge, for cross connections on both sides of the disconnect point, divisible, with 10 screws		
	10	silver
Switching bridge for two terminal blocks, usable for both sides of the disconnect point, with 2 screws		
Inward switching	2	silver
Outward switching	2	silver
Switch bar for 2 terminal blocks, with 2 screws		
	2	silver
Switching bridge, for 3-phase short-circuiting of linked current transformer sets, with 4 screws		
	4	silver
Separating plate, for electrical separation of neighboring bridges at the terminal center		gray
Partition plate, for visual and electrical separation of terminal groups		gray
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide		white
Screwdriver		
Lateral groove labeling		



6 (10) mm², 57 A, test disconnect terminal block



10 (16) mm², 76 A, test disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**72**	**51.5**	
Width	Length	Height NS 32	
8.2	**72**	**56.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
57	**400**	**0.5 - 10**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	300	-
41 / 6	- / -	40 / -	-
6	-	-	-
20 - 8	-	26-10	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 4
0.5 - 2.5	0.5 - 6	0.5 - 4	-
-	-	-	0.5 - 4
-	-	-	-
13			
M4 / 1.2 - 1.5			
M3 / 0.6 - 0.8			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
8.2	**61**	**58.5**	
Width	Length	Height NS 32	
8.2	**61**	**63.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
76	**500**	**0.5 - 16**	**26-8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	600	-
57 / 10	50 / -	55 / -	-
10	-	-	-
20 - 6	26-8	26-8	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 6	0.5 - 4	0.5 - 6	-
-	-	-	0.5 - 4
10	10	-	-
11			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
URTK/S		0311087	50

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
URTK/S-BEN 10		0309109	50

Accessories

D-URTK		0310020	50
EB 2- 8	41 A	0202154	100
EB 3- 8	41 A	0202141	100
EB 4- 8	41 A	0202142	100
EB 10- 8	41 A	0202138	10
FB 10- RTK/S	41 A	0311171	10
USB 2-RTK/S	35 A	0311278	10
ASB 2-RTK/S	35 A	0311281	10
SB 2-RTK/S	35 A	0311236	10
SB 4-RTK/S	35 A	0311265	10
TS-RTK		0310211	50
ATS-RTK		0310224	50
S		0308359	100
SZS 1,0X4,0 VDE		1205066	10
ZB 8 (see Catalog 3)			

Accessories

D-URTK/S-BEN		0308029	50
EB 2- 8	41 A	0202154	100
EB 3- 8	41 A	0202141	100
EB 4- 8	41 A	0202142	100
EB 10- 8	41 A	0202138	10
TS-RTK-BEN		0308210	50
ATS-RTK-BEN		0308223	100
SZG 0,9X6,5 VDE		1205134	10
ZB 8 (see Catalog 3)			

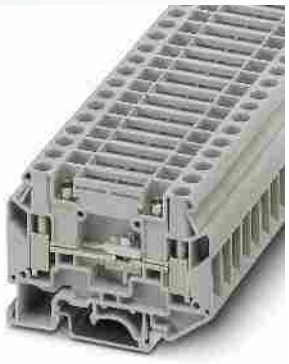
UK 6-T test disconnect terminal blocks

– Easy and clear testing in the current transformer secondary circuits can be performed using the UK 6-T test disconnect terminal block
– Compact design
– Switching bridges with and without test sockets

PROJECT complete planning enables the quick and convenient planning and configuration of error-free terminal strips.

Notes:

For additional test sockets, bridge bars, and separating disks, visit phoenixcontact.net/products



6 (10) mm², 57 A, disconnect terminal block, with test sockets

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**8.2**	**66.5**	**48**
Dimensions		Width	Length	Height NS 32
	[mm]	**8.2**	**66.5**	**53**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		57	**500**	**0.5 - 10** / **26-8**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	41 / 6	30	30 / -
Rated cross section	[mm²]	6	-	- / -
Cross section range	AWG	20 - 8	26-8	26-8 / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6 / 0.5 - 6
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.5 - 4	0.5 - 2.5 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 4
General data				
Stripping length	[mm]	10		
Terminal point: Thread / torque	- / [Nm]	M4 / 1.5 - 1.6		
Disconnect slide: Thread / torque	- / [Nm]	M3 / 0.6 - 0.8		
Torque: Test socket, fixed bridge, switch bar	[Nm]	0.6 - 0.8		
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

Ordering data

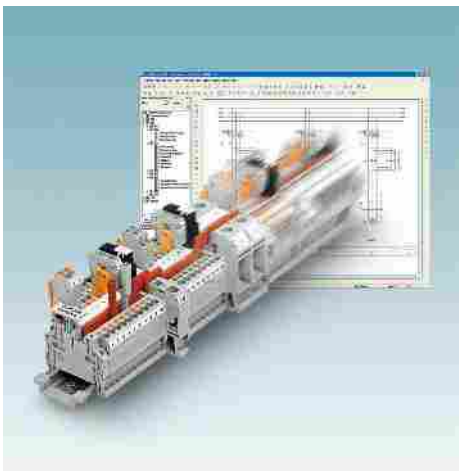
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Disconnect terminal block, with test sockets		gray	**UK 6-T-P**		3072800	50
Disconnect terminal block		gray				
Feed-through terminal block		gray				

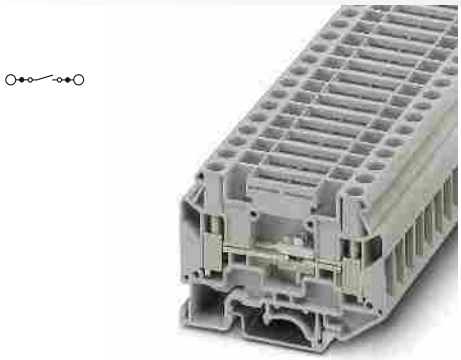
Accessories

Cover, width: 2.2 mm		gray	**D-UK 6-T**		3072802	50
Fixed bridge, 10-pos.	10	silver	**SCBI 10-8,15**	24 A	3245134	10
Isolator bridge bar, 10-pos.	10	silver	**SCBI 10-8,15 ISO**	24 A	3000417	10
Switching bridge	2	orange	**SB 6-T 2-8**	32 A	3075842	10
	3	orange	**SB 6-T 3-8**	32 A	3075843	10
	4	orange	**SB 6-T 4-8**	32 A	3075844	10
Switching bridge, complete with test sockets						
	2	orange	**SBP 6-T 2-8**	32 A	3070321	10
	3	orange	**SBP 6-T 3-8**	32 A	3070322	10
	4	orange	**SBP 6-T 4-8**	32 A	3070323	10
Test socket		silver	**TPS 3/20/5**		3246586	10
Test socket, insulated		orange	**PSBJ 6-T OG**		3070320	10
Modular test plug housing, labeling with ZBF 8		red	**PS-8/2,3MM RD**		3048564	10
4 mm Ø		silver	**MPS-MT/ 4MM**		3048577	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., $I_{max.}$ 20 A		black	**KSS 8**		0311540	10
4-pos.		black	**KSS 4- 8**		0309549	10
Screwdriver			**SF-SL 0,8X4,0-100 S-VDE**		1212588	10

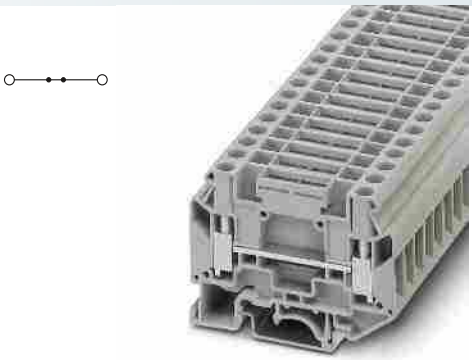
Lateral groove labeling

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)

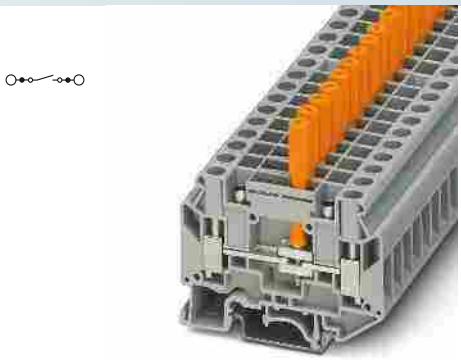




6 (10) mm², 57 A, disconnect terminal block



6 (10) mm², 57 A, feed-through terminal block



6 (10) mm², 57 A, disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	**66.5**	**48**	
Width	Length	Height NS 32	
8.2	**66.5**	**53**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
57	**500**	**0.5 - 10**	**26-8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	600	-
41 / 6	30	30 / -	-
6	-	-	-
20 - 8	26-8	26-8	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10			
M4 / 1.5 - 1.6			
M3 / 0.6 - 0.8			
-			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UK 6-T		3072803	50

Accessories

D-UK 6-T		3072802	50
SCBI 10-8,15	24 A	3245134	10
SCBI 10-8,15 ISO	24 A	3000417	10
SB 6-T 2-8	32 A	3075842	10
SB 6-T 3-8	32 A	3075843	10
SB 6-T 4-8	32 A	3075844	10
SBP 6-T 2-8	32 A	3070321	10
SBP 6-T 3-8	32 A	3070322	10
SBP 6-T 4-8	32 A	3070323	10
TPS 3/20/5		3246586	10
PSBJ 6-T OG		3070320	10
PS-8/2,3MM RD		3048564	10
MPS-MT/ 4MM		3048577	10
KSS 8		0311540	10
KSS 4- 8		0309549	10
SF-SL 0,8X4,0-100 S-VDE		1212588	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**66.5**	**48**	
Width	Length	Height NS 32	
8.2	**66.5**	**53**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
57	**800**	**0.5 - 10**	**26-8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
41 / 6	30	30 / -	-
6	-	-	-
20 - 8	26-8	26-8	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10			
M4 / 1.5 - 1.6			
- / -			
0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UKD 6		3072801	50

Accessories

D-UK 6-T		3072802	50
SCBI 10-8,15	24 A	3245134	10
SCBI 10-8,15 ISO	24 A	3000417	10
SB 6-T 2-8	32 A	3075842	10
SB 6-T 3-8	32 A	3075843	10
SB 6-T 4-8	32 A	3075844	10
SBP 6-T 2-8	32 A	3070321	10
SBP 6-T 3-8	32 A	3070322	10
SBP 6-T 4-8	32 A	3070323	10
TPS 3/20/5		3246586	10
PSBJ 6-T OG		3070320	10
PS-8/2,3MM RD		3048564	10
MPS-MT/ 4MM		3048577	10
KSS 8		0311540	10
KSS 4- 8		0309549	10
SF-SL 0,8X4,0-100 S-VDE		1212588	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**66.5**	**66**	
Width	Length	Height NS 32	
8.2	**66.5**	**71**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
57	**500**	**0.5 - 10**	**26-8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	600	-
41 / 6	30	30 / -	-
6	-	-	-
20 - 8	26-8	26-8	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10			
M4 / 1.5 - 1.6			
- / -			
-			
PA			
V0			

Ordering data

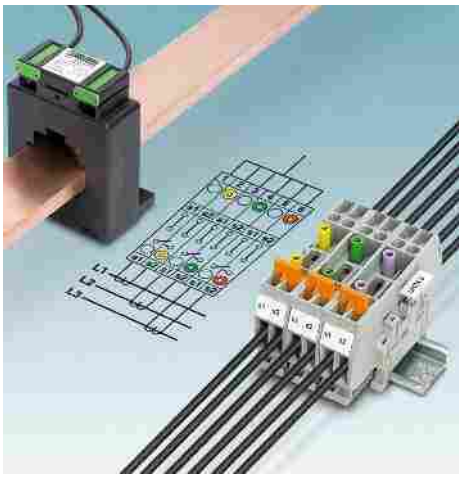
Type	I_{max}	Order No.	Pcs./Pkt.
UK 6-TK-P		3072804	50

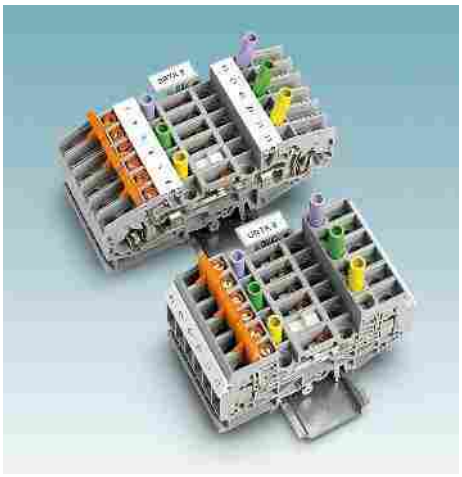
Accessories

D-UK 6-T		3072802	50
SCBI 10-8,15	24 A	3245134	10
SCBI 10-8,15 ISO	24 A	3000417	10
TPS 3/20/5		3246586	10
PSBJ 6-T OG		3070320	10
PS-8/2,3MM RD		3048564	10
MPS-MT/ 4MM		3048577	10
KSS 8		0311540	10
KSS 4- 8		0309549	10
SF-SL 0,8X4,0-100 S-VDE		1212588	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)

Measuring transducers and slide-type terminal blocks URTK 6 / UGSK 6

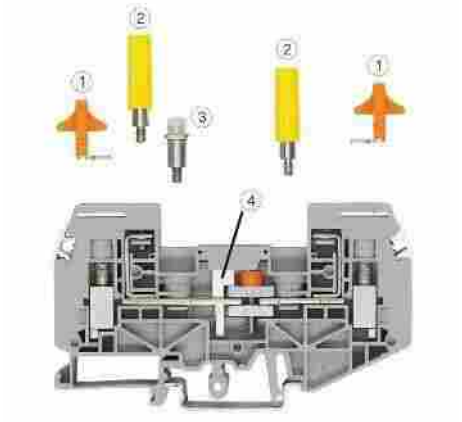


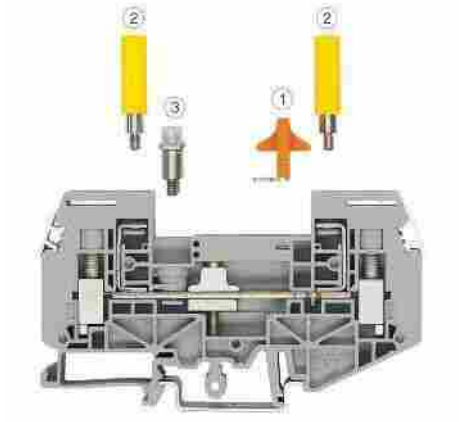


Notes:
For other test sockets, see page 587
For corresponding AP-ME and AH-ME terminal strip covers, see Catalog 3.

– The URTK 6 test disconnect terminal block and the UGSK 6 slide-type terminal block were developed specifically for use in current transformer secondary circuits
– Can be fitted on both sides with fixed and switchable bridges as well as test sockets with a 4 mm diameter

– The extensive range of accessories of the URTK 6 measuring transducer disconnect terminal blocks with spring-cage connection can also be used for the SRTK 6 measuring transducer disconnect terminal blocks with screw connection.
– For more information and technical data on the spring-cage connection versions, see page 240





– Only two URTK 6 test disconnect terminal blocks are required for a current transformer measuring circuit
– Less space required compared to creating circuits with slide-type terminal blocks

① SB ... switch bar
② 4 mm Ø test sockets PSBJ-URTK 6 ...
③ Fixed bridge for cross connection
FBRI 10-8 N
Switching lock S-URTK/SP

– Several measuring devices or protective relays can be connected individually using the UGSK 6 slide-type terminal block
– The slide can be connected with the switch bar depending on the switching tasks

① SB ... switch bar
② 4 mm Ø test sockets PSBJ-URTK 6 ...
③ Fixed bridge for cross connection
FBRI 10-8 N

Dimensions	
	[mm]

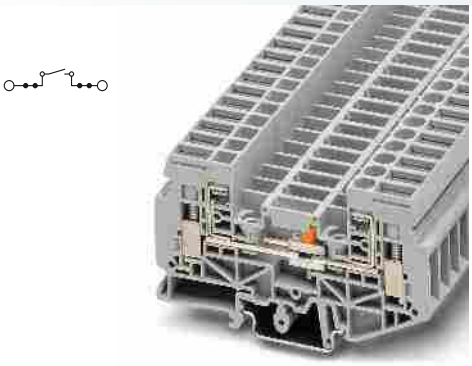
Dimensions	
	[mm]

Maximum electrical data	

Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
2 conductors (of the same type)	[mm²]
2 flexible conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Terminal point: Thread / torque	- / [Nm]
Disconnect slide: Thread / torque	- / [Nm]
Torque: Test socket, fixed bridge, switch bar	[Nm]
Insulating material	
Flammability rating in accordance with UL 94	

Description	No. of pos.	Color
Test disconnect terminal block, for mounting on NS 35 ... and NS 32 ...		gray
Feed-through terminal block, for mounting on NS 32... or NS 35...		gray
Cover, width: 2 mm		gray
Switching bridge, complete		
	2	orange
	3	orange
	4	orange
for bridging between non-adjacent terminals	10	orange
Fixed bridge, isolated		
	10	silver
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide		white
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos.		black
		black
Test socket, insulated		transparent
		blue
		yellow
		green
		violet
		black
Screwdriver, for the terminal point		
Screwdriver, for the female test connector		

Lateral groove labeling



6 (10) mm², 57 A, test disconnect terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	91	51	
Width	Length	Height NS 32	
8.2	91	56	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
57	500	0.5 - 10	26-8
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	-	-
41 / 6	50 / -	-	-
6	-	-	-
20 - 8	26-8	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10			
M4 / 1.2 - 1.4			
M3 / 0.6 - 0.8			
0.6 - 0.8			
PA			
V0			

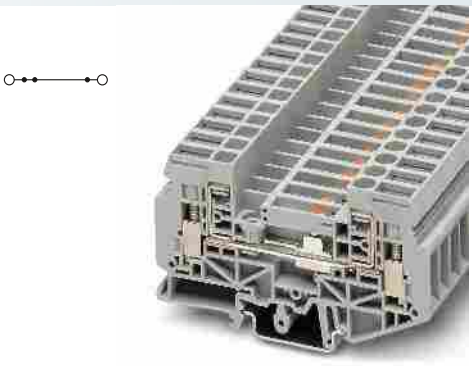
Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
URTK 6		3026272	50

Accessories

D-URTK 6		3026340	10
SB 2-8-T	41 A	3026366	10
SB 3-8-T	41 A	3026492	10
SB 4-8-T	41 A	3026379	10
SB 10-8-T SO	41 A	3026395	10
FBRI 10-8 N	45 A	2772080	10
S-URTK/SP		0311155	50
KSSI 2-8		3000722	10
KSSI 4-8		3000735	10
PSBJ-URTK 6 FARBLOS		3026450	10
PSBJ-URTK 6 BU		3026434	10
PSBJ-URTK 6 YE		3026405	10
PSBJ-URTK 6 GN		3026418	10
PSBJ-URTK 6 VT		3026421	10
PSBJ-URTK 6 BK		3026447	10
SZS 1,0X4,0 VDE		1205066	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)



6 (10) mm², 57 A, slide-type terminal block

Technical data

Width	Length	Height NS 35/7,5	
8.2	91	51	
Width	Length	Height NS 32	
8.2	91	-	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
57	400	0.5 - 10	26-8
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	300	-	-
41 / 6	50 / -	-	-
6	-	-	-
20 - 8	26-8	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10			
M4 / 1.2 - 1.4			
- / -			
-			
PA			
V0			

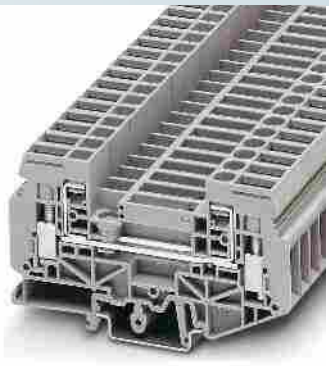
Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UGSK 6		3026285	50

Accessories

D-URTK 6		3026340	10
SB 2-8-T	41 A	3026366	10
SB 3-8-T	41 A	3026492	10
SB 4-8-T	41 A	3026379	10
SB 10-8-T SO	41 A	3026395	10
FBRI 10-8 N	45 A	2772080	10
KSSI 2-8		3000722	10
KSSI 4-8		3000735	10
PSBJ-URTK 6 FARBLOS		3026450	10
PSBJ-URTK 6 BU		3026434	10
PSBJ-URTK 6 YE		3026405	10
PSBJ-URTK 6 GN		3026418	10
PSBJ-URTK 6 VT		3026421	10
PSBJ-URTK 6 BK		3026447	10
SZS 1,0X4,0 VDE		1205066	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)



6 (10) mm², 57 A, feed-through terminal block, same shape

Technical data

Width	Length	Height NS 35/7,5	
8.2	91	51	
Width	Length	Height NS 32	
8.2	91	56	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
57	500	0.5 - 10	26-8
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	-	-
41 / 6	50 / -	-	-
6	-	-	-
20 - 8	26-8	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
10			
M4 / 1.2 - 1.4			
- / -			
0.6 - 0.8			
PA			
V0			

Ordering data

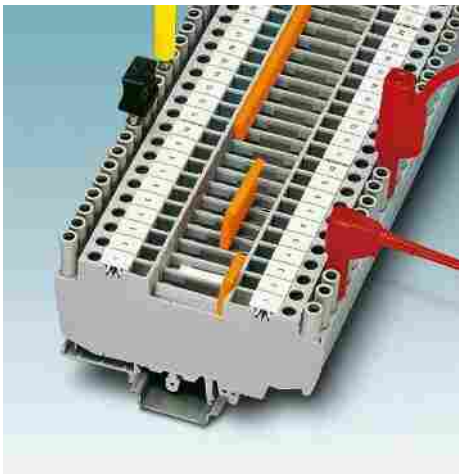
Type	I_{max}	Order No.	Pcs./Pkt.
URDK 6		3026706	50

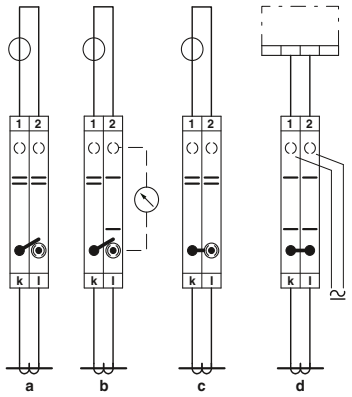
Accessories

D-URTK 6		3026340	10
SB 2-8-T	41 A	3026366	10
SB 3-8-T	41 A	3026492	10
SB 4-8-T	41 A	3026379	10
SB 10-8-T SO	41 A	3026395	10
FBRI 10-8 N	45 A	2772080	10
KSSI 2-8		3000722	10
KSSI 4-8		3000735	10
PSBJ-URTK 6 FARBLOS		3026450	10
PSBJ-URTK 6 BU		3026434	10
PSBJ-URTK 6 YE		3026405	10
PSBJ-URTK 6 GN		3026418	10
PSBJ-URTK 6 VT		3026421	10
PSBJ-URTK 6 BK		3026447	10
SZS 1,0X4,0 VDE		1205066	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)

Meas. transducers disconnect terminal blocks URTK/SP



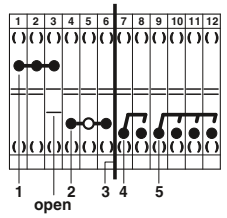


– Test disconnect terminal block URTK/SP should be used for all measurement and test work in the current transformer secondary circuits
– The terminal blocks can be equipped with fixed and switchable bridges on both sides
– Touch-proof test sockets with 4 mm diameter are already permanently integrated
– The URTKD/SP can be used as a feed-through terminal block of the same shape without a disconnect function

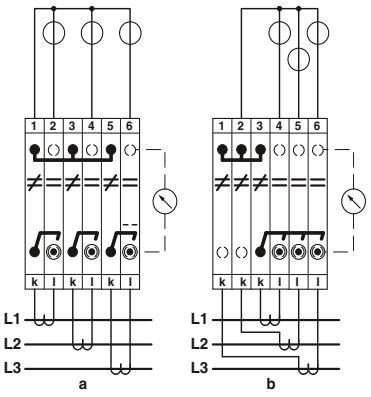
– The URTK/SP test disconnect terminal block and the SB 2−URTK/SP 2-pos. switching bridge can be used to perform all switching tasks per current transformer core

a Normal operation
b Measurement checking
c Transformer short circuit
d Relay checking

Test disconnect terminal block URTK/SP



	Type	Order no.
1	FBI 10-8	0203263
	FB 10-URTK/SP	0311663
2	ISSBI 10-8	0301534
	+ IS-K 10	1303337
3	ATP-URTK/SP	0311139
4	SB 2-URTK/SP	0360012
5	SB 4-URTK/SP	0360025

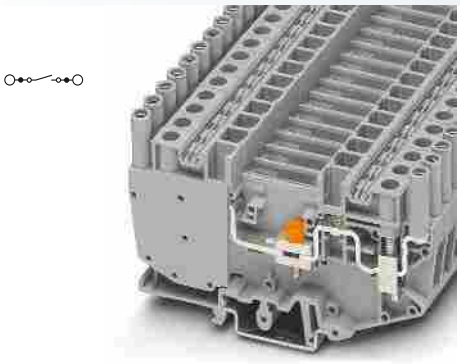


Circuit example

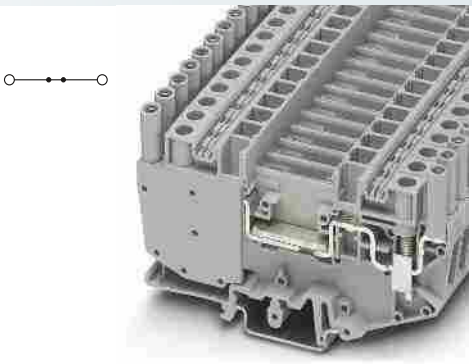
a Three-phase current transformer set
b Linked three-phase current transformer set

Dimensions	
	[mm]
Dimensions	
	[mm]
Maximum electrical data	
Rated data	
Rated voltage	[V]
Nominal current / cross section	[A] / [mm²]
Rated cross section	[mm²]
Cross section range	AWG
Connection capacity	
1 conductor	[mm²]
2 conductors (of the same type)	[mm²]
2 flexible conductors with a TWIN ferrule	[mm²]
General data	
Stripping length	[mm]
Terminal point: Thread / torque	- / [Nm]
Disconnect slide: Thread / torque	- / [Nm]
Insulating material	
Flammability rating in accordance with UL 94	

Description	No. of pos.	Color
Test disconnect terminal block, for mounting on NS 35 ... and NS 32 ...		gray
Feed-through terminal block, for mounting on NS 32... or NS 35...		gray
Fixed bridge, isolated	10	silver
Fixed bridge, for cross connections on both sides of the disconnect point, insulated, divisible, with 10 screws	10	silver
Switching bridge for 2 terminal blocks, for use on both sides of the disconnect point, inward switching movement, with 2 screws	2	silver
	4	silver
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver
Bridge bar isolator, as distance piece for isolator bridge bar		gray
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide		white
Partition plate, 2 mm width		gray
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos.		black
4-pos.		black
Screwdriver		
Lateral groove labeling		



6 (10) mm², 50 A, test disconnect terminal block



6 (10) mm², 50 A, feed-through terminal block, same shape

Short-circuit connector

Technical data

Width	Length	Height NS 35/7,5	
8.2	**99.5**	**59**	
Width	Length	Height NS 32	
8.2	**99.5**	**64**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
50	**500**	**0.5 - 10**	**26-8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	300	300	-
41 / 6	45 / -	45 / -	-
6	-	-	-
20 - 8	26-8	26-8	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
11			
M4 / 1.5 - 1.8			
M3 / 0.6 - 0.8			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
URTK/SP		0311126	50

Accessories

FBI 10- 8	50 A	0203263	10
FB 10- URTK/SP	50 A	0311663	10
SB 2-URTK/SP	35 A	0360012	10
SB 4-URTK/SP	35 A	0360025	10
ISSBI 10- 8	35 A	0301534	10
IS-K 10		1303337	100
S-URTK/SP		0311155	50
ATP-URTK/SP		0311139	10
SZS 1,0X4,0 VDE		1205066	10

ZB 8 (see Catalog 3)

Technical data

Width	Length	Height NS 35/7,5	
8.2	**99.5**	**59**	
Width	Length	Height NS 32	
8.2	**99.5**	**64**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
50	**500**	**0.5 - 10**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	-	-	-
41 / 6	-	-	-
6	-	-	-
20 - 8	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.5 - 4	0.5 - 2.5	-
-	-	-	0.5 - 4
11			
M4 / 1.5 - 1.8			
- / -			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
URTKD/SP		0311142	50

Accessories

FBI 10- 8	50 A	0203263	10
FB 10- URTK/SP	50 A	0311663	10
SB 2-URTK/SP	35 A	0360012	10
SB 4-URTK/SP	35 A	0360025	10
ISSBI 10- 8	35 A	0301534	10
IS-K 10		1303337	100
ATP-URTK/SP		0311139	10
SZS 1,0X4,0 VDE		1205066	10

ZB 8 (see Catalog 3)

Technical data

Width	Length	Height NS 35/7,5	
16.2	**11**	**-**	
Width	Length	Height NS 32	
16.2	**11**	**-**	
		max. Ø [mm²]	AWG (UL)
		-	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	-	-
-	-	-	-
-	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
-			
- / -			
- / -			
PA			
V0			

Ordering data

Type	Order No.	Pcs./Pkt.
KSSI 2-8	3000722	10
KSSI 4-8	3000735	10

Screw connection test disconnect terminal block with UK 4-SD test isolating plug

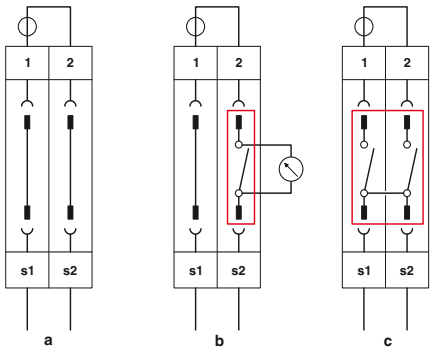
This disconnect terminal block offers numerous advantages especially for testing in measuring and signal circuits:

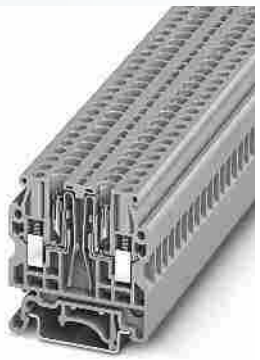
– Simultaneous interruption of individual or multiple neighboring disconnect terminal blocks by using the PS 6-DI-SD isolating plug
– Safe, uninterruptible looping in of measuring devices in the circuit with the aid of the PS 6-CT-SD test isolating plug
– Safe contacting of the potentials after opening the disconnect point through use of the PS 6-VT-SD test isolating plug
– Terminal points in the test isolating plugs allow individual test applications to be wired
– Easy potential distribution in the terminal strip with insertion bridges

PROJECT complete planning enables the quick and convenient planning and configuration of error-free terminal strips.

Circuit examples

a) Normal operation: no plug inserted
b) Measurement checking: looping in a measuring device with the PS 6-CT-SD test isolating plug
c) Current transformer short circuit: measurement split between two positions





4 (6) mm², test disconnect terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**6.2**	**45.5**	**47.3**
Dimensions		Width	Length	Height NS 32
	[mm]	**6.2**	**45.5**	**52.3**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		10	**500**	**0.5 - 6** / **20-10**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500	300	- / -
Nominal current / cross section	[A] / [mm²]	10 / 4	10	- / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	20 - 10	20-10	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.5 - 6	0.5 - 4	0.5 - 4 / 0.5 - 4
2 conductors (of the same type)	[mm²]	0.5 - 1.5	0.5 - 1.5	0.5 - 1.5 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1.5
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

Ordering data

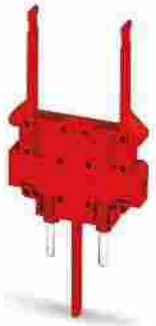
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Measuring transducer disconnect terminal block, for mounting on NS 35		gray	**UK 4-SD**		3246861	50
Isolating plug		gray				
Test isolating plug		green				
Test isolating plug		red				

Accessories

Cover, width: 2.2 mm		gray	**D-UK 4-SD**		3246862	50
Insertion bridge, insulated						
	2	gray	**EB 2- 6**	11 A	0201155	100
	3	gray	**EB 3- 6**	11 A	0201142	100
	10	gray	**EB 10- 6**	11 A	0201139	10
Partition plate, 1.5 mm wide		gray	**ATP-UK**		3003224	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 3)**			

Isolating plug, disconnect function only

2.5 (2.5) mm² test disconnect plug, contacts before the signal isolation



2.5 (2.5) mm² test disconnect plug, contacts after the signal isolation

Technical data

Width	Length	Height NS 35/7,5	
6.2	**39.3**	**-**	
Width	Length	Height NS 32	
6.2	**39.3**	**-**	
		max. Ø [mm²]	AWG (UL)
		-	**20-10**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	300	-	-
- / -	-	-	-
-	-	-	-
-	20-10	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
PA			
V0			

Ordering data

Type	Order No.	Pcs./Pkt.
PS 6-DI-SD	3246856	50

Accessories

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 3)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**39.3**	**-**	
Width	Length	Height NS 32	
6.2	**39.3**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
8	**250**	**0.5 - 2.5**	**20-10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	-	-
6 / -	10	-	-
2.5	-	-	-
20 - 14	20-10	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.5 - 2.5	0.5 - 1.5	0.5 - 1.5
-	-	-	-
-	-	-	-
7			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	Order No.	Pcs./Pkt.
PS 6-CT-SD	3246857	50

Accessories

SZF 1-0,6X3,5	1204517	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 3)

Technical data

Width	Length	Height NS 35/7,5	
6.2	**39.3**	**-**	
Width	Length	Height NS 32	
6.2	**39.3**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
8	**250**	**0.5 - 2.5**	**20-10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	300	-	-
6 / -	10	-	-
2.5	-	-	-
20 - 14	20-10	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 2.5	0.5 - 2.5	0.5 - 1.5	0.5 - 1.5
-	-	-	-
-	-	-	-
7			
M3			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	Order No.	Pcs./Pkt.
PS 6-VT-SD	3246858	50

Accessories

SZF 1-0,6X3,5	1204517	10

UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 3)

Double-level diode terminal blocks UKK ...

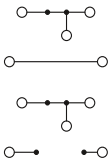
– Double-level diode terminal blocks with various forms of wiring are available for a huge range of applications
– Electronic components can be individually soldered with UKK 5-BE

Notes:

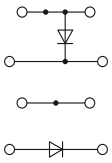
[1]) Integrated: Rectifier module B 250 C 1500, reverse voltage: 600 V, nominal voltage: 250 V, nominal current: 1.5 A

[2]) Max. installation width of components to be soldered in: 5 mm

[3]) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A



4 (4) mm², 32 A, double-level terminal block for soldering in components



4 (4) mm², 32 A, double-level diode terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**56**	**62**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**56**	**67**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**500**	**0.2 - 4**	**-**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	-	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	-	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**56**	**62**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**56**	**67**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**500**	**0.2 - 4**	**26-10**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	26-10	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, component can be soldered in[2])		gray	**UKK 5-BE**		3048027	50
Terminal block, for soldering in a component from top to bottom left and from bottom right to bottom left[2])		gray	**UKK 5-2 BE**		3048030	50
Terminal block, with integrated 1N 4007 diode, conducting from top to bottom[3])		gray				
Terminal block, with integrated 1N 4007 diode, conducting from bottom to top[3])		gray				
Terminal block, with integrated 1N 4007 diode, conducting from bottom left to bottom right[3])		gray				
Terminal block, with two integrated 1N 4007 diodes, conducting direction from top to bottom left and from bottom right to bottom left[1])		gray				

Accessories

Cover, width: 2.5 mm		gray	**D-UKK 3/5**		2770024	50
Spacer plate, compensates for level offsets, width: 2.5 mm		gray	**DP-UKK 3/5**		2770794	50
Fixed bridge, isolated	10	silver	**FBI 10- 6**	32 A	0203250	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**ZB 6 (see Catalog 3)**			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
UKK 5-DIO/O-U		2791016	50
UKK 5-DIO/U-O		2791032	50
UKK 5-DIO/UL-UR		2791029	50
UKK 5-2DIO/O-UL/UR-UL		2791113	50

Accessories

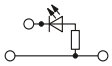
D-UKK 3/5		2770024	50
DP-UKK 3/5		2770794	50
FBI 10- 6	32 A	0203250	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 6 (see Catalog 3)			

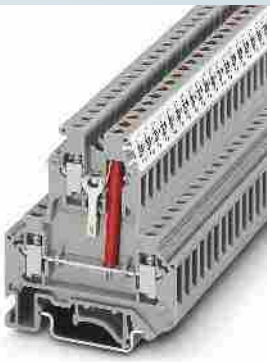
Double-level terminal blocks with LED display UKK ...

- The integrated LED display in UKK 5-LA ... indicates the voltage condition of the lower feed-through level
- Available in three voltage levels up to 250 V

Notes:

[1]) The operating voltage is determined by the LED version.





4 (4) mm², 32 A, double-level terminal block with LED

EAC

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**6.2**	**56**	**62**	
Dimensions	Width	Length	Height NS 32	
[mm]	**6.2**	**56**	**67**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	32	**500[1])**	**0.2 - 4**	**26-10**

Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[1])	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	20 / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	26-10	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5

General data	
Stripping length	[mm] 8
Screw thread	M3
Tightening torque	[Nm] 0.6 - 0.8
Insulating material	PA
Flammability rating in accordance with UL 94	V0

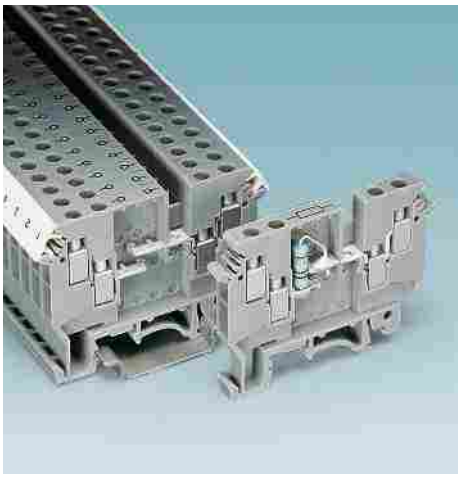
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Double-level terminal block, with LED display for 12 - 30 V DC, 0.7 - 2.4 mA		gray	**UKK 5-LA 24 RD/U-O**		**2791320**	50
with LED display for 110 - 250 V AC/DC, 0.1 - 0.5 mA		gray	**UKK 5-LA 230**		**2791359**	50

Accessories

Cover, width: 2.5 mm		gray	**D-UKK 3/5**		**2770024**	50
Spacer plate, compensates for level offsets, width: 2.5 mm		gray	**DP-UKK 3/5**		**2770794**	50
Fixed bridge, isolated	10	silver	**FBI 10- 6**	32 A	**0203250**	10
Insertion bridge, insulated	2	gray	**EB 2- 6**	28 A	**0201155**	100
	3	gray	**EB 3- 6**	28 A	**0201142**	100
	10	gray	**EB 10- 6**	28 A	**0201139**	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	24 A	**0301505**	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		**1302338**	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		**2770215**	50
Partition plate, 2.5 mm wide		gray	**ATP-UKK 3/5**		**2778521**	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		**1212587**	10
Lateral groove labeling			**ZB 6 (see Catalog 3)**			

Component terminal blocks UDK ...

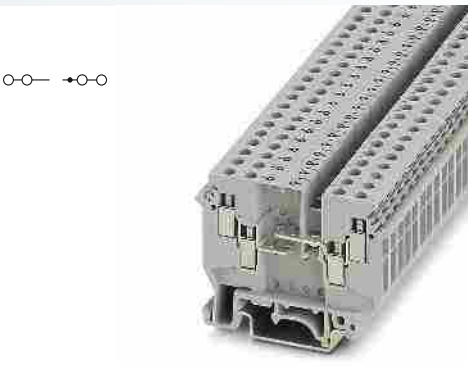


- The constant current circuits common in process automation transmit the measured values as a load-independent current of 0(4) - 20 mA
- A voltage signal pick-off can be implemented in the measuring line using this terminal block, thus allowing the signal to be used as an analog signal for process computers
- The four-conductor connection permits convenient wiring
- The lower level is assigned to the measuring line while the upper level is used for voltage pick-off via the 249 Ω resistor

Notes:

[1]) The current is determined by the component used.

Maximum width of components to be soldered in: 5 mm



4 (6) mm², feed-through terminal block, 4 connections, with differential voltage resistor

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**6.2**	**63.5**	**47**	
Dimensions	Width	Length	Height NS 32	
[mm]	**6.2**	**63.5**	**52**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		630	**0.2 - 6**	**-**
Rated data	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	630	-	600	-
Nominal current / cross section [A] / [mm²]	32[1]) / 4	-	10 / -	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 10	-	22-10	-
Connection capacity	Rigid	Flexible	Ferrule	without/with plastic sleeve
1 conductor [mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
2 conductors (of the same type) [mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1
Max. cross section with insertion bridge [mm²]	2.5	2.5	-	-
General data				
Stripping length [mm]	8			
Screw thread	M3			
Tightening torque [Nm]	0.5 - 0.6			
Insulating material	PA			
Flammability rating in accordance with UL 94	V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Differential voltage terminal block, for self-soldering a resistor		gray	**UDK 4-DUR**		2775207	50
with built-in resistor 249 / ± 1%/ 1 W		gray	**UDK 4-DUR 249**		2775249	50

Accessories

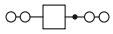
Cover, width: 1.5 mm		gray	**D-UDK 4**		2775113	50
Fixed bridge, isolated	10	silver	**FBI 10- 6**	32 A	0203250	10
Insertion bridge, insulated	2	gray	**EB 2- 6**	26 A	0201155	100
	3	gray	**EB 3- 6**	26 A	0201142	100
	10	gray	**EB 10- 6**	26 A	0201139	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	32 A	0301505	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		1302338	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		2770215	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**ZB 6 (see Catalog 3)**			

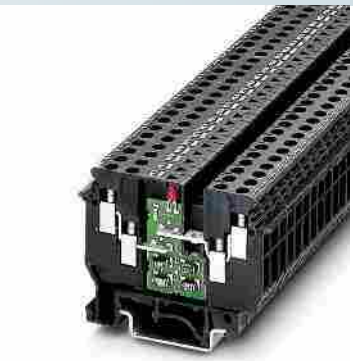
UDK ... LED terminal blocks for current

UDK 4-ILA ...

– For the 4 to 500 mA current range
– If a load current flows through the load, this is indicated by the LED

Notes:
1) Note load current diagram, see phoenixcontact.net/products
2) To neighboring terminal blocks





4 (6) mm², 0.5 A, feed-through terminal block, 4 connections, with current indicator up to 1000 mA

EAC

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**63.5**	**47**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**63.5**	**52**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		0.5[1])	**500[2])**	**0.2 - 6**	**30-10**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500[2])	600	600	-
Nominal current / cross section	[A] / [mm²]	0.5 / 4	0.5 / -	0.5 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 10	30-10	22-10	-
Connection capacity		Rigid	Flexible	Ferrule	without/with plastic sleeve
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 1.5
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
Max. cross section with insertion bridge	[mm²]	2.5	2.5	-	-
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.5 - 0.6			
Insulating material		PA			
Flammability rating in accordance with UL 94		V2			

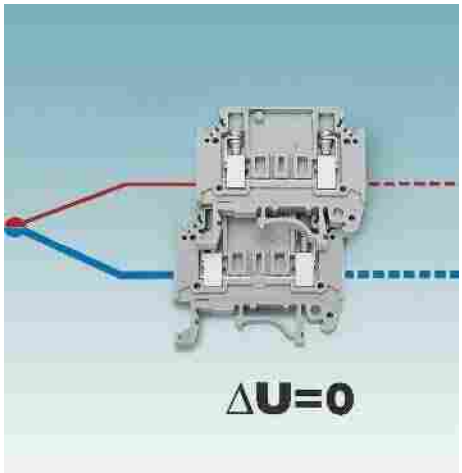
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Current indicator terminal block, for mounting on NS 32... or NS 35..., displays the current flow of an auxiliary current circuit using the LED		black	**UDK 4-ILA 500**		2775061	50

Accessories

Cover, width: 1.5 mm		gray	**D-UDK 4**		2775113	50
Fixed bridge, isolated						
	10	silver	**FBI 10- 6**	32 A	0203250	10
Insertion bridge, insulated						
	2	gray	**EB 2- 6**	26 A	0201155	100
	3	gray	**EB 3- 6**	26 A	0201142	100
	10	gray	**EB 10- 6**	26 A	0201139	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		2770215	50
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**ZB 6 (see Catalog 3)**			

Thermoelectric voltage terminal block pairs, MTKD-...

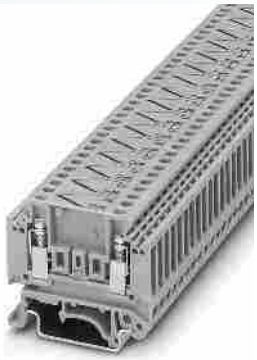


– These special terminal blocks are used to extend thermocouple equalizing conductors in corresponding measuring circuits
– The equalizing conductors are made of materials which, up to temperatures of 200°C, have the same thermal characteristics as the corresponding thermocouples
– This ensures that no false thermoelectric voltages result at the junctions of the thermocouple/terminal block/equalizing conductor and that the basic values in accordance with EN 60584/ DIN EN 60584 are adhered to

Notes:

[1]) Voltage to the neighboring feed-through terminal MTK.

For table for selecting thermoelectric voltage terminal blocks, visit phoenixcontact.net/products



2.5 (4) mm², feed-through terminal block pair

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**10.4**	**46.2**	**39.9**	
Dimensions	Width	Length	Height NS 32	
[mm]	**10.4**	**46.2**	**44.9**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	1	**400[1])**	**0.2 - 4**	**28-12**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400[1])	300	-	-
Nominal current / cross section [A] / [mm²]	1 / -	10 / -	-	-
Rated cross section [mm²]	2.5	-	-	-
Cross section range AWG	24 - 12	28-12	-	-
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 4	0.2 - 2.5	0.2 - 1.5	0.2 - 1.5
General data				
Stripping length [mm]	7			
Screw thread	M3			
Tightening torque [Nm]	0.6 - 0.8			
Insulating material	PA			
Flammability rating in accordance with UL 94	V0			

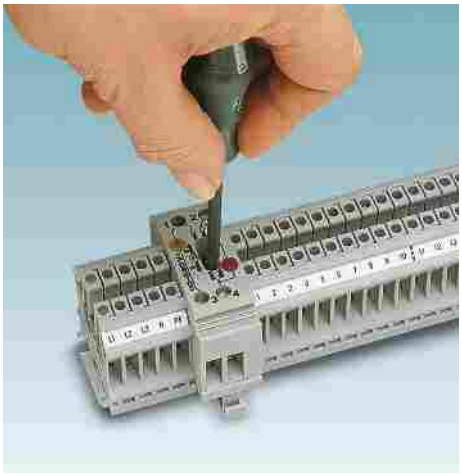
Ordering data

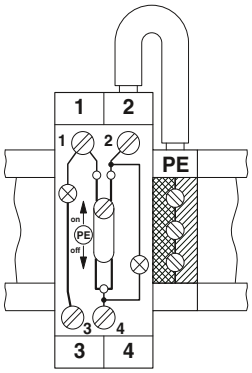
Description	Color	Type	Order No.	Pcs./Pkt.
Thermocouple terminal block pair for CU/CUNI44, Copper/constantan, USA type **T**	gray	**MTKD-CU/CUNI**	3100059	50
Thermocouple terminal block pair for FE/CUNI44, Iron/constantan, USA type **J**	gray	**MTKD-FE/CUNI**	3100046	50
Thermocouple terminal pair for NICR/CUNI44, Nickel-chrome/constantan, USA type **E**	gray	**MTKD-NICR/CUNI**	3100075	50
Thermocouple terminal block pair for NICRSI/NISI Nickel-chrome silicon/nickel silicon, USA type **N**	gray	**MTKD-NICRSI/NISI**	5043321	50
Thermocouple terminal pair for NICR/NI, Nickel-chrome/Nickel, USA type **K**	gray	**MTKD-NICR/NI**	3100062	50
Thermocouple terminal block pair for E-CU/A-CU, Copper/Copper nickel, USA type **R**	gray	**MTKD-E-CU/A-CU**	3100091	50
Thermocouple terminal block pair for S-CU/E-CU, S-copper/copper, USA type **B**	gray	**MTKD-S-CU/E-CU**	3100101	50

Accessories

Cover, width: 1 mm	gray	**D-MTK**	3101029	50
Partition plate, for visual and electrical separation of terminal groups, 1.0 mm thick	gray	**ATS-MTK**	3101223	50
Screwdriver		**SZS 1,0X4,0 VDE**	1205066	10
Lateral groove labeling		**ZB 10 (see Catalog 3)**		

GTF 76 ground disconnect terminal block





6 (10) mm², 57 A, ground disconnect terminal block

EN 60204-1/VDE 0113-1 "Electrical Equipment of Industrial Machines", Section 9.4.3.1 states:

"Ground faults in a control circuit may not lead to an unintentional start-up, to potentially dangerous movements or prevent the stopping of a machine."

– The ground disconnect terminal block GTF 76 conveniently solves this problem
– When the disconnect slide is closed, switch position "on", the yellow light signals grounded normal operation
– Once the disconnect slide has been opened to the "off" position, the red light indicates whether there is a ground fault in the control circuit

Note:

– Asymmetries in the cable isolation mean that the red display may easily light up even when there is no ground fault if the disconnect slide is open. This has no impact on functionality and does not affect the protective measure demanded in the VDE requirements

Attention!

– During isolation testing in accordance with EN 60204-1/VDE 0113-1, the GTF 76 should be disconnected or bridged as otherwise the LED display will be destroyed or a short circuit will occur

Notes:

[1]) 250 V for GTF 76/230

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		22.5	**64.5**	**54**
Dimensions		Width	Length	Height NS 32
	[mm]	**22.5**	**64.5**	**59**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		57	**110[1])**	**0.5 - 10 / 26-8**

Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	110[1])	250	-	-
Nominal current / cross section	[A] / [mm²]	41 / 6	50 / -	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	20 - 8	26-8	-	-

Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 4
2 conductors (of the same type)	[mm²]	0.5 - 6	0.5 - 6	0.5 - 4	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 4

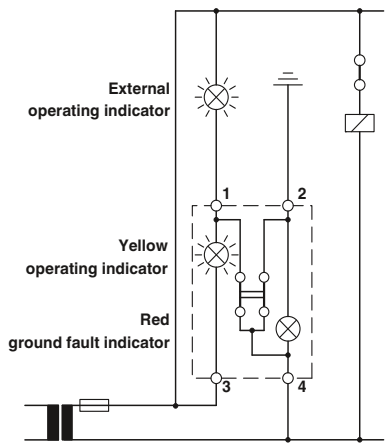
General data		
Stripping length	[mm]	12
Screw thread		M4
Tightening torque	[Nm]	1.2 - 1.5
Insulating material		PA
Flammability rating in accordance with UL 94		V0

Ordering data

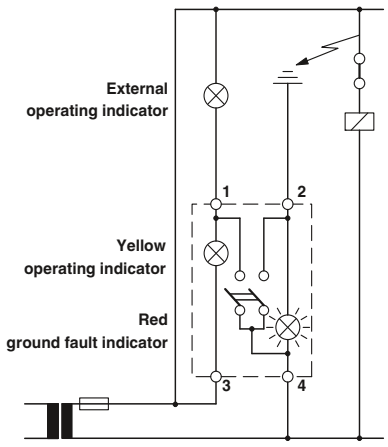
Description	Color	Type	Order No.	Pcs./Pkt.
Basic disconnect terminal block, for mounting on NS 32..., NS 35... or NS 35/15-2,3 for 110 - 250 V AC/DC, current: 0.5 - 1 mA	gray	**GTF 76/230**	**3121012**	10
Basic disconnect terminal block, for mounting on NS 32..., NS 35... or NS 35/15-2,3 for 24 - 48 V AC/DC, current: 3.5 - 8 mA	gray	**GTF 76/ 48**	**3121025**	10

Accessories

Screwdriver	**SZS 1,0X4,0 VDE**	**1205066**	10
Lateral groove labeling	**ZB 10 (see Catalog 3)**		



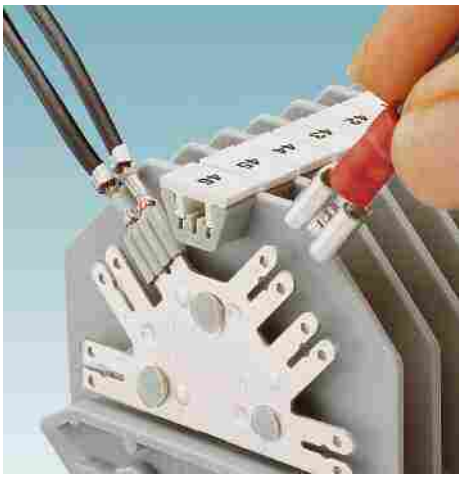
Grounded operating mode



Ground fault

UK universal terminal blocks with special connection

Feed-through terminal blocks with flat plug connection UVKB ... and UHK ...



UVKB terminal blocks

– The front flat plug connection is the optimum wiring design for tight spaces and if cable ducts need moving close to the terminal strip
– The housing walls only protrude slightly beyond the metal parts because it is assumed that fully-isolated plug-in sleeves are connected
– The slotted plugs allow a fully isolated or two bare 2.8 mm plug-in sleeves to be slid on in place of one 6.3 mm flat plug-in sleeve

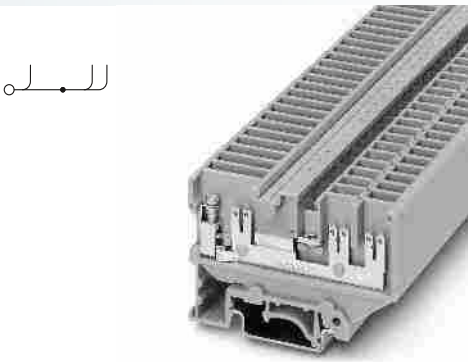
UHK terminal blocks

Owing to the characteristic arrangement of three flat connectors on each terminal block side, UHK... terminal blocks prove to be advantageous in technical applications:
– Economical use of terminal blocks and bridge connections
– Comfortable operation, i. e., free view of the connectors, good connector accessibility and quick connection check
– The marking is easily visible due to the smart wire guiding in the lateral cable ducts
– Reading the marking from the front

Notes:

For corresponding slip-on sleeves, see catalog 3.

[1]) Current and voltage data for slip-on connections in acc. with EN 61210 are also dependent on nominal size, material, insulation of the receptacle and conductor cross section.



4 (4) mm², 29 A, feed-through terminal block, with screw and slip-on connection

Technical data

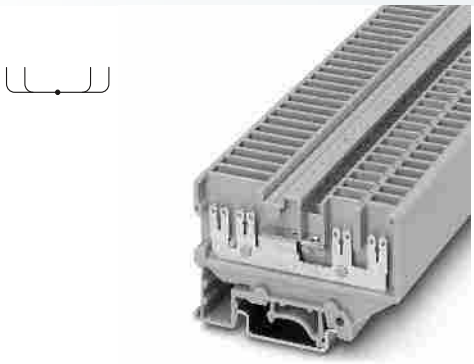
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**6.2**	**68**	**44**
Dimensions		Width	Length	Height NS 32
	[mm]	**6.2**	**68**	**49**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		29[1])	**500[1])**	**0.2 - 4 / 28-12**
Rated data		IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	500[1])	300	- / -
Nominal current / cross section	[A] / [mm²]	29 / 4	25 / -	- / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 12	28-12	- / -
Connection capacity screw connection		Rigid	Flexible	Ferrule / without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4 / 0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 2.5
Max. cross section with insertion bridge	[mm²]	4	4	- / -
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Flammability rating in accordance with UL 94		V2		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 32... or NS 35..., with slotted 6.3/2.8 mm flat connectors[1])		gray	**UVKB 4-FS(6-2,8-0,8)**		1954016	50

Accessories

Cover, width: 2.2 mm		gray	**D-UVKB 4**		1920024	50
Cover, width: 2.3 mm		gray				
Fixed bridge, isolated	10	silver	**FBI 10- 6**	24 A	0203250	10
Insertion bridge, insulated	2	gray	**EB 2- 6**	24 A	0201155	100
	3	gray	**EB 3- 6**	24 A	0201142	100
	10	gray	**EB 10- 6**	24 A	0201139	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	24 A	0301505	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		1302338	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-K**		1302215	50
Partition plate, for visual and electrical separation of terminal groups, 2.3 mm thick		gray				
Test socket		silver	**PSB 3/10/4**		0601292	10
Test socket, insulated, can be used only with FBI and ISSBI		silver	**PSBJ 3/13/4**		0201304	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Center groove labeling			**ZB 6 (see Catalog 3)**			



6 (6) mm², 32 A, feed-through terminal block, with spade connection

Technical data			
Width	Length	Height NS 35/7,5	
6.2	**68**	**44**	
Width	Length	Height NS 32	
6.2	**68**	**49**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
32[1])	**800[1])**	**0.5 - 6**	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800[1])	300	-	-
32[1]) / 4	25 / -	-	-
4	-	-	-
20 - 10	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 6	0.5 - 6	-	0.5 - 6
-	-	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
PA			
V2			

Ordering data			
Type	I_{max}	**Order No.**	Pcs./Pkt.
UVKB 4-FS/FS(8-2,8-0,8)		1953017	50

Accessories			
D-UVKB 4		1920024	50
FBI 10- 6	24 A	0203250	10
ISSBI 10- 6	24 A	0301505	10
IS-K 4		1302338	100
TS-K		1302215	50
PSB 3/10/4		0601292	10
PSBJ 3/13/4		0201304	10

ZB 6 (see Catalog 3)

4 (4) mm², 40 A, feed-through terminal block, with screw and slip-on connection

Technical data			
Width	Length	Height NS 35/7,5	
6.2	**54**	**51.5**	
Width	Length	Height NS 32	
6.2	**54**	**56.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
40[1])	**800[1])**	**0.2 - 4**	**28-12**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800[1])	250	600	-
32[1]) / 4	25 / -	20 / -	-
4	-	-	-
24 - 12	28-12	28-14	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
4	4	-	-
9			
M3			
0.6 - 0.8			
PA			
V2			

Ordering data			
Type	I_{max}	**Order No.**	Pcs./Pkt.
UHK 4-FS(8-2,8-0,8)		2017237	50

Accessories			
D-HK 4		2002022	50
EB 2- 6	30 A	0201155	100
EB 3- 6	30 A	0201142	100
EB 10- 6	30 A	0201139	10
D-UVK 4		1922022	50
SF-SL 0,6X3,5-100 S-VDE		1212587	10

ZB 6 (see Catalog 3)

6 (6) mm², 40 A, feed-through terminal block, with spade connection

Technical data			
Width	Length	Height NS 35/7,5	
6.2	**54**	**51.5**	
Width	Length	Height NS 32	
6.2	**54**	**56.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
40[1])	**800[1])**	**0.5 - 6**	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800[1])	250	600	-
40[1]) / -	25 / -	20 / -	-
-	-	-	-
20 - 10	-	22-14	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 6	0.5 - 6	-	0.5 - 6
-	-	-	-
-	-	-	-
-	-	-	-
-			
-			
-			
PA			
V2			

Ordering data		
Type	**Order No.**	Pcs./Pkt.
UHK 4-FS/FS(12-2,8-0,8)	2017224	50

Accessories		
D-HK 4	2002022	50
D-UVK 4	1922022	50

ZB 6 (see Catalog 3)

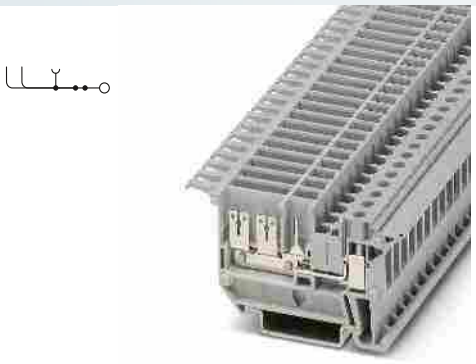
UK universal terminal blocks with special connection

Feed-through terminal blocks with flat plug connection VBST ... and PVB ...

Notes:

[1]) Current and voltage data for slip-on connections in acc. with EN 61210 are also dependent on nominal size, material, insulation of the receptacle and conductor cross section.

[2]) Nominal current of the module connector per position: 13 A



2.5 (4) mm², 32 A, feed-through terminal block, with screw and slip-on connection

6 (6) mm², 30 A, equipotential bonder terminal block with spade connection

EAC

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**72**	**39.5**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32[2])	**800[1])**	**0.2 - 4**	**30-10**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800[1])	300	600	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	30-10	30-10	-
Connection capacity screw connection		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	2.5	2.5	-	-
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Technical data

Width	Length	Height NS 35/7,5		
23.2	**80**	**43.5**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
30	**800[1])**	**0.5 - 6**	**-**	
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
800[1])	-	-	-	
30 / -	-	-	-	
-	-	-	-	
20 - 10	-	-	-	
Rigid	Flexible	Ferrule without/with plastic sleeve		
0.5 - 6	0.5 - 6	-	0.5 - 6	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-				
-				
-				
PA				
V2				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 35..., with two slotted 6.3/2.8 mm flat plugs and double function shaft for FBS ...6 plug-in bridges		gray	**VBSTB 4-FS (6-2,8-0,8)**		3070435	50
Terminal block, for mounting on NS 35..., with three slotted 6.3/2.8 mm flat connectors		gray	**VBST 4-FS(6-2,8-0,8)**		0852012	50
Equipotential bonder, for mounting on NS 35..., with slotted 6.3/2.8 mm flat connectors, 12 slots, terminal width: 23.2 mm		gray				

Ordering data

Type	Order No.	Pcs./Pkt.
PVB 3	0870036	10

Accessories

Cover and **partition plate,** width: 2.2 mm		gray	**D-TP-VBS**		0851026	50
Insertion bridge, insulated						
	2	gray	**EB 2- 6**	24 A	0201155	100
	3	gray	**EB 3- 6**	24 A	0201142	100
	10	gray	**EB 10- 6**	24 A	0201139	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Center groove labeling			**ZB 6 (see Catalog 3)**			

Accessories

ZB 6 (see Catalog 3)		

Feed-through terminal blocks with flat plug connection USK ...

Notes:

[1]) Current and voltage data for slip-on connections in acc. with EN 61210 are also dependent on nominal size, material, insulation of the receptacle and conductor cross section.

For corresponding slip-on sleeves, see catalog 3.

4 (4) mm², 32 A, feed-through terminal block, with screw and slip-on connection

6 (6) mm², 32 A, feed-through terminal block, with spade connection

Technical data

Dimensions	Width	Length	Height NS 35/7,5		
[mm]	**6.2**	**42.5**	**45.5**		
Dimensions	Width	Length	Height NS 32		
[mm]	**6.2**	**42.5**	**50.5**		
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
	32[1])	**800[1])**	**0.2 - 4**	**28-12**	
Rated data	IEC	UL / CUL	CSA	IEC/ EN 60079-7	
Rated voltage [V]	800[1])	600	600	-	
Nominal current / cross section [A] / [mm²]	32[1]) / 4	20 / -	20 / -	-	
Rated cross section [mm²]	4	-	-	-	
Cross section range AWG	24 - 12	28-12	28-12	-	
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve		
1 conductor [mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5	
2 conductors (of the same type) [mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-	
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 2.5	
Max. cross section with insertion bridge [mm²]	2.5	2.5	-	-	
General data					
Stripping length [mm]	9				
Screw thread	M3				
Tightening torque [Nm]	0.6 - 0.8				
Insulating material	PA				
Flammability rating in accordance with UL 94	V2				

Technical data

Width	Length	Height NS 35/7,5		
6.2	**42.5**	**45.5**		
Width	Length	Height NS 32		
6.2	**42.5**	**50.5**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
32[1])	**800[1])**	**0.5 - 6**	**-**	
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
800[1])	600	600	-	
32[1]) / 4	20 / -	20 / -	-	
4	-	-	-	
20 - 10	-	-	-	
Rigid	Flexible	Ferrule without/with plastic sleeve		
0.5 - 6	0.5 - 6	-	0.5 - 6	
-	-	-	-	
-	-	-	-	
-	-	-	-	
-				
M3				
-				
PA				
V2				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**USK 4-FSR(4-2,8-0,8)**		0270018	50
Terminal block, for mounting on NS 32... or NS 35..., with slotted 6.3/2.8 mm flat connectors		gray				

Ordering data

Type	Order No.	Pcs./Pkt.
USK 4-FS/FS(8-2,8-0,8)	0271017	50

Accessories

Cover, width: 1.3 mm		gray	**D-USK 4/10**	0260028	50
Insertion bridge, insulated					
	2	gray	**EB 2- 6** 24 A	0201155	100
	3	gray	**EB 3- 6** 24 A	0201142	100
	10	gray	**EB 10- 6** 24 A	0201139	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**	1212587	10
Center groove labeling			**ZB 6 (see Catalog 3)**		

Accessories

D-USK 4/10	0260028	50
ZB 6 (see Catalog 3)		

Double-level terminal blocks with screw/flat plug connection UKK ...

4 (4) mm², 20 A, double-level terminal block with screw and slip-on connection

Notes:

Important note:
The notched partition plate must be removed to bridge the terminal blocks.

For corresponding slip-on sleeves, see catalog 3.

1) Current and voltage data for slip-on connections in acc. with EN 61210 are also dependent on nominal size, material, insulation of the receptacle and conductor cross section.

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**6.2**	**72**	**59**
Dimensions		Width	Length	Height NS 32
	[mm]	**6.2**	**72**	**64**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		20[1])	**400[1])**	**0.2 - 4** / **30-10**
Rated data		IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400[1])	300	- / -
Nominal current / cross section	[A] / [mm²]	20[1]) / 4	20 / -	- / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 12	30-10	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4 / 0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1.5
Max. cross section with insertion bridge	[mm²]	4	2.5	- / -
General data				
Stripping length	[mm]	8		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Flammability rating in accordance with UL 94		V2		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Double-level terminal block, with disconnect knife, for mounting on NS 32... or NS 35..., with screw connection and slotted 6.3/2.8 mm flat connectors		gray	**UKK 4-FS**		2770561	50
Double-level terminal block, with disconnect knife, for mounting on NS 32... or NS 35..., with slotted 6.3/2.8 mm flat connectors on both sides		gray				

Accessories

Cover, width: 1.5 mm		gray	**D-UKK 4**		2770558	50
Fixed bridge, isolated	10	silver	**FBI 10- 6**	20 A	0203250	10
Insertion bridge, insulated	2	gray	**EB 2- 6**	20 A	0201155	100
	3	gray	**EB 3- 6**	20 A	0201142	100
	10	gray	**EB 10- 6**	20 A	0201139	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	20 A	0301505	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		1302338	100
Test socket		silver	**PSB 3/10/4**		0601292	10
Test socket, insulated, can be used only with FBI and ISSBI		silver	**PSBJ 3/13/4**		0201304	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**ZB 6 (see Catalog 3)**			

6 (6) mm², 20 A, double-level terminal block with spade connection

EAC

Technical data

Width	Length	Height NS 35/7,5	
6.2	**72**	**59**	
Width	Length	Height NS 32	
6.2	**72**	**64**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20[1])	**400[1])**	**0.5 - 6**	**-**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
400[1])	300	-	-
20[1]) / 4	20 / -	-	-
4	-	-	-
20 - 10	-	-	-

Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 6	0.5 - 6	-	0.5 - 6
-	-	-	-
-	-	-	-
-	-	-	-

-
-
-
PA
V0

Ordering data

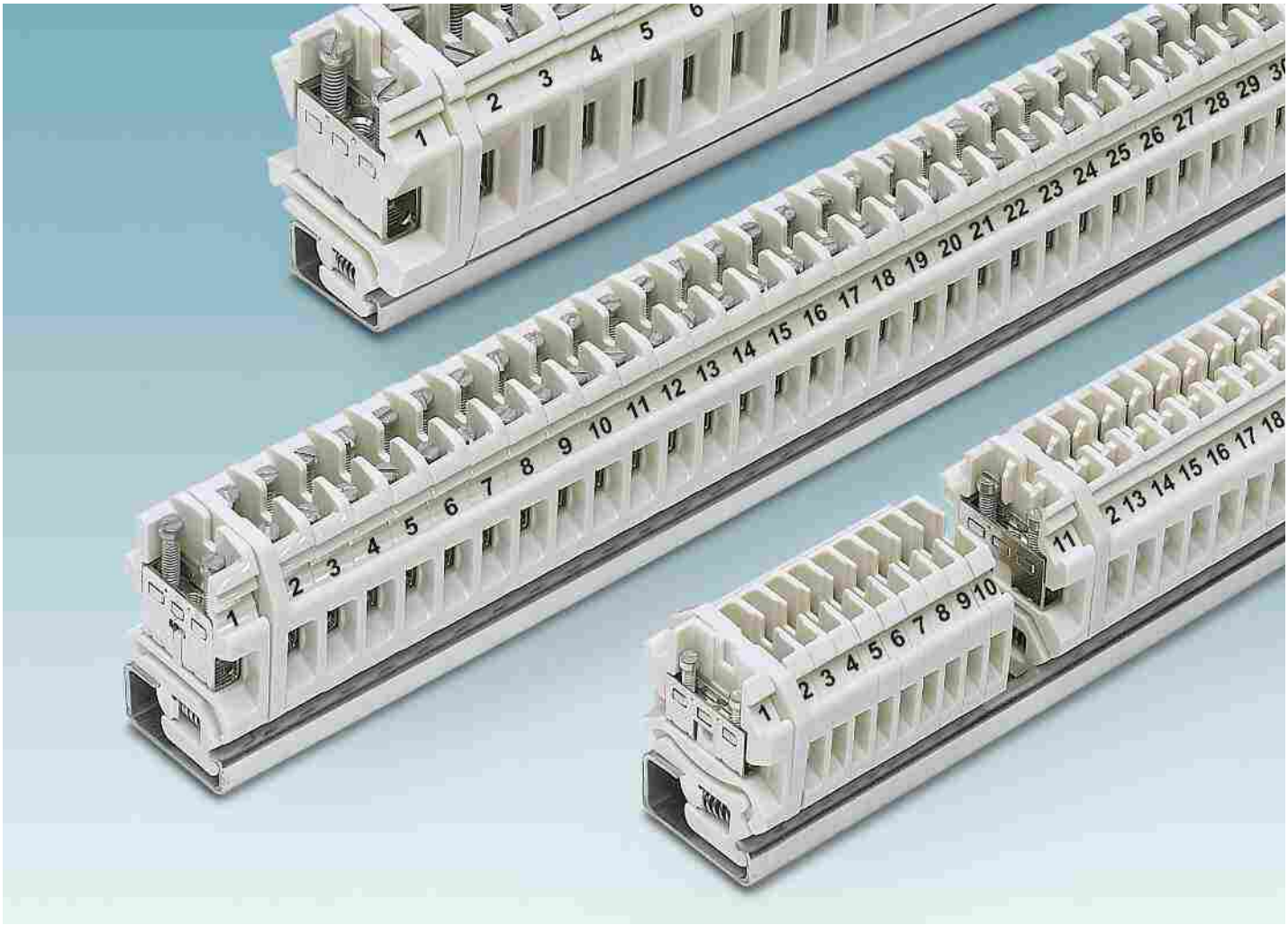
Type	I_{max}	Order No.	Pcs./Pkt.
UKK 4-FS/FS		**2771133**	50

Accessories

D-UKK 4		**2770558**	50
FBI 10- 6	20 A	**0203250**	10
ISSBI 10- 6	20 A	**0301505**	10
IS-K 4		**1302338**	100
PSB 3/10/4		**0601292**	10
PSBJ 3/13/4		**0201304**	10

ZB 6 (see Catalog 3)

Ceramic terminal blocks SSK



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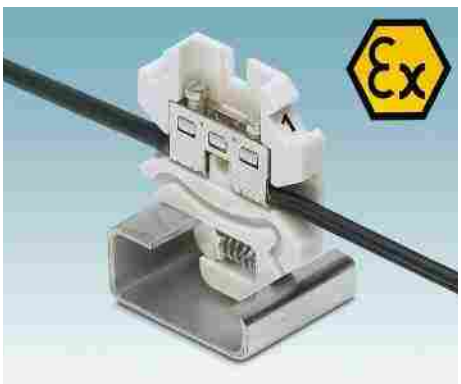
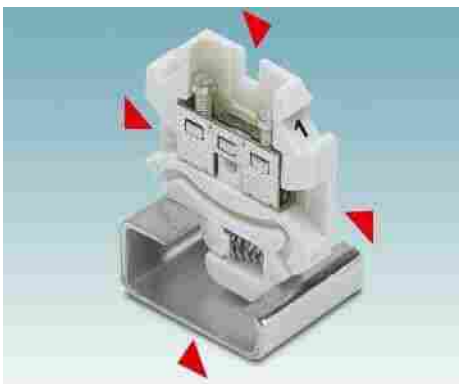


Safe in all applications

The SSK modular terminal blocks with ceramic isolation approved as standard for areas at risk of explosion are recommended for use anywhere with tough operating conditions, especially in terms of temperature and chemical aggressiveness.

For high-temperature applications

One of the key features of the ceramic terminal blocks is that they can be used continuously at high temperatures of up to 220°C. They are recommended for sites with high thermal requirements and extreme changes in temperature.



Compact design

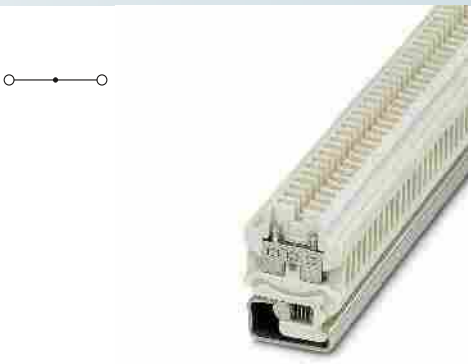
Given the space-saving design, SSK ceramic terminal blocks are ideally suited to control systems in tight spaces.

Ceramic feed-through terminal blocks SSK ...

- Compact design
- Mounting on G DIN rail NS 32
- Secure snapping into place using snap lock in terminal block foot
- Simple potential distribution, thanks to chain bridging

Notes:

[1]) For information on installation and using accessories for Ex applications, see page 678.



4 (4) mm², 32 A, feed-through terminal block

EAC

Ex: EAC Ex
KIWA 17ATEX0022 U / IECEx KIWA17.0009U

Technical data

Dimensions		Width	Length	Height NS 32
	[mm]	**6.2**	**38**	**48**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		32	**690**	**0.2 - 4** / **-**
Rated data		IEC 60947-7-1 / IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	690	-	600 / 440
Nominal current / cross section	[A] / [mm²]	24 / 2.5	-	20 / - / 28 / 4
Rated cross section	[mm²]	2.5	-	- / 0.2-4
Cross section range	AWG	24 - 12	-	22-12 / 24 - 12
Connection capacity screw connection		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 2.5 / 0.25 - 1.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 1.5
General data				
Stripping length	[mm]	9		
Screw thread		M3		
Tightening torque	[Nm]	0.5 - 0.6		
Material		Ceramics		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 32...		ivory	**SSK 0525 KER-EX**		0501059	50

Accessories[1])

Cover, 4 mm width		white	**D-SSK 0525 KER**		0201061	50
Chain bridge, with screw	1	silver	**KB- 6**	34 A	0201472	100
End clamp, for DIN rail NS 32		silver	**E/1**		1201044	100
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**ZB 6 (see Catalog 3)**			

Ceramic feed-through terminal blocks SSK ...

– Compact design
– Mounting on G DIN rail NS 32
– Secure snapping into place using snap lock in terminal block foot
– Simple potential distribution, thanks to chain bridging

Notes:

[1]) For information on installation and using accessories for Ex applications, see page 678.

6 (10) mm², 57 A, feed-through terminal block

EAC

Ex: EAC Ex
KIWA 17ATEX0022 U / IECEx KIWA17.0009U

Technical data

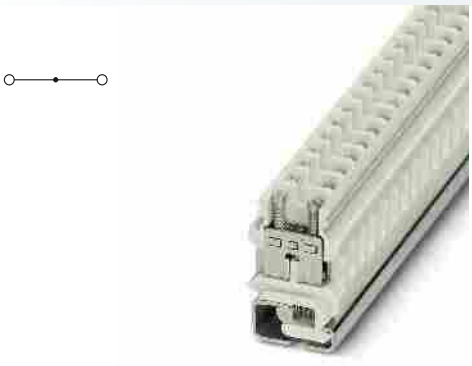
Dimensions				
	[mm]	Width	Length	Height NS 32
		8.4	**38**	**51**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		57	**800**	**0.5 - 10** / **-**
Rated data		IEC 60947-7-1		
		IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	800	-	600 / 440
Nominal current / cross section	[A] / [mm²]	41 / 6	-	55 / - / 36.5 / 6
Rated cross section	[mm²]	6	-	- / 0.5-6
Cross section range	AWG	20 - 8	-	26-8 / 20 - 8
Connection capacity screw connection		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6 / 0.5 - 4
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 2.5
General data				
Stripping length	[mm]	10		
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.8		
Material		Ceramics		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 32...		ivory	**SSK 110 KER-EX**		0502058	50

Accessories[1])

Cover, 4 mm width		white	**D-SSK 110 KER**		0202060	50
Chain bridge, with screw	1	silver	**KB- 8**	43 A	0202206	100
End clamp, for DIN rail NS 32		silver	**E/1**		1201044	100
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**ZB 8 (see Catalog 3)**			



10 (16) mm², 76 A, feed-through terminal block

Ex: EAC Ex
KIWA 17ATEX0022 U / IECEx KIWA17.0009U

Technical data

Width	Length	Height NS 32	
10.4	**38**	**55**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
76	**630**	**0.5 - 16**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
630	-	600	440
57 / 10	-	80 / -	55 / 10
10	-	-	0.5-10
20 - 6	-	24-6	20 - 6
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6
0.5 - 4	0.5 - 4	0.5 - 4	-
-	-	-	0.5 - 6
11			
M4			
1.5 - 1.8			
Ceramics			

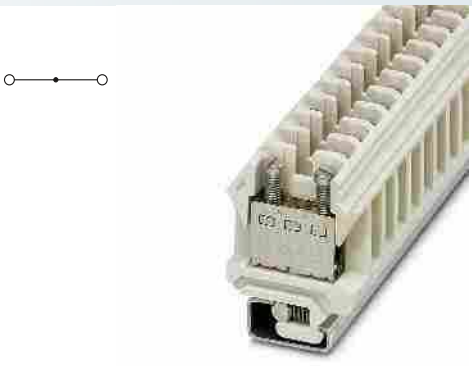
Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
SSK 116 KER-EX		0503057	50

Accessories[1])

D-SSK 116 KER		0203069	50
KB- 10	57 A	0203205	100
E/1		1201044	100
SZS 1,0X4,0 VDE		1205066	10

ZB 10 (see Catalog 3)



25 (35) mm², 125 A, feed-through terminal block

EAC

Ex: EAC Ex
KIWA 17ATEX0022 U / IECEx KIWA17.0009U

Technical data

Width	Length	Height NS 32	
15.3	**53**	**67**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
125	**800**	**1 - 35**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	-	600	550
101 / 35	-	140 / -	101 / 25
35	-	-	1-25
18 - 2	-	14-2	18 - 2
Rigid	Flexible	Ferrule without/with plastic sleeve	
1 - 35	1 - 25	0.75 - 25	0.75 - 16
0.75 - 10	0.75 - 10	0.75 - 10	-
-	-	-	0.75 - 10
16			
M6			
3.2 - 3.7			
Ceramics			

Ordering data

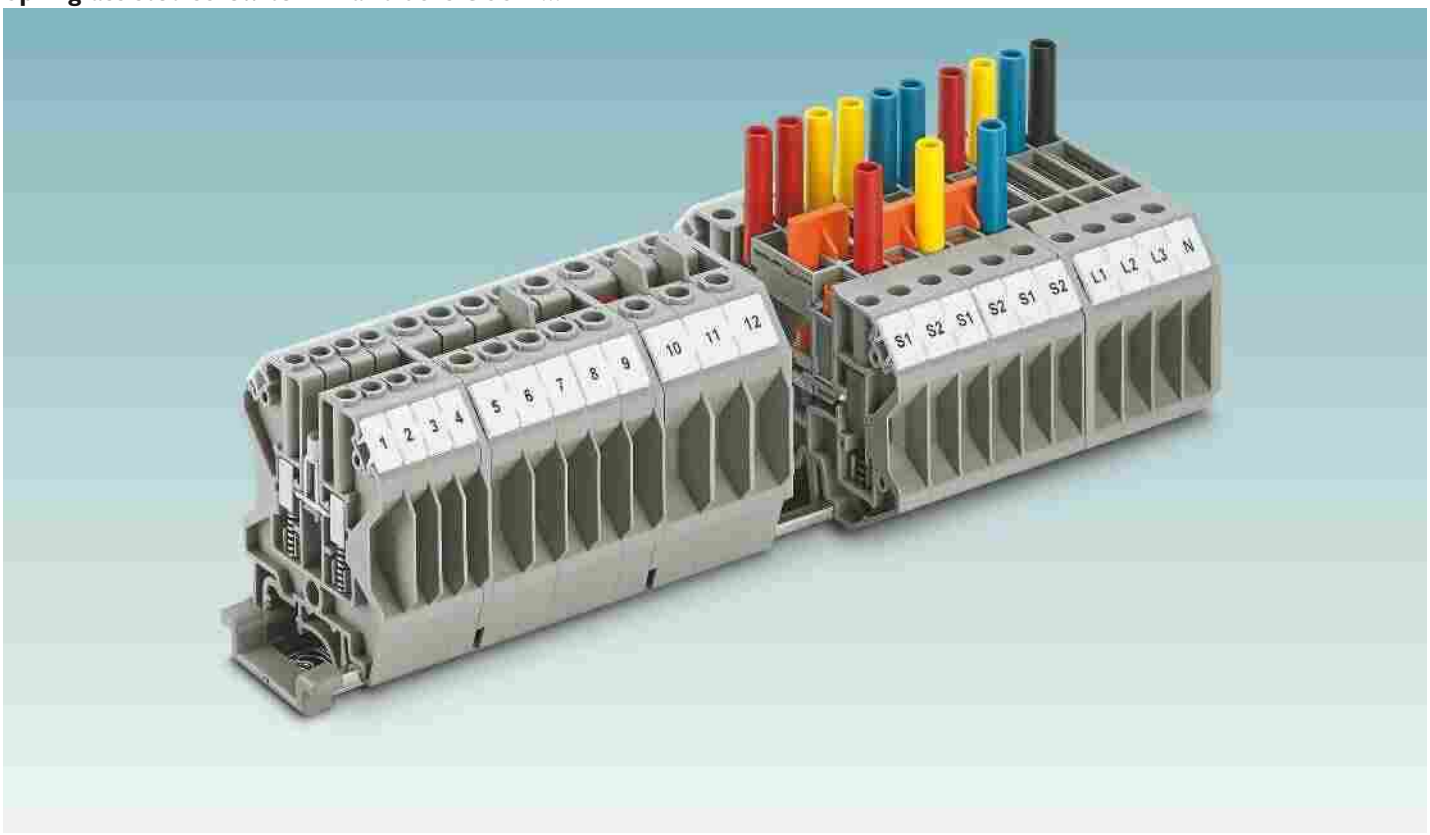
Type	I_{max}	Order No.	Pcs./Pkt.
SSK 135 KER-EX		0505055	10

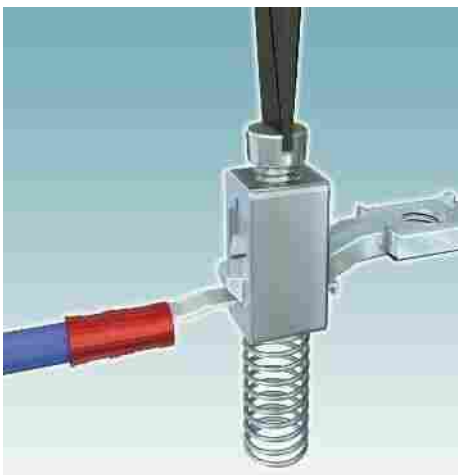
Accessories[1])

D-SSK 135 KER		0205067	50
KBI- 15	108 A	0205203	10
E/1		1201044	100
SZS 1,0X4,0 VDE		1205066	10

ZB 15 (see Catalog 3)

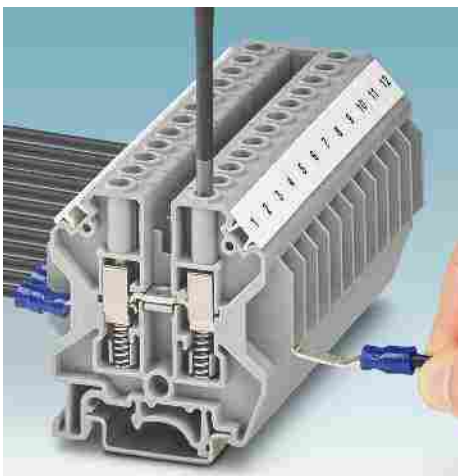
Spring-assisted screw terminal blocks USST ...





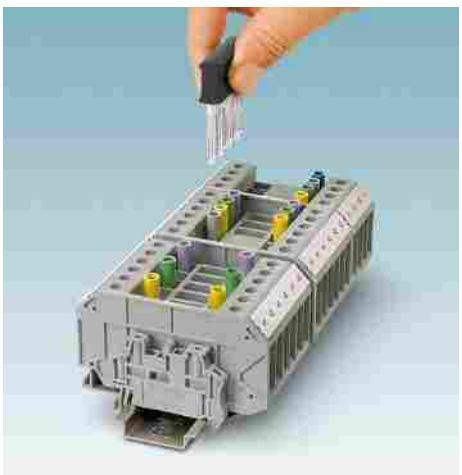
Spring-assisted screw connection

The opened terminal block body is pressed down to make contact with the conductor. Tightening the terminal screw produces the perfect electric connection.



Hooked cable lug

This cable lug is shaped like a hook, allowing it to lock in the spring in the terminal block body for a secure connection.



Test accessories

The familiar test, switching, and bridging accessories from Phoenix Contact are used in the USST modular terminal blocks.

Spring-assisted feed-through terminal blocks USST 4

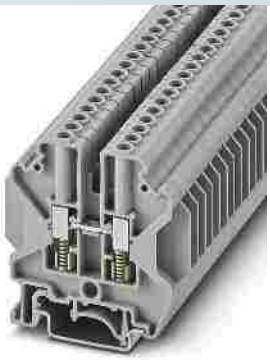
- The modular terminal blocks USST ... were developed especially for use in the energy supply sector
- When combined with hook-type cable lugs, the spring-assisted screw terminal blocks optimally meet the technical requirements of ENATS 50-18
- Universal foot for mounting on NS 32 and or NS 35 DIN rails
- The bridge bar isolator switching bridges ISSBI ... enable switchable cross connections with IS-K .... The screw functions as a current-carrying switching element
- Large-surface marking options of every terminal point

Space-saving conductor connection

The flat-ribbon cable lugs with C-BCI ... SO hooks enable vertical crimping (see figure below), which means that conductors in the nominal cross-section can be wired without loss of pitch in a way that saves space. Further information about flat-ribbon cable lugs with hooks can be found at phoenixcontact.net/products.

Notes:

Corresponding flat-ribbon cable lugs with C-BCI ... hooks can be found in Catalog 3 or at phoenixcontact.net/products



4 (6) mm², 41 A, feed-through terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**6.2**	**59.6**	**51**
Dimensions		Width	Length	Height NS 32
	[mm]	**6.2**	**59.6**	**56**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		41	**1000**	**0.2 - 6** / **24-10**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	1000	600	600 / -
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / - / -
Rated cross section	[mm²]	4	-	- / -
Cross section range	AWG	24 - 10	24-10	24-10 / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4 / 0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 2.5
General data				
Stripping length	[mm]	10		
Screw thread		M3		
Tightening torque	[Nm]	0.6 - 0.8		
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**USST 4**		3070338	50

Accessories

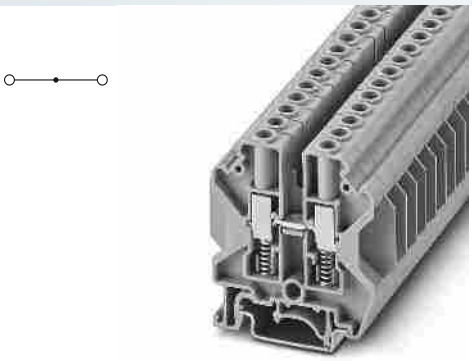
Cover, width: 2.2 mm		gray	**D-USST 4/10**		3070370	50
Partition plate, 2 mm wide		gray	**TPNS-UK**		0706647	50
Fixed bridge, isolated	10	silver	**FBI 10- 6**	38 A	0203250	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	30 A	0301505	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		1302338	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-USST 4/10**		3070383	50
Test socket		silver	**PSB 3/10/4**		0601292	10
Test socket, insulated, can be used only with FBI and ISSBI		silver	**PSBJ 3/13/4**		0201304	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 3)**			

Spring-assisted feed-through terminal blocks USST 6 and USST 10

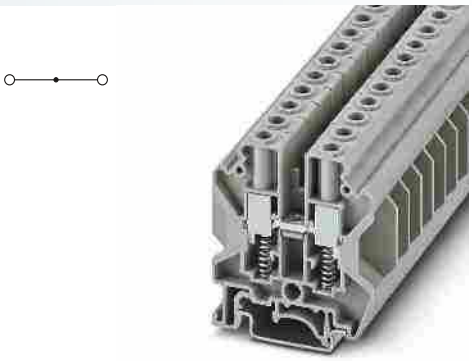
– Terminal blocks USST 4 to USST 10 are of the same shape

Notes:

For other test sockets, see page 587.



6 (10) mm², 57 A, feed-through terminal block



10 (16) mm², 76 A, feed-through terminal block

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**8.2**	**59.6**	**51**	
Dimensions	Width	Length	Height NS 32	
[mm]	**8.2**	**59.6**	**56**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	57	**1000**	**0.2 - 10**	**24-10**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	1000	600	600	-
Nominal current / cross section [A] / [mm²]	41 / 6	30 / -	30 / -	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	24 - 8	24-10	24-10	-
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
2 conductors (of the same type) [mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 4
General data				
Stripping length [mm]	12			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Insulating material	PA			
Flammability rating in accordance with UL 94	V0			

Technical data

Width	Length	Height NS 35/7,5		
10.2	**59.6**	**51**		
Width	Length	Height NS 32		
10.2	**59.6**	**56**		
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
76	**1000**	**0.5 - 16**	**20-6**	
IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	
1000	600	600	-	
57 / 10	65 / -	65 / -	-	
10	-	-	-	
20 - 6	20-6	20-6	-	
Rigid	Flexible	Ferrule without/with plastic sleeve		
0.5 - 16	0.5 - 10	0.5 - 10	0.5 - 6	
0.5 - 4	0.5 - 4	0.5 - 2.5	-	
-	-	-	0.5 - 6	
12				
M4				
1.5 - 1.8				
PA				
V0				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 32... or NS 35...		gray	**USST 6**		3070341	50

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
USST 10		3070354	50

Accessories

Cover, width: 2.2 mm		gray	**D-USST 4/10**		3070370	50
Partition plate, 2 mm wide		gray	**TPNS-UK**		0706647	50
Fixed bridge, isolated	10	silver	**FBI 10- 8**	52 A	0203263	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 8**	38 A	0301534	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 10**		1303337	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-USST 4/10**		3070383	50
Test socket, for test connection with test plug PS		silver	**PSB 4/7/6**		0303299	10
Test socket, insulated, for UK 6 N, UK 10 N and URTK/SP and USST 10 terminal blocks, M4 thread		transparent				
		blue				
		yellow				
		white				
		black				
		red				
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., $I_{max.}$ 20 A		black	**KSS 8**		0311540	10
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with 8.2 mm pitch 4-pos.		black	**KSS 4- 8**		0309549	10
Screwdriver			**SZS 1,0X4,0 VDE**		1205066	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)**			

Accessories

D-USST 4/10	3070370	50
TPNS-UK	0706647	50
FBI 10-10	0203276	10
ISSBI 10-10	0301521	10
IS-K 10	1303337	100
TS-USST 4/10	3070383	50
PSB 4/7/6	0303299	10
PSBJ 4/15/6 FARBLOS	0303419	10
PSBJ 4/15/6 BU	0303354	10
PSBJ 4/15/6 YE	0303367	10
PSBJ 4/15/6 WH	0303312	10
PSBJ 4/15/6 BK	0303406	10
PSBJ 4/15/6 RD	0303325	10
KSS 10	0310541	10
KSS 4-10	0308540	10
SZS 1,0X4,0 VDE	1205066	10
UC-TM 10, UCT-TM 10 or ZB 10 (see Catalog 3)		

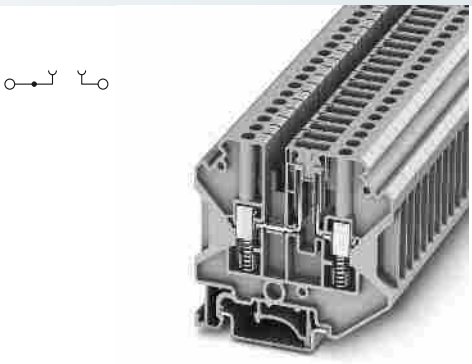
Spring-assisted disconnect and knife disconnect terminal blocks

– Standardized disconnect zone
– Various function plugs are available for use in the disconnect terminal blocks
– For corresponding function plugs, see page 415

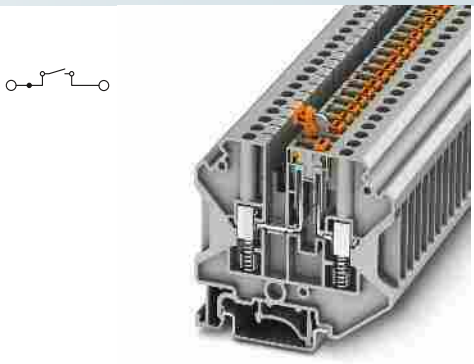
Notes:

[1]) $U_{max.}$ 300 V

Corresponding flat-ribbon cable lugs with C-BCI ... hooks can be found in Catalog 3 or at phoenixcontact.net/products



4 (6) mm², 20 A, disconnect terminal block, 2 connections



4 (6) mm², 20 A, knife disconnect terminal block, 2 connections

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**63.4**	**57.3**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**63.4**	**62.3**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**500**	**0.2 - 6**	**24-10**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	20 / 4	20	20 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 10	24-10	24-10	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
General data					
Stripping length	[mm]	10			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**6.2**	**63.4**	**57.3**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**6.2**	**63.4**	**62.3**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		20	**500**	**0.2 - 6**	**24-10**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	600	-
Nominal current / cross section	[A] / [mm²]	20 / 4	20	20 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 10	24-10	24-10	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 6	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
General data					
Stripping length	[mm]	10			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 35...		gray	**USST 4-TG**		3070301	50
With test socket screws[1])		gray	**USST 4-TG P/P**		3070303	50
Accessories						
Cover, width: 2.2 mm		gray	**D-USST 4-MT**		3070304	50
Partition plate, 2 mm wide		gray	**TPNS-UK**		0706647	50
Fixed bridge, isolated	10	silver	**FBI 10- 6**	38 A	0203250	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	30 A	0301505	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		1302338	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-USST 4/10**		3070383	50
Test socket		silver	**PSB 3/10/4**		0601292	10
Test socket, insulated, can be used only with FBI and ISSBI		silver	**PSBJ 3/13/4**		0201304	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Screwdriver, for disconnect slide and test socket			**SZG 0,6X3,5 VDE**		1205121	10
Lateral groove labeling			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 3)**			

Ordering data

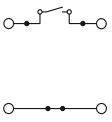
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 35...		gray	**USST 4-MT**		3070300	50
With test socket screws[1])		gray	**USST 4-MT P/P**		3070302	50
Accessories						
Cover, width: 2.2 mm		gray	**D-USST 4-MT**		3070304	50
Partition plate, 2 mm wide		gray	**TPNS-UK**		0706647	50
Fixed bridge, isolated	10	silver	**FBI 10- 6**	38 A	0203250	10
Isolator bridge bar, divisible, with 10 screws, for switchable branches with **IS-K...**	10	silver	**ISSBI 10- 6**	30 A	0301505	10
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 4**		1302338	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-USST 4/10**		3070383	50
Test socket		silver	**PSB 3/10/4**		0601292	10
Test socket, insulated, can be used only with FBI and ISSBI		silver	**PSBJ 3/13/4**		0201304	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Screwdriver, for disconnect slide and test socket			**SZG 0,6X3,5 VDE**		1205121	10
Lateral groove labeling			**UC-TM 6, UCT-TM 6 or ZB 6 (see Catalog 3)**			

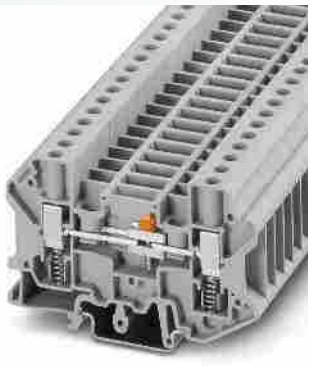
Spring-assisted test disconnect and feed-through terminal blocks

– The USST 6-T test disconnect terminal block has been developed specifically for use in current transformer secondary circuits
– Can be fitted on both sides with fixed bridges as well as test sockets with a 4 mm diameter
– Terminal block and accessories were designed to be touch-proof as per BGV A2

PROJECT complete planning enables the quick and convenient planning and configuration of error-free terminal strips.

Notes:
For more test sockets, visit phoenixcontact.net/products
For more short-circuit plugs, visit phoenixcontact.net/products





6 (10) mm², 57 A, test disconnect terminal block

Technical data

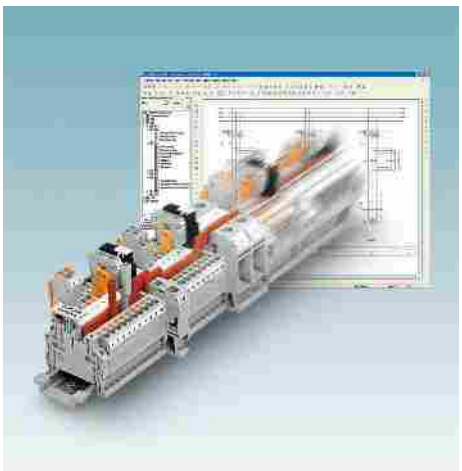
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**8.2**	**82**	**52**
Dimensions		Width	Length	Height NS 32
	[mm]	**8.2**	**82**	**57**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		57	**500**	**0.2 - 10** / **24-10**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	500	600	600 / -
Nominal current / cross section	[A] / [mm²]	41 / 6	30 / -	30 / - / -
Rated cross section	[mm²]	6	-	- / -
Cross section range	AWG	24 - 8	24-10	24-10 / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6 / 0.25 - 6
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.5 - 4
General data				
Stripping length	[mm]	12		
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.8		
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

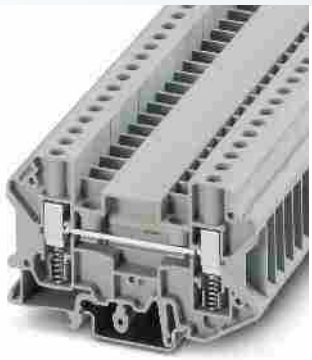
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Test disconnect terminal block, for mounting on NS 32... or NS 35...		gray	**USST 6-T**		3070312	50
Feed-through terminal block, for mounting on NS 32... or NS 35...		gray				

Accessories

Cover, width: 2.2 mm		gray	**D-USST 6-T**		3070367	50
Fixed bridge, isolated	10	silver	**FBRI 10-8 N**	45 A	2772080	10
Switching lock, excludes the possibility of an unintentional operation of the disconnect slide		white	**S-URTK/SP**		0311155	50
Test socket, insulated		transparent	**PSBJ-URTK 6 FARBLOS**		3026450	10
		blue	**PSBJ-URTK 6 BU**		3026434	10
		yellow	**PSBJ-URTK 6 YE**		3026405	10
		green	**PSBJ-URTK 6 GN**		3026418	10
		violet	**PSBJ-URTK 6 VT**		3026421	10
		black	**PSBJ-URTK 6 BK**		3026447	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., $I_{max.}$ 20 A		black	**KSS 8**		0311540	10
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with 8.2 mm pitch 4-pos.		black	**KSS 4- 8**		0309549	10
Screwdriver			**SZS 1,0X4,0 VDE**		1205066	10
Screwdriver, for disconnect slide and test socket			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)**			





6 (10) mm², 57 A, feed-through terminal block, same shape

Technical data

Width	Length	Height NS 35/7,5	
8.2	**82**	**52**	
Width	Length	Height NS 32	
8.2	**82**	**57**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
57	**500**	**0.2 - 10**	**24-10**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
500	600	-	-
41 / 6	30 / -	-	-
6	-	-	-
24 - 8	24-10	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 4
12			
M4			
1.5 - 1.8			
PA			
V0			

Ordering data

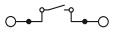
Type	I_{max}	Order No.	Pcs./Pkt.
USSTD 6		3070325	50

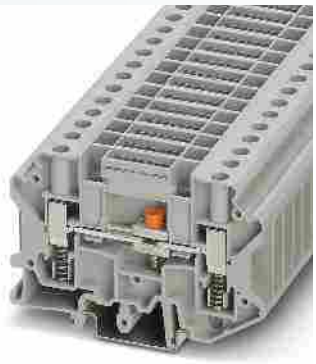
Accessories

D-USST 6-T		3070367	50
FBRI 10-8 N	45 A	2772080	10
PSBJ-URTK 6 FARBLOS		3026450	10
PSBJ-URTK 6 BU		3026434	10
PSBJ-URTK 6 YE		3026405	10
PSBJ-URTK 6 GN		3026418	10
PSBJ-URTK 6 VT		3026421	10
PSBJ-URTK 6 BK		3026447	10
KSS 8		0311540	10
KSS 4- 8		0309549	10
SZS 1,0X4,0 VDE		1205066	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)

Spring-assisted test disconnect and feed-through terminal blocks





6 (10) mm², 57 A, test disconnect terminal block, for accommodating switching bridges, 2 connections

Notes:

[1]) When the switching bridge is used, $U_{max.}$ is reduced to 400 V.

[2]) For additional test sockets, visit phoenixcontact.net/products

Technical data

Dimensions	Width	Length	Height NS 35/7,5	
[mm]	**8.2**	**82**	**52**	
Dimensions	Width	Length	Height NS 32	
[mm]	**8.2**	**82**	**57**	
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	57	**500[1])**	**0.2 - 10**	**24-10**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	500[1])	600	-	-
Nominal current / cross section [A] / [mm²]	41 / 6	30 / -	-	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	24 - 8	24-10	-	-
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
2 conductors (of the same type) [mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 4
General data				
Stripping length [mm]	12			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Insulating material	PA			
Flammability rating in accordance with UL 94	V0			

Ordering data

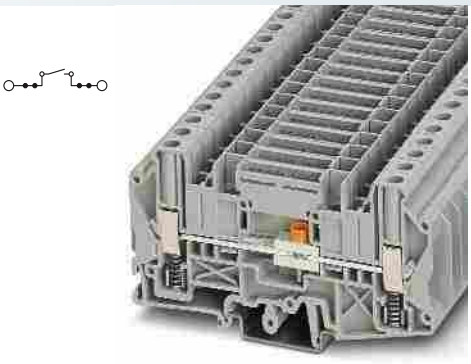
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Test disconnect terminal block, for mounting on NS 32... or NS 35...		gray	**USST 6-T/SB**		3070310	50

Accessories

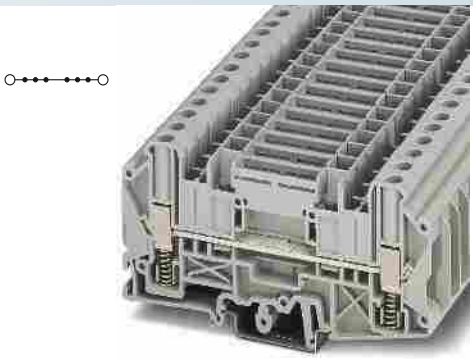
Cover, width: 2.2 mm		gray	**D-USST 6-T**		3070367	50
Switching bridge						
	2	orange	**SB 6-T 2-8**	32 A	3075842	10
	3	orange	**SB 6-T 3-8**	32 A	3075843	10
	4	orange	**SB 6-T 4-8**	32 A	3075844	10
Switching bridge, complete with test sockets						
	2	orange	**SBP 6-T 2-8**	20 A	3070321	10
	3	orange	**SBP 6-T 3-8**	20 A	3070322	10
	4	orange	**SBP 6-T 4-8**	20 A	3070323	10
Fixed bridge						
	10	silver	**SCBI 10-8,15**	30 A	3245134	10
Isolator bridge bar						
	10	silver	**SCBI 10-8,15 ISO**	24 A	3000417	10
Test socket		silver	**TPS 3/20/5**		3246586	10
Test socket, insulated[2])		gray	**PSBJ 6-T GY**		3070316	10
		brown	**PSBJ 6-T BN**		3070317	10
		black	**PSBJ 6-T BK**		3070318	10
		red	**PSBJ 6-T RD**		3070319	10
		orange	**PSBJ 6-T OG**		3070320	10
		yellow	**PSBJ 6-T YE**		3070326	10
		green	**PSBJ 6-T GN**		3070327	10
		violet	**PSBJ 6-T VT**		3070328	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., $I_{max.}$ 20 A		black	**KSS 8**		0311540	10
Screwdriver			**SZS 1,0X4,0 VDE**		1205066	10
Screwdriver, for disconnect slide and test socket			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)**			

Spring-assisted test disconnect and feed-through terminal blocks

Notes:
[1]) For additional test sockets, visit phoenixcontact.net/products
For further separating disks, visit phoenixcontact.net/products



10 (10) mm², 50 A, test disconnect terminal block



6 (10) mm², 50 A, feed-through terminal block, same shape

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**8.2**	**105.2**	**53**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**8.2**	**105.2**	**58**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		50	**1000**	**0.2 - 10**	**20-8**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	-	-
Nominal current / cross section	[A] / [mm²]	41 / 6	50	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	24 - 8	20-8	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.2 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
General data					
Stripping length	[mm]	12			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**8.2**	**105.2**	**53**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**8.2**	**105.2**	**58**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		50	**1000**	**0.2 - 10**	**20-8**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	-	-
Nominal current / cross section	[A] / [mm²]	41 / 6	50	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	24 - 8	20-8	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 10	0.2 - 6	0.25 - 6	0.25 - 6
2 conductors (of the same type)	[mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	-
General data					
Stripping length	[mm]	12			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Test disconnect terminal block, for mounting on NS 32... or NS 35...		gray	**USST 6-T/SP**		3070330	50
Feed-through terminal block, for mounting on NS 32... or NS 35...		gray				

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
USSTD 6/SP		3070331	50

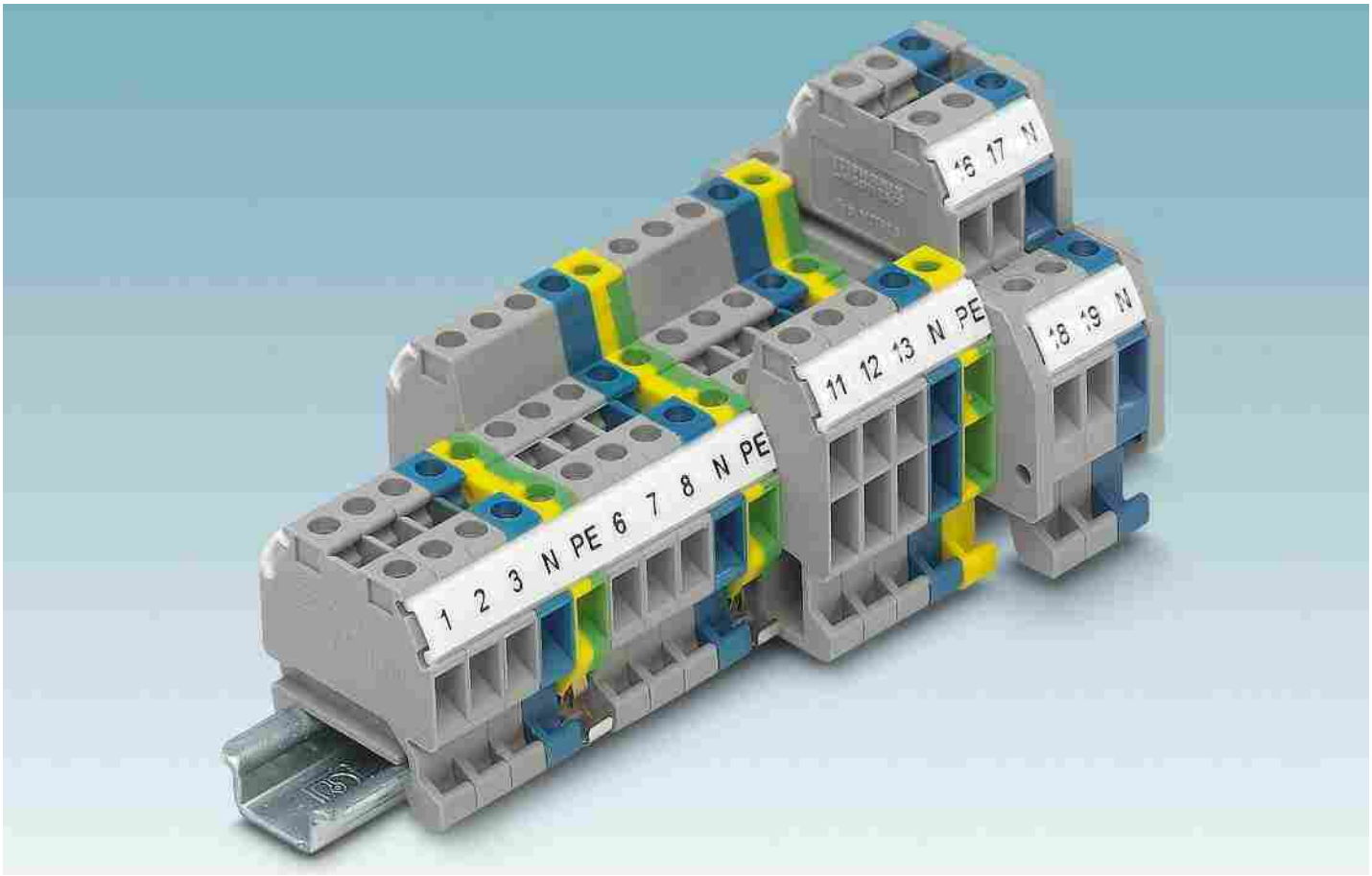
Accessories

Cover, width: 2.2 mm		gray	**D-UT 6-T/SP**		3072816	50
Plug-in bridge						
	2	red	**FBS 2-8**	41 A	3030284	10
	3	red	**FBS 3-8**	41 A	3030297	10
	10	red	**FBS 10-8**	41 A	3030323	10
Switching bridge						
	2	orange	**SB 6-T 2-8**	32 A	3075842	10
	3	orange	**SB 6-T 3-8**	32 A	3075843	10
	4	orange	**SB 6-T 4-8**	32 A	3075844	10
Switching bridge, complete with test sockets						
	2	orange	**SBP 6-T 2-8**	20 A	3070321	10
	3	orange	**SBP 6-T 3-8**	20 A	3070322	10
	4	orange	**SBP 6-T 4-8**	20 A	3070323	10
Isolator bridge bar						
	10	silver	**SCBI 10-8,15 ISO**	24 A	3000417	10
Test socket		silver	**TPS 3/20/5**		3246586	10
Test socket, insulated[1])		gray	**PSBJ 6-T GY**		3070316	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated, 2-pos., $I_{max.}$ 20 A		black	**KSS 8**		0311540	10
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with 8.2 mm pitch 4-pos.		black	**KSS 4- 8**		0309549	10
Screwdriver			**SZS 1,0X4,0 VDE**		1205066	10
Screwdriver, for disconnect slide and test socket			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)**			

Accessories

D-UT 6-T/SP		3072816	50
FBS 2-8	41 A	3030284	10
FBS 3-8	41 A	3030297	10
FBS 10-8	41 A	3030323	10
SBP 6-T 2-8	20 A	3070321	10
SBP 6-T 3-8	20 A	3070322	10
SBP 6-T 4-8	20 A	3070323	10
TPS 3/20/5		3246586	10
PSBJ 6-T GY		3070316	10
KSS 8		0311540	10
KSS 4- 8		0309549	10
SZS 1,0X4,0 VDE		1205066	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)			

Miniature terminal blocks MT ...



Your web code: #0059

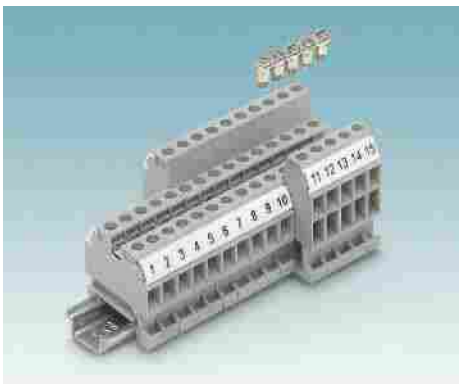
Miniature modular terminal blocks

The MT miniature screw terminal blocks may be tiny but they can be marked and bridged just like their larger cousins. With a pitch of 4.2 mm and a connection cross section of 1.5 mm², they permit convenient wiring in tight spaces.

Universal and zero-maintenance

The screw connection of the miniature terminal blocks MT is characterized by three main features.

– Global standard
– Multiple conductor connection
– Zero maintenance thanks to Reakdyn principle



Continuous potential distribution

Potential branching is one of the most common tasks in control unit construction. The MT miniature terminal blocks are available as three-conductor and four-conductor versions. A large number of switching tasks can be undertaken in the terminal strip with the linear bridge shaft.

Miniature feed-through terminal blocks MT ..., for NS 15 DIN rail

Their compact design means that the micro terminals MT 1,5 can keep pace with the growing need for ever smaller switch boxes

The miniature terminal blocks have everything that makes the modular terminal blocks stand out:

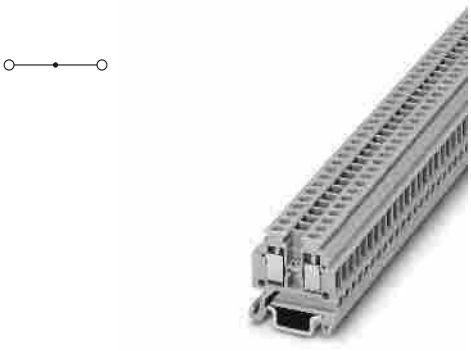
– Design width of just 4.2 mm
– Nominal cross section of 1.5 mm²
– Snap-on foot for DIN rails NS 15
– Numerous labeling options
– Bridging facility in terminal center

Potential branching is one of the main tasks of modular terminal blocks in control unit construction.

– The three- or four-conductor terminal blocks MT 1,5-TWIN or MT 1,5-QUATTRO undertake this work in very tight spaces
– The MUT ... miniature terminal blocks can be found in the section on 4 mm² UT screw connection terminal blocks
– The amount of space saved is maximized with the double-level micro terminal MTTB 1,5
– This double-level terminal block contains two feed-through levels which can be bridged independently of one another
– Can be used on both the 15 mm DIN rail NS 15 and the 35 mm DIN rail NS 35

Notes:

For mini screw terminal blocks with plug-in bridges, see page 157



1.5 (1.5) mm², 17.5 A, feed-through terminal block

Ex: EAC Ex

Technical data

Dimensions				
	Width	Length	Height NS 15	
	[mm]	**4.2**	**22**	**23.5**
Maximum electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	17.5	**400**	**0.14 - 1.5**	**30-14**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	275
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 16	30-14	28-14	0.14-1.5
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
2 conductors (of the same type)	[mm²]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
General data					
Stripping length	[mm]	6			
Screw thread		M2			
Tightening torque	[Nm]	0.22 - 0.25			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 15 in acc. with EN 60715		gray	**MT 1,5**		3100305	50
		blue	**MT 1,5 BU**		3003363	50

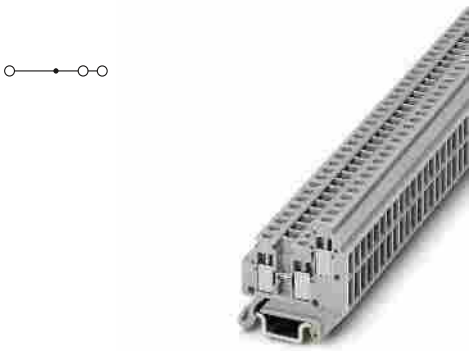
Accessories

Cover, width: 1 mm		gray	**D-MT 1,5**		3100321	50
		blue	**D-MT 1,5 BU**		3025529	50
Fixed bridge, isolated	10	silver	**FBRN 10-4 N**	12 A	3001624	10
Screwdriver			**SZS 0,4X2,5 VDE**		1205037	10
Lateral groove labeling			**ZBF 4 (see Catalog 3)**			

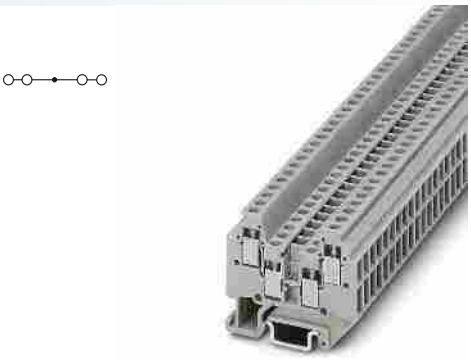
MT and MBK mini screw terminal blocks

Miniature feed-through terminal blocks with 3 and 4 connections MT ..., for NS 15 DIN rail

– Design width of just 4.2 mm
– Nominal cross section of 1.5 mm²
– Snap-on foot for DIN rails NS 15
– Numerous labeling options
– Bridging facility in terminal center



1.5 (1.5) mm², 17.5 A, feed-through terminal block, 3 connections



1.5 (1.5) mm², 16 A, feed-through terminal block, 4 connections

Technical data

Dimensions		Width	Length	Height NS 15	
	[mm]	**4.2**	**27.8**	**24.4**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**400**	**0.14 - 1.5**	**30-14**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	15 / -	15 / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 16	30-14	28-14	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
2 conductors (of the same type)	[mm²]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
General data					
Stripping length	[mm]	6			
Screw thread		M2			
Tightening torque	[Nm]	0.22 - 0.25			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 15 in acc. with EN 60715		gray	**MT 1,5-TWIN**		3001682	50
		blue	**MT 1,5-TWIN BU**		3025532	50

Accessories

Cover, width: 1 mm		gray	**D-MT 1,5-TWIN**	3002979	50
		blue			
Fixed bridge, isolated	10	silver	**FBRN 10-4 N**	12 A	3001624	10
Screwdriver			**SZS 0,4X2,5 VDE**	1205037	10
Lateral groove labeling			**ZBF 4 (see Catalog 3)**			

Technical data

		Width	Length	Height NS 15	
		4.2	**33.5**	**30**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		16	**400**	**0.14 - 1.5**	**30-14**
		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	300	300	-
Nominal current / cross section	[A] / [mm²]	16 / 1.5	15 / -	15 / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 16	30-14	28-14	-
		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
2 conductors (of the same type)	[mm²]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
Stripping length	[mm]	6			
Screw thread		M2			
Tightening torque	[Nm]	0.22 - 0.25			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

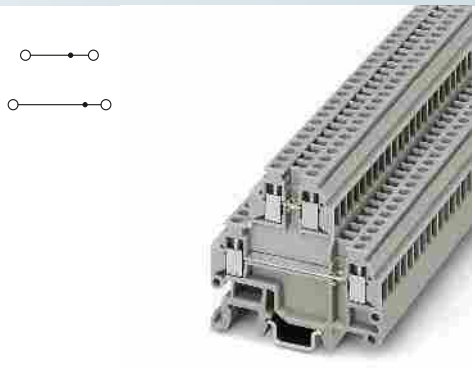
Type	I_{max}	Order No.	Pcs./Pkt.
MT 1,5-QUATTRO		3001679	50
MT 1,5-QUATTRO BU		3025150	50

Accessories

D-MT 1,5-QUATTRO	3002982	50
D-MT 1,5-QUATTRO BU	3025309	50
FBRN 10-4 N 12 A	3001624	10
SZS 0,4X2,5 VDE	1205037	10
ZBF 4 (see Catalog 3)		

Miniature double-level terminal blocks MTTB 1,5

- Design width of just 4.2 mm
- Nominal cross section of 1.5 mm²
- Snap-on foot for DIN rails NS 15 and NS 35
- Numerous labeling options
- Bridging facility on both levels
- Even if fully wired, the level offset offers unobstructed access to the lower connection level



1.5 (1.5) mm², 17.5 A, double-level terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**4.2**	**44**	**41**	
Dimensions		Width	Length	Height NS 15	
	[mm]	**4.2**	**44**	**41**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		17.5	**400**	**0.14 - 1.5**	**-**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	300	-
Nominal current / cross section	[A] / [mm²]	17.5 / 1.5	- / -	15 / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 16	-	28-14	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
2 conductors (of the same type)	[mm²]	0.14 - 0.5	0.14 - 0.5	0.25 - 0.34	-
General data					
Stripping length	[mm]	6			
Screw thread		M2			
Tightening torque	[Nm]	0.22 - 0.25			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

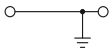
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Double-level terminal block, with universal foot, for mounting on NS 15 or NS 35 in accordance with EN 60715		gray	**MTTB 1,5**		1414129	50
		blue	**MTTB 1,5 BU**		3000926	50

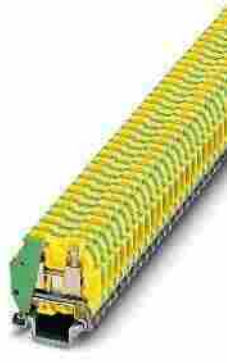
Accessories

Cover, 4 mm width		gray	**D-MTTB 1,5**		3002665	50
Spacer cover, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2 mm thick		gray	**DG-MTTB 1,5**		3002678	50
Spacer plate, compensates for level offset if standard terminal blocks are to be fitted adjacently, 2 mm thick		gray	**DP-MTTB 1,5**		3002681	50
Fixed bridge, isolated	10	silver	**FBRN 10-4 N**	12 A	3001624	10
Screwdriver			**SZS 0,4X2,5 VDE**		1205037	10
Lateral groove labeling			**ZBF 4 (see Catalog 3)**			

Miniature ground terminal blocks MT ...-PE, for NS 15 DIN rails

– Same shape and pitch as the feed-through terminal blocks
– The MT ...-PE fulfill all requirements of the IEC 60947-7-2 standard
  These are in particular:
– Low contact resistances
– Green-yellow housing
– Corrosion-proof terminal points
– Captive clamping screws





1.5 (1.5) mm², ground terminal block

Ex: EAC Ex

Technical data

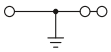
Dimensions					
	[mm]	Width	Length	Height NS 15	
		4.2	**22**	**23.5**	
Maximum electrical data				max. Ø [mm²]	AWG (UL)
				0.14 - 1.5	**30-14**
Rated data		IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	-	-	-	-
Nominal current / cross section	[A] / [mm²]	- / -	-	- / -	-
Rated cross section	[mm²]	1.5	-	-	-
Cross section range	AWG	26 - 16	30-14	28-14	0.14-1.5
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
2 conductors (of the same type)	[mm²]	-	-	-	-
General data					
Stripping length	[mm]	6			
Screw thread		M2			
Tightening torque	[Nm]	0.22 - 0.25			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

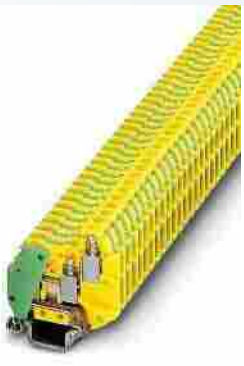
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Ground terminal block, for mounting on NS 15	green-yellow	**MT 1,5-PE**	3100318	50

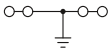
Accessories

Screwdriver	**SZS 0,4X2,5 VDE**	1205037	10
Lateral groove labeling	**ZBF 4 (see Catalog 3)**		





1.5 (1.5) mm², ground terminal block, 3 connections



1.5 (1.5) mm², ground terminal block, 4 connections

Technical data

Width	Length	Height NS 15	
4.2	**28**	**30**	
		max. Ø [mm²]	AWG (UL)
		0.14 - 1.5	**30-14**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	- / -	-
1.5	-	-	-
26 - 16	30-14	28-14	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
-	-	-	-
6			
M2			
0.22 - 0.25			
PA			
V0			

Ordering data

Type	Order No.	Pcs./Pkt.
MT 1,5-TWIN-PE	3001705	50

Accessories

SZS 0,4X2,5 VDE	1205037	10
ZBF 4 (see Catalog 3)		

Technical data

Width	Length	Height NS 15	
4.2	**33.5**	**30**	
		max. Ø [mm²]	AWG (UL)
		0.14 - 1.5	**30-14**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	- / -	-
1.5	-	-	-
26 - 16	30-14	28-14	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.14 - 1.5	0.14 - 1.5	0.25 - 0.75	0.25 - 0.75
-	-	-	-
6			
M2			
0.22 - 0.25			
PA			
V0			

Ordering data

Type	Order No.	Pcs./Pkt.
MT 1,5-QUATTRO-PE	3001695	50

Accessories

SZS 0,4X2,5 VDE	1205037	10
ZBF 4 (see Catalog 3)		

Miniature feed-through terminal blocks MBK ...

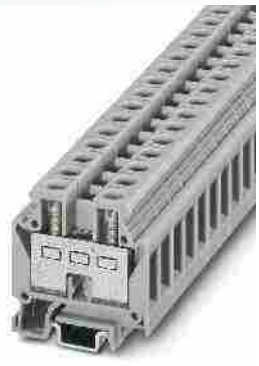
- The MBK ... and MSLKG ... terminal blocks represent the top end of the mini terminal block range for 15 mm NS 15 DIN rails
- MBK ... terminal blocks can be bridged in the terminal center
- Lateral marking with ZB zack marker strip terminal marking for tall marker groove
- Cross sections of up to 6 mm² can be easily wired
- Extensive bridging material, such as fixed bridges, insertion bridges and switchable bridges, enable simple and reliable potential branching
- A separating disk, partition plate, and test socket complete the range of accessories
- The MUT ... miniature terminal blocks can be found in the section on 4 mm² UT screw connection terminal blocks

Notes:

For 2.5 mm² mini screw terminal blocks with bridges, see page 157.

For 4 mm² mini screw terminal blocks with bridges, see page 171.

[1]) For information on installation and using accessories for Ex applications, see page 678.



6 (10) mm², 57 A, feed-through terminal block

EAC

Ex: EAC Ex
KEMA 01ATEX2134U / IECEx KEM 07.0008U

Technical data

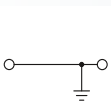
Dimensions					
	[mm]	Width	Length	Height NS 15	
		8.2	**35**	**36**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		57	**500**	**0.5 - 10**	**26-8**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	600	300	275
Nominal current / cross section	[A] / [mm²]	41 / 6	50 / -	50 / -	37 / 6
Rated cross section	[mm²]	6	-	-	0.5-6
Cross section range	AWG	20 - 8	26-8	26-8	20 - 8
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.25 - 6	0.25 - 6
2 conductors (of the same type)	[mm²]	0.5 - 2.5	0.5 - 2.5	0.5 - 2.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 2.5
Max. cross section with insertion bridge	[mm²]	6	4	-	-
General data					
Stripping length	[mm]	10			
Screw thread		M4			
Tightening torque	[Nm]	1.5 - 1.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V2			

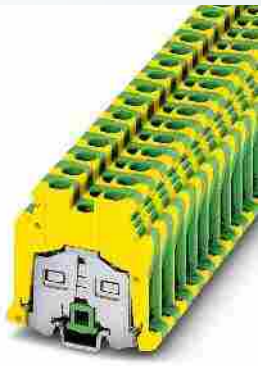
Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal, for mounting on NS 15		gray	**MBK 6/E**		0552024	50
Ground terminal block, for mounting on NS 15		green-yellow				

Accessories[1])

Cover, width: 1.5 mm		gray	**D-MBK 6/E**		1413049	50
Insertion bridge, fully insulated						
	2	gray	**EB 2- 8**	43 A	0202154	100
	3	gray	**EB 3- 8**	43 A	0202141	100
	4	gray	**EB 4- 8**	43 A	0202142	100
	10	gray	**EB 10- 8**	43 A	0202138	10
Fixed bridge, isolated						
	10	silver	**FBI 10- 8**	48 A	0203263	10
Switching bridge for 2 terminal blocks, complete, mounted with short or long link in accordance with required separation						
	2	silver	**SB 2- 8/13**	43 A	0202235	1
Bridge bar isolator, as distance piece for isolator bridge bar		gray	**IS-K 10**		1303337	100
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		2770215	50
Partition plate, for visual and electrical separation of terminal groups, 2.5 mm thick		gray	**ATP-MBK**		1413227	50
Test socket, for test connection with test plug PS		silver	**PSB 4/7/6**		0303299	10
Screwdriver			**SZS 1,0X4,0 VDE**		1205066	10
Lateral groove labeling			**ZB 8 (see Catalog 3)**			





6 (10) mm², ground terminal block

EAC

Ex: EAC Ex

KEMA 01ATEX2134U / IECEx KEM 07.0008U

Technical data

Width	Length	Height NS 15	
8.2	**39**	**36**	
		max. Ø [mm²]	AWG (UL)
		0.5 - 10	**26-8**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	- / -	- / 6
6	-	-	0.5-6
20 - 8	26-8	26-8	20 - 8
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
0.5 - 2.5	0.2 - 2.5	0.5 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-
10			
M4			
1.5 - 1.8			
PA			
V2			

Ordering data

Type	Order No.	Pcs./Pkt.
MSLKG 6	**1410505**	50

Accessories[1])

SZS 1,0X4,0 VDE	**1205066**	10

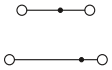
ZB 8 (see Catalog 3)

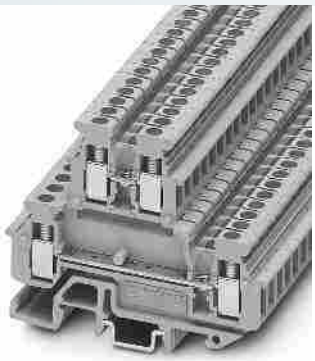
Mini double-level terminal blocks MBKKB 2,5 ...

– The miniature double-level terminal block is characterized by its space-saving, low height and offset levels
– Fixed bridges and test sockets can be inserted on both levels

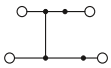
Notes:

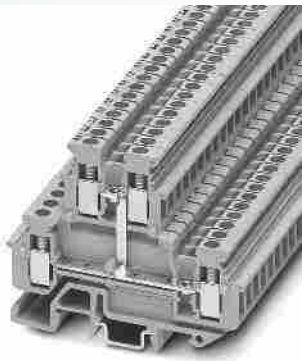
[1]) For information on installation and using accessories for Ex applications, see page 678.





2.5 (4) mm², 24 A, double-level terminal block





2.5 (4) mm², 24 A, double-level terminal block, internally connected levels

EAC

Ex: EAC Ex
KEMA 03ATEX2082 U / IECEx KEM 07.0018U

EAC

Technical data

Dimensions		Width	Length	Height NS 35/7,5		Width	Length	Height NS 35/7,5	
	[mm]	**5.2**	**62**	**48**		**5.2**	**62**	**48**	
Dimensions		Width	Length	Height NS 15		Width	Length	Height NS 15	
	[mm]	**5.2**	**62**	**47.5**		**5.2**	**62**	**47.5**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**500**	**0.2 - 4**	**30-12**	**24**	**500**	**0.2 - 4**	**30-12**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	275	500	300	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	21 / 2.5	24 / 2.5	20 / -	-	-
Rated cross section	[mm²]	2.5	-	-	0.2-2.5	2.5	-	-	-
Cross section range	AWG	24 - 12	30-12	28-12	24 - 12	24 - 12	30-12	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 1.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1	-	-	-	0.5 - 1
Max. cross section with insertion bridge	[mm²]	2.5	2.5	-	-	2.5	2.5	-	-
General data									
Stripping length	[mm]	7				7			
Screw thread		M3				M3			
Tightening torque	[Nm]	0.5 - 0.6				0.5 - 0.6			
Insulating material		PA				PA			
Flammability rating in accordance with UL 94		V2				V2			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Double-level terminal block, with universal foot, for mounting on NS 15 or NS 35... in accordance with EN 60715		gray	**MBKKB 2,5**		1414064	50
		blue	**MBKKB 2,5 BU**		1414077	50
Double-level terminal block, with universal foot, for mounting on NS 15 or NS 35... in accordance with EN 60715, with equipotential bonding between the levels		gray				
		blue				

Accessories[1])

Cover, width: 5 mm		gray	**D-MBKKB 2,5**		1413052	50
		blue	**D-MBKKB 2,5 BU**		1413081	50
Spacer plate, compensates for level offsets, width: 2.5 mm		gray	**DP-MBKKB 2,5**		1413065	50
Fixed bridge, isolated						
	2	silver	**FBRNI 2-5 N**	22 A	3000175	10
	3	silver	**FBRNI 3-5 N**	22 A	3000162	10
	4	silver	**FBRNI 4-5 N**	22 A	3000159	10
	10	silver	**FBRNI 10-5 N**	22 A	2770639	10
Insertion bridge, for 5.2 mm pitch, fully insulated						
	2	gray	**EB 2- 5**	20 A	1401158	100
	3	gray	**EB 3- 5**	20 A	1401145	100
	10	gray	**EB 10- 5**	20 A	1401132	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3 SO**		2778534	50
Test socket		silver	**PSB 3/10/4**		0601292	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**ZB 5 (see Catalog 3)**			

Ordering data

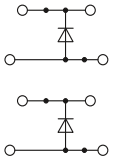
Type	I_{max}	Order No.	Pcs./Pkt.
MBKKB 2,5-PV		2800583	50
MBKKB 2,5-PV BU		1414132	50

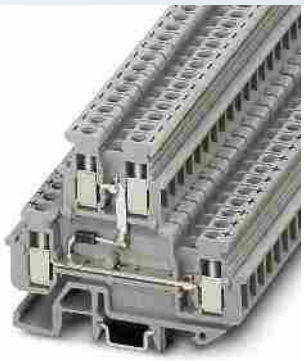
Accessories[1])

D-MBKKB 2,5		1413052	50
D-MBKKB 2,5 BU		1413081	50
DP-MBKKB 2,5		1413065	50
FBRNI 2-5 N	22 A	3000175	10
FBRNI 3-5 N	22 A	3000162	10
FBRNI 4-5 N	22 A	3000159	10
FBRNI 10-5 N	22 A	2770639	10
EB 2- 5	20 A	1401158	100
EB 3- 5	20 A	1401145	100
EB 10- 5	20 A	1401132	10
TS-KK 3 SO		2778534	50
PSB 3/10/4		0601292	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 5 (see Catalog 3)			

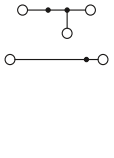
Mini double-level terminal blocks with diode, MBKKB 2,5...

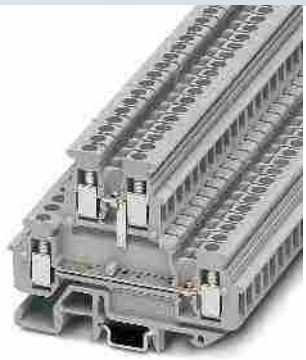
– Thanks to the different versions of double-level diode terminal blocks, it is possible to carry out a great variety of switching tasks
– The following can be realized in tight spaces: Free-wheeling diode circuits, lamp test circuits, reporting and fault reporting circuits





2.5 (4) mm², 24 A, double-level terminal block, with built-in 1N 4007 diode





2.5 (4) mm², 24 A, double-level terminal block for soldering in components

Notes:

1) Data is based on the dielectric strength of adjacent terminal blocks or of the DIN rail.

2) Integrated: Diode 1N 4007, reverse voltage: 1300 V, maximum continuous current: 0.5 A

Technical data

Dimensions	Width	Length	Height NS 35/7,5		
[mm]	**5.2**	**62**	**48**		
Dimensions	Width	Length	Height NS 15		
[mm]	**5.2**	**62**	**47.5**		
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
	24	**500[1])**	**0.2 - 4**	**-**	
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	
Rated voltage [V]	500[1])	-	-	-	
Nominal current / cross section [A] / [mm²]	24 / 2.5	-	-	-	
Rated cross section [mm²]	2.5	-	-	-	
Cross section range AWG	24 - 12	-	-	-	
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve		
1 conductor [mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5	
2 conductors (of the same type) [mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-	
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1.5	
Max. cross section with insertion bridge [mm²]	2.5	2.5	-	-	
General data					
Stripping length [mm]	7				
Screw thread	M3				
Tightening torque [Nm]	0.5 - 0.6				
Insulating material	PA				
Flammability rating in accordance with UL 94	V2				

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, with integrated diode, conducting from top to bottom[2])		gray	**MBKKB 2,5-DIO/O-U**		2800567	50
Terminal block, with integrated diode, conducting from bottom to top[2])		gray	**MBKKB 2,5-DIO/U-O**		2800570	50
Terminal block, component can be soldered in		gray				

Accessories

Cover, width: 5 mm		gray	**D-MBKKB 2,5**		1413052	50
Spacer plate, compensates for level offsets, width: 2.5 mm		gray	**DP-MBKKB 2,5**		1413065	50
Fixed bridge, isolated						
	2	silver	**FBRNI 2-5 N**	22 A	3000175	10
	3	silver	**FBRNI 3-5 N**	22 A	3000162	10
	4	silver	**FBRNI 4-5 N**	22 A	3000159	10
	10	silver	**FBRNI 10-5 N**	22 A	2770639	10
Screwdriver			**SF-SL 0,6X3,5-100 S-VDE**		1212587	10
Lateral groove labeling			**ZB 5 (see Catalog 3)**			

Technical data

Dimensions	Width	Length	Height NS 35/7,5		
[mm]	**5.2**	**62**	**48**		
Dimensions	Width	Length	Height NS 15		
[mm]	**5.2**	**62**	**47.5**		
Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
	24	**500[1])**	**0.2 - 4**	**-**	
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7	
Rated voltage [V]	500[1])	-	-	-	
Nominal current / cross section [A] / [mm²]	24 / 2.5	-	-	-	
Rated cross section [mm²]	2.5	-	-	-	
Cross section range AWG	24 - 12	-	-	-	
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve		
1 conductor [mm²]	0.2 - 4	0.2 - 2.5	0.25 - 2.5	0.25 - 2.5	
2 conductors (of the same type) [mm²]	0.2 - 1	0.2 - 1.5	0.25 - 1.5	-	
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1.5	
Max. cross section with insertion bridge [mm²]	2.5	2.5	-	-	
General data					
Stripping length [mm]	7				
Screw thread	M3				
Tightening torque [Nm]	0.5 - 0.6				
Insulating material	PA				
Flammability rating in accordance with UL 94	V2				

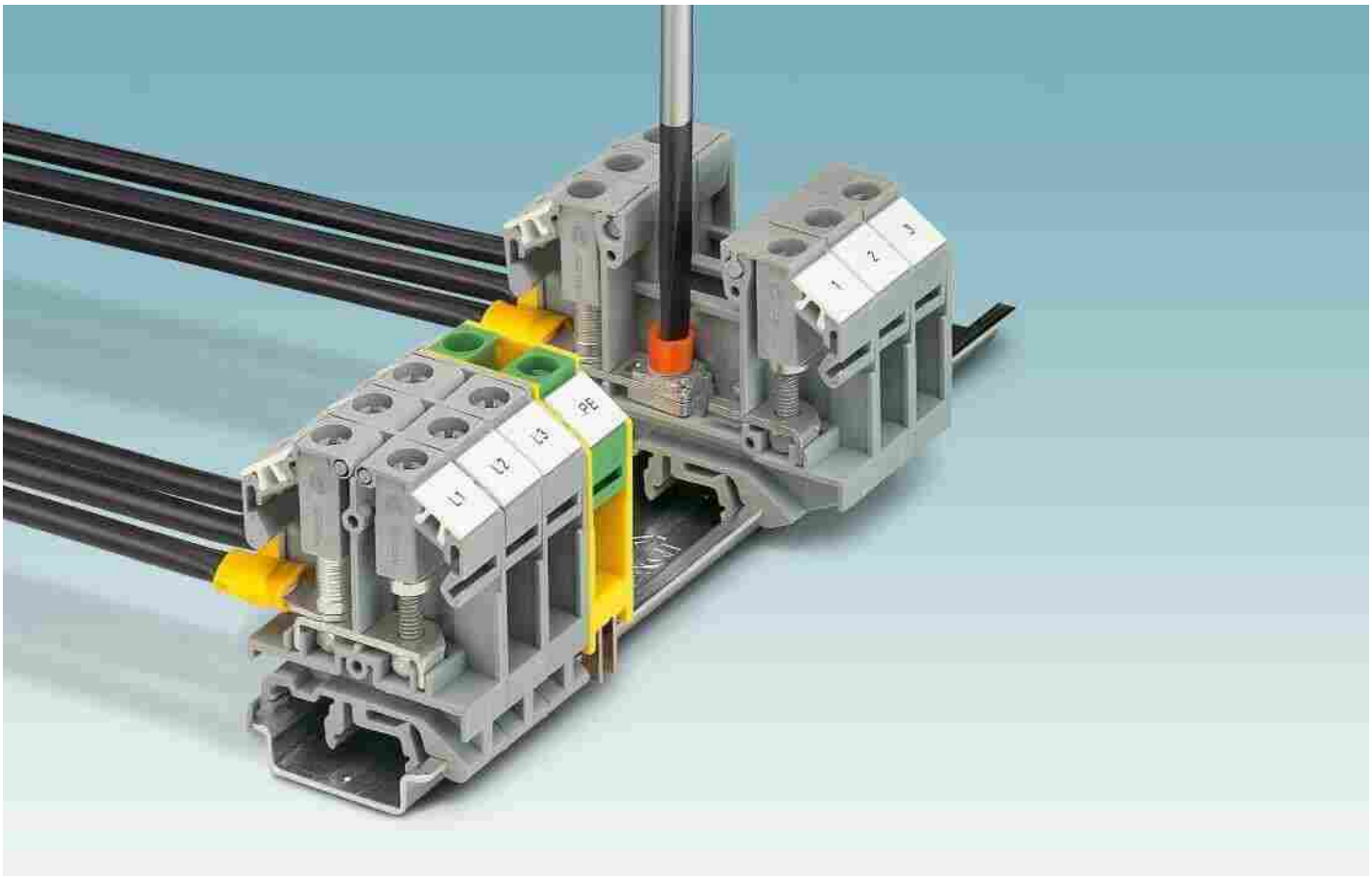
Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
MBKKB 2,5-BE		1414103	50

Accessories

D-MBKKB 2,5		1413052	50
DP-MBKKB 2,5		1413065	50
FBRNI 2-5 N	22 A	3000175	10
FBRNI 3-5 N	22 A	3000162	10
FBRNI 4-5 N	22 A	3000159	10
FBRNI 10-5 N	22 A	2770639	10
SF-SL 0,6X3,5-100 S-VDE		1212587	10
ZB 5 (see Catalog 3)			

OTTA bolt connection terminal blocks



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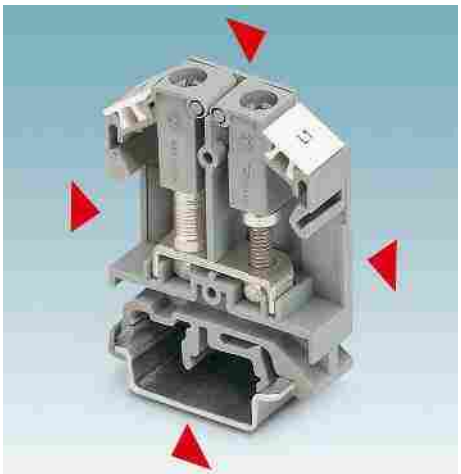
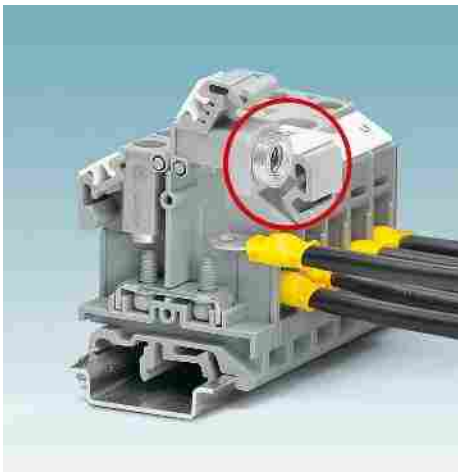


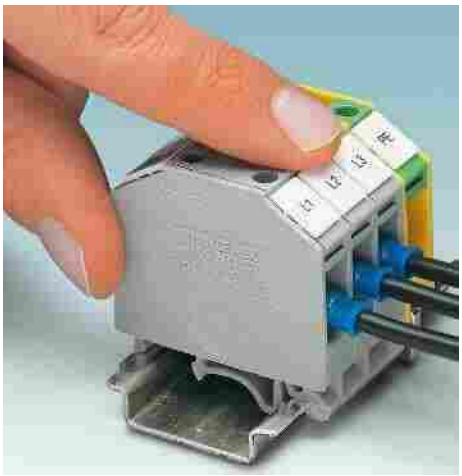
Space-saving design

Thanks to their compact type, OTTA bolt connection terminal blocks are ideally suited for switchgear, in which space is limited.



Fast, convenient conductor connection

The key feature of this range is the hinged cover which can be swiveled open and which features a captive cap nut. This guarantees quick and easy ring cable lug wiring.

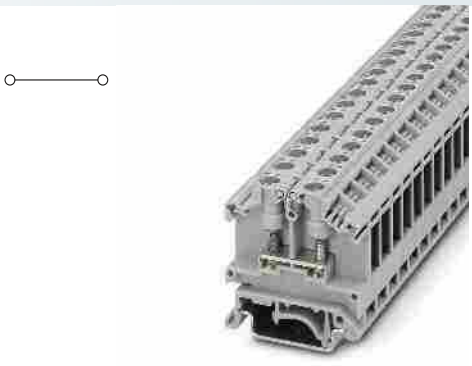


Integrated shock protection

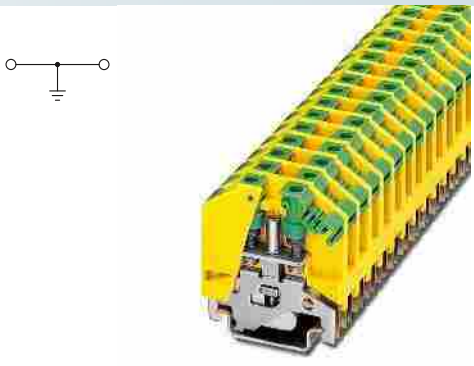
In addition to securing the cap nuts, the hinged cover offers simultaneous shock protection when using insulated ring cable lugs.

OTTA ... feed-through and ground terminal blocks

- Convenient and fast conductor connection with captive cap nuts
- Safe use, even in applications which are subject to the most stringent requirements regarding shock and vibration
- Space-saving, compact design
- Integrated screw locking



2.5 (2.5) mm², 24 A, feed-through terminal block



2.5 (2.5) mm², ground terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**9**	**43.5**	**45.5**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**9**	**43.5**	**50.5**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**800**	**0.1 - 2.5**	**-**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	600	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	20 / -	20 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	26 - 14	-	22-14	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.1 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 7.6			
Color code	red	1.50 mm²			
	blue	2.50 mm²			
Connection capacity, DIN 46237					
Cable lugs DIN 46237	[mm²]	0.5 - 2.5			
Connection bolt / hole diameter / width	[mm]	3 / 3.2 / 7.6			
General data					
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 35...		gray	**OTTA 2,5**		0790530	50
With test socket screws		gray	**OTTA 2,5-P/P**		0790543	50
Ground terminal block, for mounting on NS 35...		green-yellow				

Accessories

Cover, width: 1.5 mm		gray	**D-OTTA 2,5**		0790569	50
Insertion bridge						
	2	gray	**EB 2-OTTA 2,5**	24 A	3026065	10
	3	gray	**EB 3-OTTA 2,5**	24 A	3026078	10
	4	gray	**EB 4-OTTA 2,5**	24 A	3026081	10
	5	gray	**EB 5-OTTA 2,5**	24 A	3026094	10
	6	gray	**EB 6-OTTA 2,5**	24 A	3026104	10
	7	gray	**EB 7-OTTA 2,5**	24 A	3026117	10
	10	gray	**EB 10-OTTA 2,5**	24 A	3026120	10
Partition plate, for visual and electrical separation of terminal groups, 1,5 mm thick		gray	**ATP-OTTA 2,5**		0790572	50
Screwdriver			**SZS 0,6X3,5**		1205053	10
Lateral groove labeling			**ZB 8 (see Catalog 3)**			

Technical data

Width	Length	Height NS 35/7,5		
10	**43.5**	**45.5**		
Width	Length	Height NS 32		
10	**43.5**	**50.5**		
	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
	500	**0.1 - 2.5**	**-**	
IEC 60947-7-2 IEC	UL / CUL	CSA	IEC/ EN 60079-7	
500	-	-	-	
17.5 / -	-	- / -	-	
2.5	-	-	-	
26 - 14	-	22-14	-	
0.1 - 2.5				
3 / 3.2 / 7.6				
1.50 mm²				
2.50 mm²				
0.5 - 2.5				
3 / 3.2 / 7.6				
M3				
0.6 - 0.8				
PA				
V2				

Ordering data

Type	Order No.	Pcs./Pkt.
OTTA 2,5-PE	0790556	50

Accessories

Type	Order No.	Pcs./Pkt.
EB 2-OTTA 2,5	3026065	10
EB 3-OTTA 2,5	3026078	10
EB 4-OTTA 2,5	3026081	10
EB 5-OTTA 2,5	3026094	10
EB 6-OTTA 2,5	3026104	10
EB 7-OTTA 2,5	3026117	10
EB 10-OTTA 2,5	3026120	10
ATP-OTTA 2,5	0790572	50
SZS 0,6X3,5	1205053	10
ZB 8 (see Catalog 3)		

OTTA ... feed-through and ground terminal blocks

– Convenient and fast conductor connection with captive cap nuts
– Safe use, even in applications which are subject to the most stringent requirements regarding shock and vibration
– Space-saving, compact design
– Integrated screw locking

6 (6) mm², 41 A, feed-through terminal block

Technical data

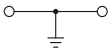
Dimensions		Width	Length	Height NS 35/7,5
	[mm]	**11**	**43.5**	**52**
Dimensions		Width	Length	Height NS 32
	[mm]	**11**	**43.5**	**57**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		41	**800**	**0.1 - 6** / **-**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA / IEC/ EN 60079-7
Rated voltage	[V]	800	600	600 / -
Nominal current / cross section	[A] / [mm²]	41 / 6	30 / -	30 / - / -
Rated cross section	[mm²]	6	-	- / -
Cross section range	AWG	26 - 10	-	22-10 / -
Connection capacity, DIN 46234				
Cable lugs, DIN 46234	[mm²]	0.1 - 6		
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 9.6		
Color code	red	1.50 mm²		
	blue	2.50 mm²		
	yellow	6.00 mm²		
Connection capacity, DIN 46237				
Cable lugs DIN 46237	[mm²]	0.5 - 2.5		
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 9.6		
General data				
Screw thread		M4		
Tightening torque	[Nm]	1.5 - 1.8		
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 35...		gray	**OTTA 6**		0790433	50
With test socket screws		gray	**OTTA 6-P/P**		0790404	50
Ground terminal block, for mounting on NS 35...		green-yellow				
Terminal block, for mounting on NS 35...		gray				
with M6 screws		gray				

Accessories

Cover, width: 1.5 mm		gray	**D-OTTA 6**		0790417	50
Cover, width: 2 mm		gray				
Insertion bridge						
	2	gray	**EB 2-OTTA 6**	41 A	0790608	10
	3	gray	**EB 3-OTTA 6**	41 A	3026036	10
	4	gray	**EB 4-OTTA 6**	41 A	3026049	10
	5	gray	**EB 5-OTTA 6**	41 A	3026050	10
	7	gray	**EB 7-OTTA 6**	41 A	3026052	10
	10	gray	**EB 10- OTTA 6**	41 A	0790420	10
Partition plate, for visual and electrical separation of terminal groups, 1,5 mm thick		gray	**ATP-OTTA 6**		0790475	50
Screwdriver			**SZS 1,0X6,5 VDE**		1205079	10
Lateral groove labeling			**ZB 8 (see Catalog 3)**			



6 (6) mm², ground terminal block

25 (25) mm², 101 A, feed-through terminal block

EAC

Technical data

Width	Length	Height NS 35/7,5	
12	**43.5**	**52**	
Width	Length	Height NS 32	
12	**43.5**	**57**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41	**800**	**0.1 - 6**	**-**
IEC 60947-7-2			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	-
41 / 6	-	- / -	-
6	-	-	-
26 - 10	-	22-10	-
0.1 - 6 4 / 4.3 / 9.6 1.50 mm² 2.50 mm² 6.00 mm²			
0.5 - 2.5 4 / 4.3 / 9.6			
M4 1.5 - 1.8 PA V0			

Ordering data

Type	Order No.	Pcs./Pkt.
OTTA 6-PE	0790527	50

Accessories

EB 2-OTTA 6	0790608	10
EB 3-OTTA 6	3026036	10
EB 4-OTTA 6	3026049	10
EB 5-OTTA 6	3026050	10
EB 7-OTTA 6	3026052	10
EB 10- OTTA 6	0790420	10
SZS 1,0X6,5 VDE	1205079	10

ZB 8 (see Catalog 3)

EAC

Technical data

Width	Length	Height NS 35/7,5	
18	**60**	**64.5**	
Width	Length	Height NS 32	
18	**60**	**69.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
101	**800**	**0.1 - 25**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	-	600	-
101 / 25	- / -	100 / -	-
25	-	-	-
26 - 4	-	18-4	-
0.1 - 25 5 / 5.3 / 16			
1 - 6 5 / 5.3 / 16			
M5 2.5 - 3 PA V0			

Ordering data

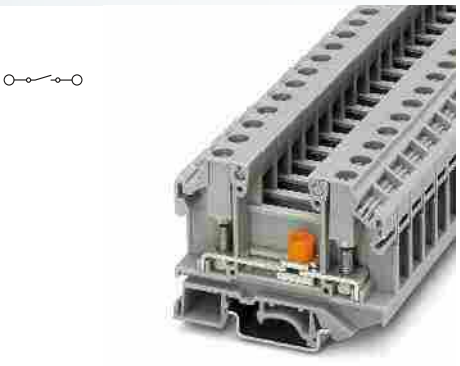
Type	Order No.	Pcs./Pkt.
OTTA 25-M5	0790488	50
OTTA 25-M6	0790491	50

Accessories

D-OTTA 25	0790514	50
ATP-OTTA 25	0790501	50
SZS 1,0X6,5 VDE	1205079	10

ZB 10 (see Catalog 3)

OTTA 6-T ... test disconnect terminal blocks



6 (6) mm², 36 A, test disconnect terminal block

- Easy and clear testing in measuring transducer secondary circuits can be performed using the OTTA 6-T... test disconnect terminal blocks
- Compact design
- Switching bridges with and without test sockets

Technical data

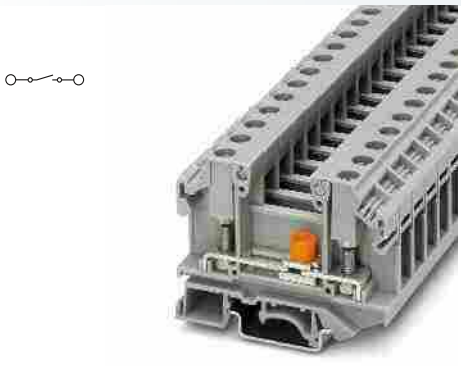
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		11	**69**	**52**
Dimensions		Width	Length	Height NS 32
	[mm]	**11**	**69**	**57**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] AWG (UL)
		36	**800**	**0.1 - 6** **-**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA IEC/ EN 60079-7
Rated voltage	[V]	800	600	600 -
Nominal current / cross section	[A] / [mm²]	36 / 6	30 / -	25 / - -
Rated cross section	[mm²]	6	-	- -
Cross section range	AWG	26 - 10	-	22-10 -
Connection capacity, DIN 46234				
Cable lugs, DIN 46234	[mm²]	0.1 - 6		
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 9.6		
Color code	red	1.50 mm²		
	blue	2.50 mm²		
	yellow	6.00 mm²		
Connection capacity, DIN 46237				
Cable lugs DIN 46237	[mm²]	0.5 - 2.5		
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 9.6		
General data				
Terminal point: Thread / torque	- / [Nm]	M4 / 1.5 - 1.8		
Disconnect slide: Thread / torque	- / [Nm]	M4 / 0.6 - 0.8		
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

Ordering data

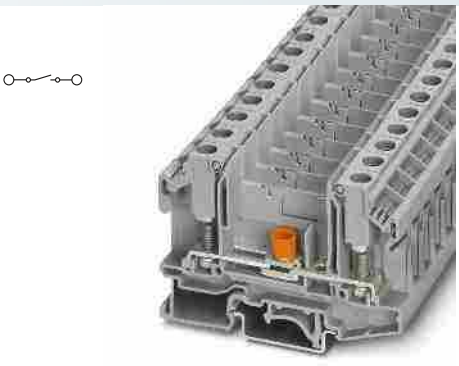
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Disconnect terminal block, for mounting on NS 35...		gray	**OTTA 6-T**		0790446	50
Disconnect terminal block, with test socket screws, for mounting on NS 35...		gray				
Disconnect terminal block, with test socket screws, for accommodating switching bridges, for mounting on NS 35...		gray				
Feed-through terminal block, with test socket screws, for accommodating switching bridges, for mounting on NS 35...		gray				

Accessories

Cover, width: 2 mm		gray	**D-OTTA 6-T**		0790459	50
Insertion bridge						
	2	gray	**EB 2-OTTA 6**	36 A	0790608	10
	3	gray	**EB 3-OTTA 6**	36 A	3026036	10
	4	gray	**EB 4-OTTA 6**	36 A	3026049	10
	5	gray	**EB 5-OTTA 6**	36 A	3026050	10
	7	gray	**EB 7-OTTA 6**	36 A	3026052	10
	10	gray	**EB 10- OTTA 6**	36 A	0790420	10
Switching bridge						
	2	silver				
Switching lock, plug-in		white	**S-OTTA 6-T**		0311199	50
Screwdriver			**SZS 1,0X6,5 VDE**		1205079	10
Lateral groove labeling			**ZB 10 (see Catalog 3)**			

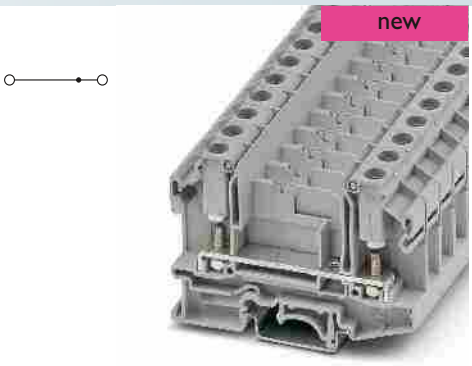


6 (6) mm², 36 A, test disconnect terminal block, with test socket screws



6 (6) mm², 41 A, test disconnect terminal block, with test socket screws, for accommodating switching bridges

new



6 (6) mm², 41 A, feed-through terminal block, with test socket screws, for accommodating switching bridges

Technical data

Width	Length	Height NS 35/7,5	
11	**69**	**52**	
Width	Length	Height NS 32	
11	**69**	**57**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
36	**800**	**0.1 - 6**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
36 / 6	30 / -	25 / -	-
6	-	-	-
26 - 10	-	22-10	-
0.1 - 6			
4 / 4.3 / 9.6			
1.50 mm²			
2.50 mm²			
6.00 mm²			
0.5 - 2.5			
4 / 4.3 / 9.6			
M4 / 1.5 - 1.8			
M4 / 1.2 - 1.4			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
11	**79.2**	**52**	
Width	Length	Height NS 32	
11	**79.2**	**57**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41	**1000**	**0.1 - 6**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
41 / 6	30 / -	-	-
6	-	-	-
26 - 10	-	-	-
0.1 - 6			
4 / 4.3 / 9.6			
1.50 mm²			
2.50 mm²			
6.00 mm²			
0.5 - 2.5			
4 / 4.3 / 9.6			
M4 / 1.5 - 1.8			
M4 / 1.2 - 1.4			
PA			
V0			

Technical data

Width	Length	Height NS 35/7,5	
11	**79.2**	**52**	
Width	Length	Height NS 32	
11	**79.2**	**57**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
41	**1000**	**0.1 - 6**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	-	-
41 / 6	30	-	-
6	-	-	-
26 - 12	-	-	-
0.1 - 6			
4 / 4.3 / 9.6			
1.50 mm²			
2.50 mm²			
6.00 mm²			
0.5 - 2.5			
4 / 4.3 / 9.6			
M4 / 1.5 - 1.8			
- / -			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
OTTA 6-T-P/P		0790462	50

Accessories

D-OTTA 6-T		0790459	50
EB 2-OTTA 6	36 A	0790608	10
EB 3-OTTA 6	36 A	3026036	10
EB 4-OTTA 6	36 A	3026049	10
EB 5-OTTA 6	36 A	3026050	10
EB 7-OTTA 6	36 A	3026052	10
EB 10- OTTA 6	36 A	0790420	10
S-OTTA 6-T		0311199	50
SZS 1,0X6,5 VDE		1205079	10

ZB 10 (see Catalog 3)

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
OTTA 6-T/SB-P/P		3001269	50

Accessories

D-OTTA/RBO-SB		3001355	50
EB 2-OTTA 6	36 A	0790608	10
EB 3-OTTA 6	36 A	3026036	10
EB 4-OTTA 6	36 A	3026049	10
EB 5-OTTA 6	36 A	3026050	10
EB 7-OTTA 6	36 A	3026052	10
EB 10- OTTA 6	36 A	0790420	10
USBR 2-11		3001356	50
SZS 1,0X6,5 VDE		1205079	10

ZB 10 (see Catalog 3)

Ordering data

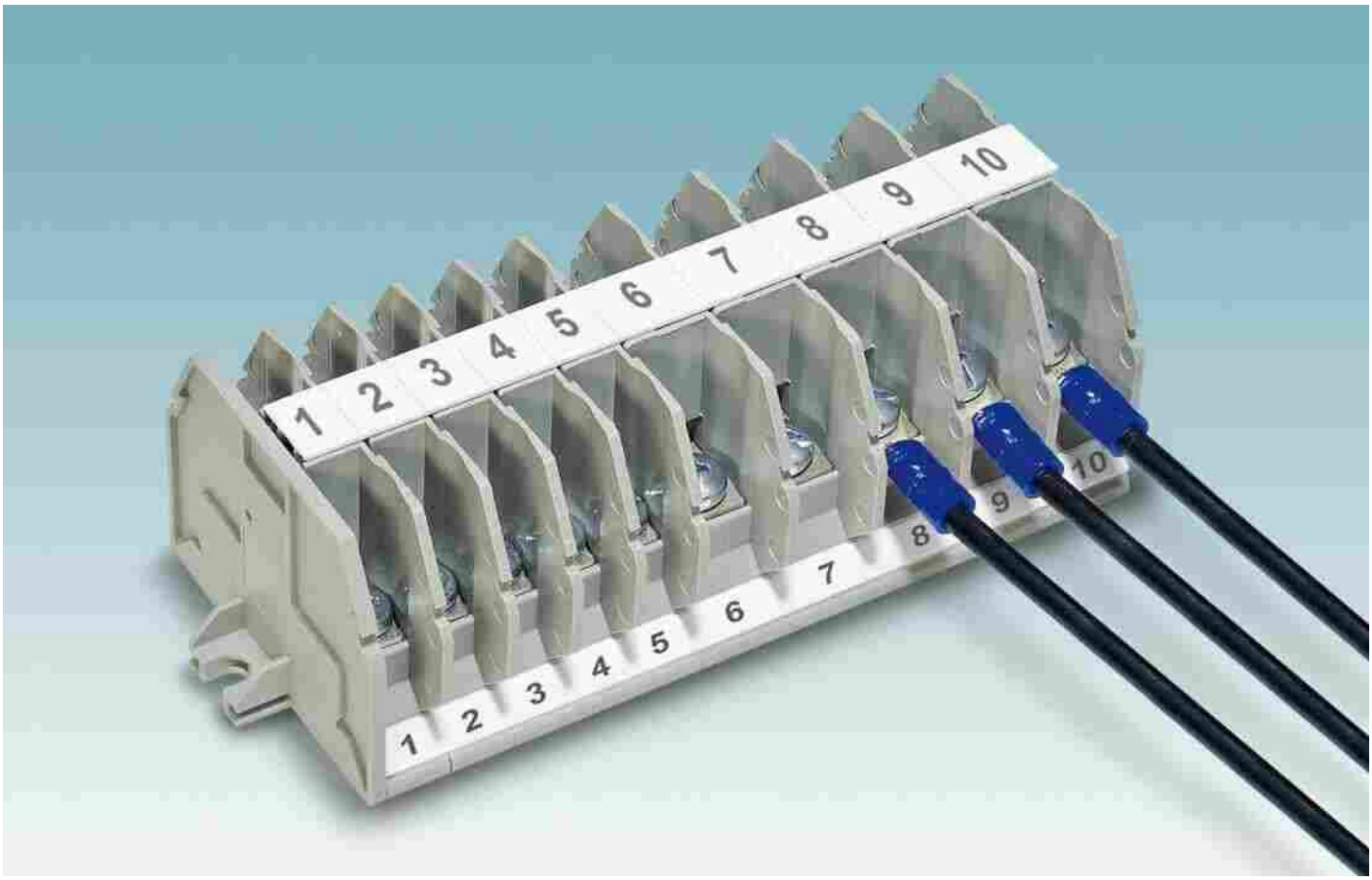
Type	Order No.	Pcs./Pkt.
OTTAD 6/SB-P/P	1033182	50

Accessories

D-OTTA/RBO-SB		3001355	50
EB 2-OTTA 6	36 A	0790608	10
EB 3-OTTA 6	36 A	3026036	10
EB 4-OTTA 6	36 A	3026049	10
EB 5-OTTA 6	36 A	3026050	10
EB 7-OTTA 6	36 A	3026052	10
EB 10- OTTA 6	36 A	0790420	10
USBR 2-11		3001356	50
SZS 1,0X6,5 VDE		1205079	10

ZB 10 (see Catalog 3)

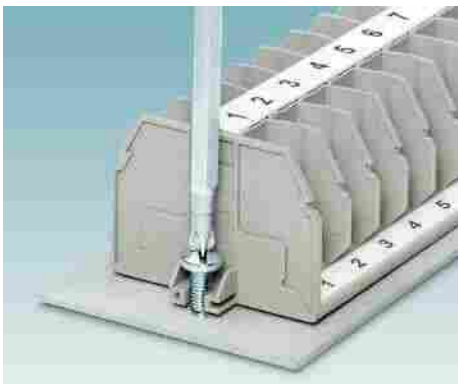
RSC bolt connection terminal blocks



Your web code: #1401

Extensive program

The RBO product range offers a suitable compact terminal block with bolt connection from M5 to M16 for every conductor connection from 0.5 - 300 mm²



Flexible assembly

The bolt connection terminal blocks offer two mounting options:

– Can be snapped onto the conventional EN DIN rails
– Direct mounting on mounting plates

Modular shock protection

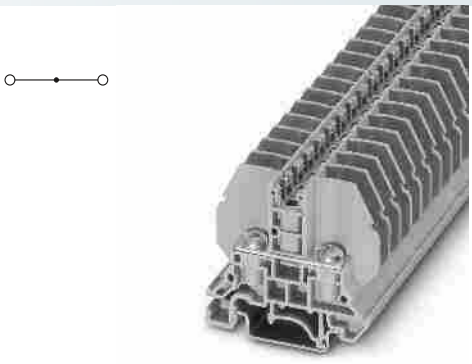
Using the extensive range of accessories, modular shock protection can be implemented easily and in accordance with application requirements.

RSC ... screw terminal blocks, for M4 and M5 ring and fork-type cable lugs

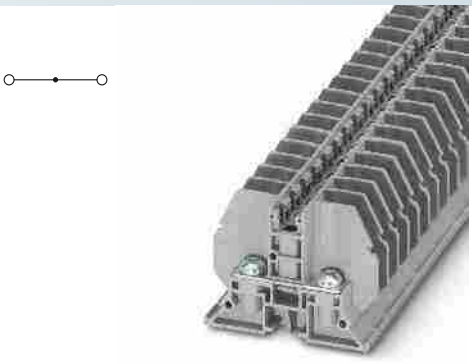
- Compact screw connection of ring and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- The isolator bridge bar supports switchable cross connections; the bridge screw therefore has the function of a live contact

Notes:

[1]) Rated voltage for 630 V open disconnect point



4 (6) mm², 32 A, feed-through terminal block



4 (6) mm², 32 A, feed-through terminal block, for direct mounting

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**9**	**53.3**	**47.1**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**9**	**53.3**	**52.1**	
Dimensions		Width	Length	Height	
	[mm]	**9**	**53.3**	**-**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**800**	**0.1 - 6**	**-**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	26 - 10	-	-	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.1 - 6			
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 8			
Connection capacity, DIN 46237					
Cable lugs DIN 46237	[mm²]	0.5 - 2.5			
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 8			
Color code	red	1.00 mm²			
	blue	2.50 mm²			
	yellow				
General data					
Bolt thread		M4			
Tightening torque	[Nm]	1.2 - 1.4			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Bolt connection terminal, for mounting on NS 32... or NS 35...		gray	**RSC 4**		3058127	50
Bolt connection/flange terminal block, for direct mounting		gray				
Block, 4-pos.		gray				
Block, 6-pos.		gray				
Block, 8-pos.		gray				
Block, 12-pos.		gray				

Accessories

Cover, width: 2.2 mm		gray	**D-RSC 5**		3058020	50
Fixed bridge, isolated	10	silver	**FB 10-9**	32 A	3059113	10
Isolator bridge bar, can be separated, with 10 screws	10	silver	**FB 10-9 ISO**	24 A	3059650	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		2770215	50
Cover profile, supply length 1 m		transparent	**AP RSC**		3058017	10
Screwdriver			**SZS 1,0X6,5 VDE**		1205079	10
			SZK PH2 VDE		1205163	10
Center groove labeling			**ZB 9 (see Catalog 3)**			
Lateral groove labeling			**ZBF 9 (see Catalog 3)**			

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**9**	**53.3**	**-**	
Dimensions		Width	Length	Height NS 32	
	[mm]	**9**	**53.3**	**-**	
Dimensions		Width	Length	Height	
	[mm]	**9**	**53.3**	**37**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**800[1])**	**0.1 - 6**	**-**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800[1])	600	-	-
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	-	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	26 - 10	-	-	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.1 - 6			
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 8			
Connection capacity, DIN 46237					
Cable lugs DIN 46237	[mm²]	0.5 - 2.5			
Connection bolt / hole diameter / width	[mm]	4 / 4.3 / 8			
Color code	red	1.00 mm²			
	blue	2.50 mm²			
	yellow				
General data					
Bolt thread		M4			
Tightening torque	[Nm]	1.2 - 1.4			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
RSC 4-F		3058130	50
RSC 4-F/4		3059171	1
RSC 4-F/6		3059184	1
RSC 4-F/8		3059197	1
RSC 4-F/12		3059207	1

Accessories

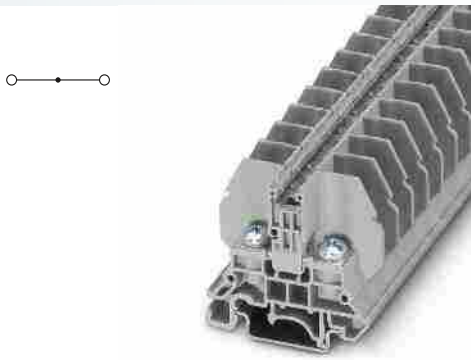
D-RSC 5-F		3059647	50
FB 10-9	32 A	3059113	10
FB 10-9 ISO	24 A	3059650	10
TS-KK 3		2770215	50
AP RSC		3058017	10
SZS 1,0X6,5 VDE		1205079	10
SZK PH2 VDE		1205163	10
ZB 9 (see Catalog 3)			
ZBF 9 (see Catalog 3)			

RSC ... screw terminal blocks, for M4 and M5 ring and fork-type cable lugs

- Compact screw connection of ring and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- The isolator bridge bar supports switchable cross connections; the bridge screw therefore has the function of a live contact
- Mounting on standard DIN rails or directly in control boxes
- Cover profile that can be snapped directly onto the terminal blocks provides touch-proof protection
- Large-surface, seamless external and center labeling
- Screw nuts and current bars are latched in the insulating housing and cannot be removed

Notes:

[1]) 57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks



10 (10) mm², 57 A, feed-through terminal block

Technical data

Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		13	**53.3**	**47.1**
Dimensions				
	[mm]	Width	Length	Height NS 32
		13	**53.3**	**52.1**
Dimensions				
	[mm]	Width	Length	Height
		13	**53.3**	**-**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		57	**800**	**0.1 - 10** / **-**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	800	600	-	-
Nominal current / cross section	[A] / [mm²]	57 / 10	45 / -	-	-
Rated cross section	[mm²]	10	-	-	-
Cross section range	AWG	26 - 8	-	-	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.1 - 10			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Connection capacity, DIN 46237					
Cable lugs DIN 46237	[mm²]	0.5 - 6			
Connection bolt / hole diameter / width	[mm]	5 / 5.3 / 10			
Color code	red	1.00 mm²			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Bolt thread		M5			
Tightening torque	[Nm]	2 - 2.2			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Bolt connection terminal, for mounting on NS 35...		gray	**RSC 5**		3058143	50
Bolt connection/flange terminal block, for direct mounting		gray				
Block, 4-pos.		gray				
Block, 6-pos.		gray				
Block, 8-pos.		gray				
Block, 12-pos.		gray				

Accessories

Cover, width: 2.2 mm		gray	**D-RSC 5**		3058020	50
Fixed bridge, isolated	10	silver	**FB 10-13**	57 A[1])	3059126	10
Isolator bridge bar, can be separated, with 10 screws	10	silver	**FB 10-13 ISO**	24 A	3059663	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		2770215	50
Cover profile, supply length 1 m		transparent	**AP RSC**		3058017	10
Screwdriver			**SZS 1,0X6,5 VDE**		1205079	10
			SZK PH2 VDE		1205163	10
Center groove labeling			**ZB 13 (see Catalog 3)**			
Lateral groove labeling			**ZBF 13 (see Catalog 3)**			

10 (10) mm², 57 A, feed-through terminal block, for direct mounting

Technical data

Width	Length	Height NS 35/7,5	
13	**53.3**	**-**	
Width	Length	Height NS 32	
13	**53.3**	**-**	
Width	Length	Height	
13	**53.3**	**37**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
57	**800**	**0.1 - 10**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	-	-
57 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10			
5 / 5.3 / 10			
0.5 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
M5			
2 - 2.2			
PA			
V0			

Ordering data

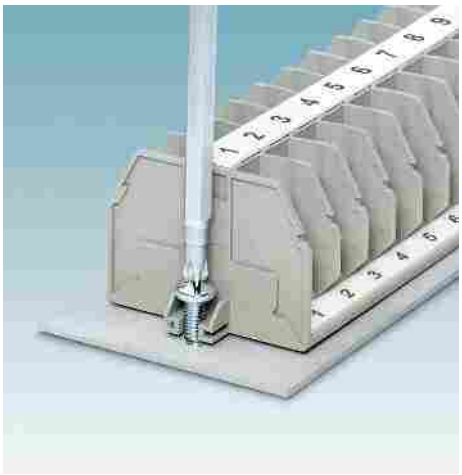
Type	I_{max}	Order No.	Pcs./Pkt.
RSC 5-F		3058156	50
RSC 5-F/4		3059210	1
RSC 5-F/6		3059223	1
RSC 5-F/8		3059236	1
RSC 5-F/12		3059249	1

Accessories

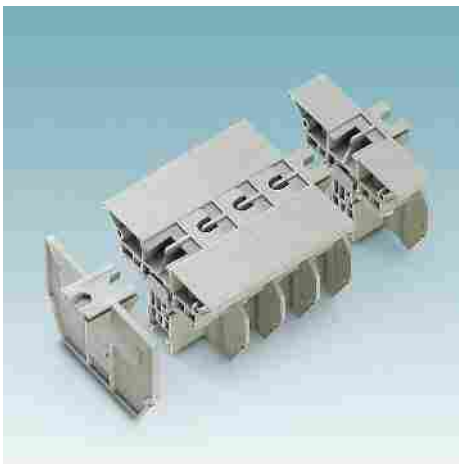
D-RSC 5-F		3059647	50
FB 10-13	57 A[1])	3059126	10
FB 10-13 ISO	24 A	3059663	10
TS-KK 3		2770215	50
AP RSC		3058017	10
SZS 1,0X6,5 VDE		1205079	10
SZK PH2 VDE		1205163	10

ZB 13 (see Catalog 3)
ZBF 13 (see Catalog 3)

Screw terminal blocks RSC 6 ..., M6 and measuring transducer disconnect terminal blocks RSC 5-T ..., M5



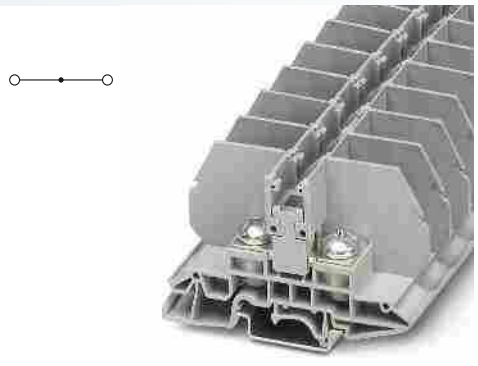
- Flange terminal blocks for direct mounting in control boxes
- Compact screw connection of ring and fork-type cable lugs
- Bridge shaft for potential distribution using standard screw bridges
- The isolator bridge bar supports switchable cross connections; the bridge screw therefore has the function of a live contact
- Cover profile that can be snapped directly onto the terminal blocks provides touch-proof protection
- Large-surface, seamless external and center labeling
- Screw nuts and current bars are latched in the insulating housing and cannot be removed
- Easy grouping of flange terminal blocks, see figure below



Notes:

[1]) 57 A for continuous bridging, 41 A for bridging between non-adjacent terminal blocks

[2]) Rated voltage for 630 V open disconnect point



35 (35) mm², 125 A, feed-through terminal block

Technical data

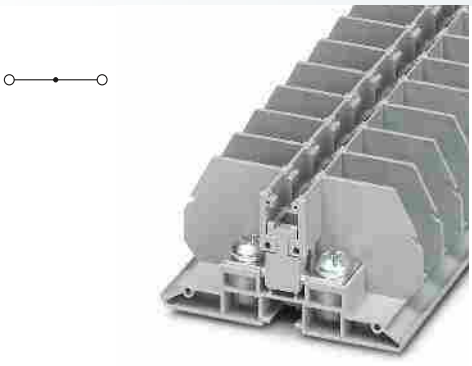
Dimensions				
	Width	Length	Height NS 35/7,5	
	[mm]	**17**	**80.8**	**49.8**
Dimensions				
	Width	Length	Height NS 32	
	[mm]	**17**	**80.8**	**54.8**
Dimensions				
	Width	Length	Height	
	[mm]	**17**	**80.8**	**-**
Maximum electrical data				
	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	125	**800**	**2.5 - 35**	**-**
Rated data	IEC 60947-7-1			
	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V] 800	600	600	-
Nominal current / cross section	[A] / [mm²] 125 / 35	115 / -	115 / -	-
Rated cross section	[mm²] 35	-	-	-
Cross section range	AWG 12 - 2	-	12-2	-
Connection capacity, DIN 46234				
Cable lugs, DIN 46234	[mm²] 6 - 35			
Connection bolt / hole diameter / width	[mm] 6 / 6.5 / 15			
Connection capacity, DIN 46237				
Cable lugs DIN 46237	[mm²] 2.5 - 6			
Connection bolt / hole diameter / width	[mm] 6 / 6.5 / 11			
Color code	red			
	blue 2.50 mm²			
	yellow 6.00 mm²			
General data				
Disconnect slide: Thread / torque	- / [Nm] - / -			
Bolt thread	M6			
Tightening torque	[Nm] 3.2 - 3.7			
Insulating material	PA			
Flammability rating in accordance with UL 94	V0			

Ordering data

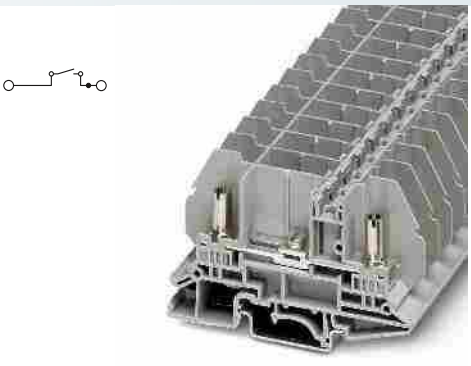
Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Bolt connection terminal, for mounting on NS 32... or NS 35...		gray	**RSC 6**		3075870	40
Bolt connection/flange terminal block, for direct mounting		gray				
Test disconnect terminal block, for mounting on NS 35 and NS 32		gray				
Test disconnect terminal block, with flange, for direct mounting		gray				

Accessories

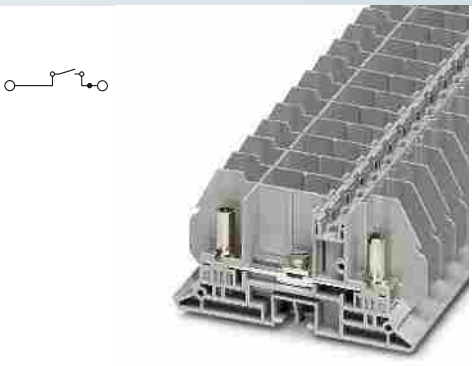
Cover, width: 2.2 mm		gray	**D-RSC 6**		3213098	50
Fixed bridge, isolated	10	silver	**FB 10-17**	57 A	3075951	10
Isolator bridge bar, can be separated, with 10 screws	10	silver	**FB 10-17 ISO**	57 A	3213085	10
Separating disk, for separation of neighboring bridges, can be fitted later, no loss of pitch		gray	**TS-KK 3**		2770215	50
Cover profile, supply length 1 m		transparent	**AP RSC-T**		3059139	10
Screwdriver						
Center groove labeling			**ZB 17 (see Catalog 3)**			
Lateral groove labeling			**ZBF 17 (see Catalog 3)**			



35 (35) mm², 125 A, feed-through terminal block, for direct mounting



10 (10) mm², 50 A, test disconnect terminal block



10 (10) mm², 50 A, test disconnect terminal block

EAC

Technical data

Width	Length	Height NS 35/7,5	
17	**80.8**	**-**	
Width	Length	Height NS 32	
17	**80.8**	**-**	
Width	Length	Height	
17	**80.8**	**39.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
125	**800**	**2.5 - 35**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800	600	600	-
125 / 35	115 / -	115 / -	-
35	-	-	-
12 - 2	-	12-2	-
6 - 35			
6 / 6.5 / 15			
2.5 - 6			
6 / 6.5 / 11			
2.50 mm²			
6.00 mm²			
- / -			
M6			
3.2 - 3.7			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
RSC 6-F		3075919	40

Accessories

D-RSC 6-F		3213108	50
FB 10-17	57 A	3075951	10
FB 10-17 ISO	57 A	3213085	10
TS-KK 3		2770215	50
AP RSC-T		3059139	10

ZB 17 (see Catalog 3)
ZBF 17 (see Catalog 3)

EAC

Technical data

Width	Length	Height NS 35/7,5	
13	**79.9**	**49.8**	
Width	Length	Height NS 32	
13	**79.9**	**54.8**	
Width	Length	Height	
13	**79.9**	**-**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
50	**800²)**	**0.1 - 10**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800²)	600	-	-
50 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10			
5 / 5.3 / 10			
0.5 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
M4 / 1.2 - 1.4			
M5			
2 - 2.2			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
RSC 5-T		3058172	50

Accessories

D-RSC 5-T		3058046	50
FB 10-13	57 A¹)	3059126	10
FB 10-13 ISO	24 A	3059663	10
TS-KK 3		2770215	50
AP RSC-T		3059139	10
SZG 0,9X6,5 VDE		1205134	10

ZB 13 (see Catalog 3)
ZBF 13 (see Catalog 3)

EAC

Technical data

Width	Length	Height NS 35/7,5	
13	**79.9**	**-**	
Width	Length	Height NS 32	
13	**79.9**	**-**	
Width	Length	Height	
13	**79.9**	**39.7**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
50	**800²)**	**0.1 - 10**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
800²)	600	-	-
50 / 10	45 / -	-	-
10	-	-	-
26 - 8	-	-	-
0.1 - 10			
5 / 5.3 / 10			
0.5 - 6			
5 / 5.3 / 10			
1.00 mm²			
2.50 mm²			
6.00 mm²			
M4 / 1.2 - 1.4			
M5			
2 - 2.2			
PA			
V0			

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
RSC 5-T-F		3058334	50

Accessories

D-RSC 5-T-F		3059346	50
FB 10-13	57 A¹)	3059126	10
FB 10-13 ISO	24 A	3059663	10
TS-KK 3		2770215	50
AP RSC-T		3059139	10
SZG 0,9X6,5 VDE		1205134	10

ZB 13 (see Catalog 3)
ZBF 13 (see Catalog 3)

High-current connectors UHV ...

– The high-current connectors UHV ... are available in several versions
– Versions are available with a cable lug or direct connection and there is a mixed version of both connection types
– The comprehensive range of accessories ensures safe and user-friendly wiring of conductors up to 240 mm²

Notes:

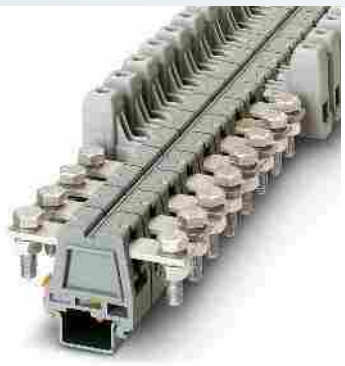
In the case of UHV 240..., the BG/F flat bracket must be mounted.

Further technical notes and connection conditions are to be found on page 682.

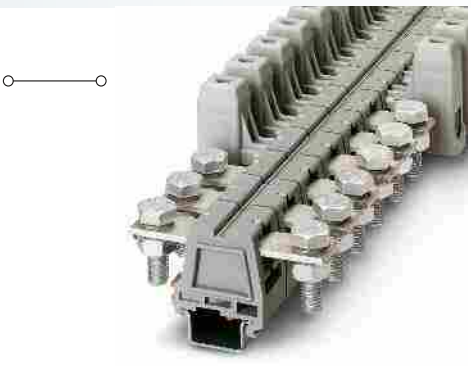
KH AS

AS AS

KH KH



25 (25) mm², 101 A, feed-through terminal block



50 (50) mm², 150 A, feed-through terminal block

Technical data

Dimensions		Width	Length	Height NS 35/15	
	[mm]	**26**	**95**	**72**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		101	**1000**	**10 - 25**	**6-4**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	600	600	-
Nominal current / cross section	[A] / [mm²]	101 / 25	85 / -	100 / -	-
Rated cross section	[mm²]	25	-	-	-
Cross section range	AWG	-	6-4	6-4	-
Terminal sleeve connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	10 - 25	10 - 25		10 - 25
2 conductors (of the same type)	[mm²]	2.5 - 10	4 - 10	2.5 - 10	-
Connection capacity, bolt connection					
Bolt diameter	[mm]	8 mm			
Hole diameter / power rail	[mm]	8.4 / 15 mm x 3 mm			
Cable lugs, DIN 46234	[mm²]	2.5 - 25			
Cable lugs DIN 46235	[mm²]	16 - 25			
General data					
Stripping length	[mm]	21			
Terminal sleeve: Thread / torque	- / [Nm]	M8 / 15 - 20			
Screw set AS: Screw thread / torque	- / [Nm]	M8 / 15 - 20			
Insulating material		PA-F			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.
High current connector, with terminal sleeve **KH** on one side, and screw set **AS** on the other side		gray	**UHV 25-KH/AS**	2130101	10
High current connector, screw set **AS** on both sides, for rail or cable lug connection		gray	**UHV 25-AS/AS**	2130004	10
High current connector, with terminal sleeves **KH** on both sides, for direct cable connection		gray	**UHV 25-KH/KH**	2130156	10

Accessories

Covering hood, as retrofit snap-on shock protection for cable lug connection		gray	**UHV 25-AH**	2130431	10
Connection rail, for cross connection	2	silver	**UHV 25-VS 2**	2130541	10
	3	silver	**UHV 25-VS 3**	2130554	10
Separating plate		gray	**UHV -TP1**	2130402	10
		gray			
Insertion profile, levels out the prism-shaped sleeve when using flat-ribbon conductors		silver			
End piece, to be fitted at both sides of the terminal strip, 7.2 mm wide		gray	**UHV -E**	2130428	10
Screwdriver			**SZS 1,0X6,5 VDE**	1205079	10
T-handle screwdriver, for Allen screws, ergonomically shaped handle, matt chrome-plated					
Center groove labeling			**UC-TM 10 (see Catalog 3)**		

Technical data

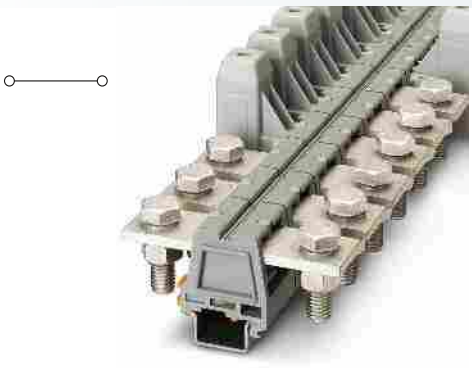
Width	Length	Height NS 35/15			
32	**104**	**78**			
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)		
150	**1000**	**25 - 50**	**6**		
IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7		
1000	600	600	-		
150 / 50	150 / -	125 / -	-		
50	-	-	-		
-	6-1/0	6-1/0	-		
Rigid	Flexible	Ferrule without/with plastic sleeve			
25 - 50	25 - 50	50	25 - 50		
10 - 16	10 - 16	10 - 16	-		
10 mm					
10.5 / 20 mm x 3 mm					
6 - 50					
16 - 50					
26					
M10 / 25 - 30					
M10 / 25 - 30					
PA-F					
V0					

Ordering data

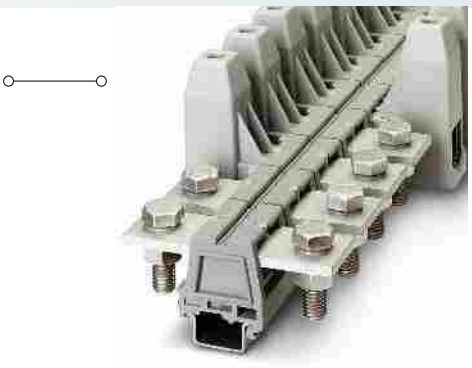
Type	Order No.	Pcs./Pkt.
UHV 50-KH/AS	2130114	10
UHV 50-AS/AS	2130017	10
UHV 50-KH/KH	2130169	10

Accessories

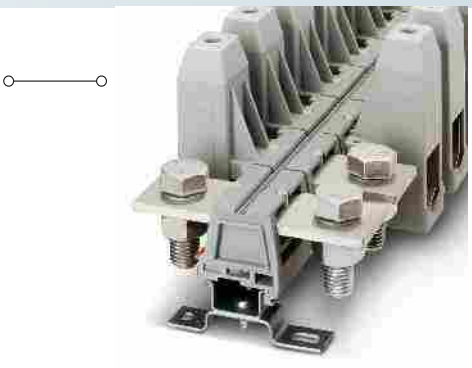
Type	Order No.	Pcs./Pkt.
UHV 50-AH	2130444	10
UHV 50-VS 2	5030897	10
UHV 50-VS 3	2130622	10
UHV -TP1	2130402	10
UKH 50 EP	3009228	10
UHV -E	2130428	10
SZS 1,2X8,0 VDE	1205082	10
UC-TM 10 (see Catalog 3)		



95 (95) mm², 232 A, feed-through terminal block



150 (150) mm², 309 A, feed-through terminal block



240 (240) mm², 415 A, feed-through terminal block

EAC

Technical data

Width	Length	Height NS 35/15	
40	**114**	**86**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
232	**1000**	**35 - 95**	**2**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	-
232 / 95	230 / -	200 / -	-
95	-	-	-
-	2-4/0	2-4/0	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
35 - 95	35 - 95	95	35 - 95
-	-	16 - 35	-
12 mm			
13 / 30 mm x 5 mm			
10 - 95			
25 - 95			
29			
M12 / 25 - 30			
M12 / 25 - 30			
PA-F			
V0			

Ordering data

Type	Order No.	Pcs./Pkt.
UHV 95-KH/AS	2130127	10
UHV 95-AS/AS	2130020	10
UHV 95-KH/KH	2130172	10

Accessories

UHV 95-AH	2130457	10
UHV 95-VS 2	2130635	10
UHV 95-VS 3	2130648	10
UHV -TP2	2130415	10
UKH 95 EP	3009231	10
UHV -E	2130428	10
SF-THEX 8-200	1212643	5

UC-TM 10 (see Catalog 3)

EAC

Technical data

Width	Length	Height NS 35/15	
46	**119**	**100**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
309	**1000**	**50 - 150**	**2-300**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	-
309 / 150	285 / -	275 / -	-
150	-	-	-
-	2-300	2-300	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
50 - 150	50 - 150	150	50 - 150
25 - 50	35 - 50	25 - 50	-
12 mm			
13 / 35 mm x 5 mm			
10 - 150			
25 - 150			
34			
M12 / 25 - 30			
M12 / 25 - 30			
PA-F			
V2			

Ordering data

Type	Order No.	Pcs./Pkt.
UHV150-KH/AS	2130130	10
UHV150-AS/AS	2130033	10
UHV150-KH/KH	2130185	10

Accessories

UHV150-AH	2130460	10
UHV150-VS 2	2130651	10
UHV150-VS 3	2130664	10
UHV -TP2	2130415	10
UKH 150/240 EP	3009244	10
UHV -E	2130428	10
SF-THEX 8-200	1212643	5

UC-TM 10 (see Catalog 3)

EAC

Technical data

Width	Length	Height NS 35/15	
53	**126.5**	**105.5**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
415	**1000**	**70 - 240**	**500**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	600	600	-
415 / 240	380 / -	400 / -	-
240	-	-	-
-	2/0-500	1/0-500	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
70 - 240	70 - 240	185	70 - 185
35 - 95	50 - 95	35 - 50	-
16 mm			
17 / 40 mm x 5 mm			
25 - 240			
50 - 240			
34			
M16 / 30 - 35			
M16 / 30 - 35			
PA-F			
V2			

Ordering data

Type	Order No.	Pcs./Pkt.
UHV240-KH/AS	2130143	5
UHV240-AS/AS	2130046	5
UHV240-KH/KH	2130198	5

Accessories

UHV240-AH	2130473	10
UHV240-VS 2	2130677	10
UHV240-VS 3	2130680	10
UHV -TP2	2130415	10
UKH 150/240 EP	3009244	10
UHV -E	2130428	10
SF-THEX 8-200	1212643	5

UC-TM 10 (see Catalog 3)

Device terminal blocks

Your web code: #1404

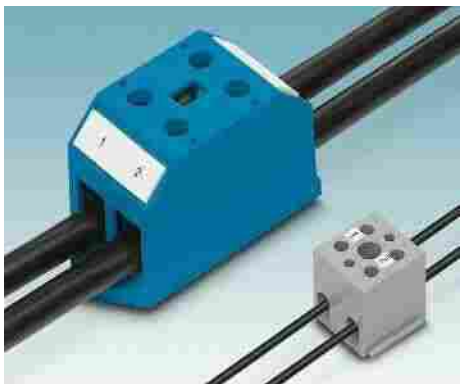
For direct rail-free use

Compact device terminal blocks fitted free of rails are mainly used in network connections for electric and electronic equipment and in small terminal boxes.

Safe conductor connection

The device terminal blocks are designed for very stringent requirements. The screw connection familiar from standard modular terminal blocks offers:

– Maintenance-free conductor connection
– Simple multiple conductor connection
– Conductor connection with or without ferrule



Extensive program

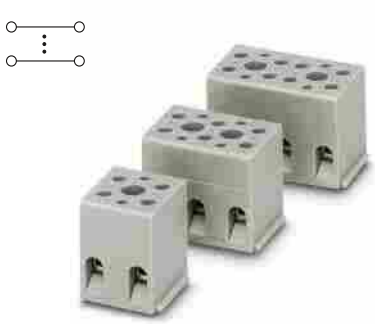
The device terminal block range is available up to a nominal cross section of 35 mm² and 125 A with various numbers of positions. The terminal blocks are clearly and easily identified with the marking material.

G 5 and G 10 device terminal blocks for direct mounting

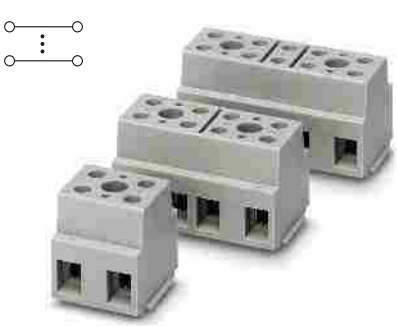
- Finger protection
- The housing ribs engage with one another below on both sides for simple attachment
- Mounting with two screws per block (apart from the 2-pos. version)

Notes:

For drawings and dimensions, visit phoenixcontact.net/products



4 (4) mm², 32 A, terminal block base, multi-position



10 (16) mm², 76 A, terminal block base, multi-position

EAC

Technical data

Dimensions		Width	Length	Height	
	[mm]	**20**	**22**	**24**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		32	**500**	**0.2 - 4**	**26-10**
Rated data		IEC 60947-7-1/IEC 60998			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-
Nominal current / cross section	[A] / [mm²]	32 / 4	30 / -	30 / -	-
Rated cross section	[mm²]	4	-	-	-
Cross section range	AWG	24 - 12	26-10	26-10	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.2 - 4	0.2 - 4	0.25 - 4	0.25 - 2.5
2 conductors (of the same type)	[mm²]	0.2 - 1.5	0.2 - 1.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1
General data					
Stripping length	[mm]	8			
Screw thread		M3			
Tightening torque	[Nm]	0.6 - 0.8			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Device terminal block, for direct mounting, 2-pos.	gray	**G 5/ 2**	2716020	50
3-pos.	gray	**G 5/ 3**	2716033	50
4-pos.	gray	**G 5/ 4**	2716046	50
5-pos.	gray			
6-pos.	gray	**G 5/ 6**	2716062	50
12-pos.	gray	**G 5/12**	2716127	50
Device terminal block, for direct mounting, bridged, 2-pos.	orange	**G 5/ 2 B**	2716305	50

Accessories

Warning label				
	yellow	**WS-G5/3**	2720032	10
	yellow	**WS-G5/4**	2716499	10
Marker pin, unprinted, made of plastic, for individual labeling with B-STIFT or X-PEN	white	**BN WH**	1401404	100
Screwdriver		**SF-SL 0,6X3,5-100 S-VDE**	1212587	10

EAC

Technical data

		Width	Length	Height	
		29	**33**	**31**	
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		76	**800**	**0.5 - 16**	**24-6**
		IEC 60947-7-1/IEC 60998			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
		800	600	600	-
		57 / 10	65 / -	65 / -	-
		10	-	-	-
		20 - 6	24-6	24-6	-
		Rigid	Flexible	Ferrule without/with plastic sleeve	
		0.5 - 16	0.5 - 10	0.5 - 16	0.5 - 16
		0.5 - 6	0.5 - 6	0.5 - 6	-
		-	-	-	0.5 - 6
		12			
		M4			
		1.5 - 1.8			
		PA			
		V2			

Ordering data

Type	Order No.	Pcs./Pkt.
G 10/ 2	2716703	10
G 10/ 3	2716716	10
G 10/ 4	2716729	10
G 10/ 5	2716732	10

Accessories

BN WH	1401404	100
SZS 1,0X4,0 VDE	1205066	10

Device terminal blocks for direct mounting GE 35...

– Finger protection
– Mounting with two screws per block
– Large-surface marking options on terminal points

35 (35) mm², 125 A, terminal block base, 2-pos.

Technical data

Dimensions				
	[mm]	Width	Length	Height
		34.8	**83.7**	**44.9**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		125	**630**	**0.75 - 35** / **-**
Rated data		IEC 60947-7-1/IEC 60998		
		IEC	UL / CUL	CSA / IEC/EN 60079-7
Rated voltage	[V]	630	-	- / -
Nominal current / cross section	[A] / [mm²]	125 / 35	-	- / -
Rated cross section	[mm²]	35	-	- / -
Cross section range	AWG	18 - 2	-	- / -
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	0.75 - 35	0.75 - 35	0.75 - 35 / 0.75 - 35
2 conductors (of the same type)	[mm²]	0.75 - 10	0.75 - 10	0.75 - 10 / -
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	- / 0.75 - 6
General data				
Stripping length	[mm]	16		
Screw thread		M6		
Tightening torque	[Nm]	3.5 - 4		
Insulating material		PA		
Flammability rating in accordance with UL 94		V2		

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Device terminal block, for direct mounting, 2-pos.	blue	**GE 35/2 BU**	3071078	25
Device terminal block, for direct mounting, bridged, 2-pos.	blue			

Accessories

Screwdriver	**SZS 1,0X4,0 VDE**	1205066	10
Lateral groove labeling	**UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)**		

35 (35) mm², 125 A, terminal block base, 2-pos., internally connected

Technical data

Width	Length	Height	
34.8	**83.7**	**44.9**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
125	**630**	**0.75 - 35**	**-**

IEC 60947-7-1/IEC 60998

IEC	UL / CUL	CSA	IEC/ EN 60079-7
630	-	-	-
125 / 35	-	-	-
35	-	-	-
18 - 2	-	-	-

Rigid	Flexible	Ferrule without/with plastic sleeve	
0.75 - 35	0.75 - 35	0.75 - 35	0.75 - 35
0.75 - 10	0.75 - 10	0.75 - 10	-
-	-	-	0.75 - 6

16	
M6	
3.5 - 4	
PA	
V2	

Ordering data

Type	Order No.	Pcs./Pkt.
GE 35/2-B BU	**2701570**	25

Accessories

SZS 1,0X4,0 VDE	**1205066**	10
UC-TM 12, UCT-TM 12 or ZB 12 (see Catalog 3)		

UDB ... trunk line branch terminal blocks

25 (25) mm², 101 A, trunk line branch terminal block, 2x16 mm² feeders

- The branch terminal blocks from the UDB ... series are suitable for the simple voltage pick-off of main supply cables up to 35 mm²
- The UDB ... blocks are used in counter and marshalling cabinets
- They meet the requirements of DIN VDE 0603-2/EN 60998-1
- The touch-proof blocks can be snapped together in a modular fashion depending on the application and attached to NS 35 DIN rails in accordance with EN 60715
- Available in two terminal block versions up to 25 mm² or up to 35 mm²
- Available in the five current conductor colors, e.g., for three-phase cables

Technical data

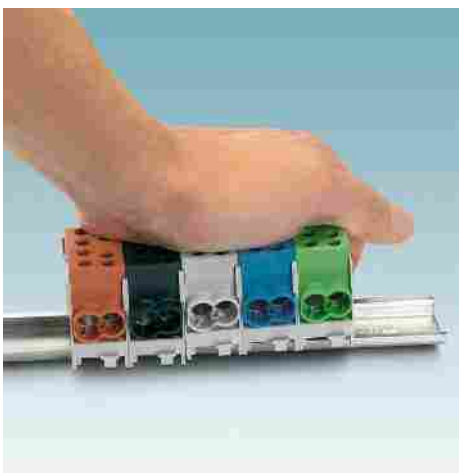
Dimensions				
	[mm]	Width	Length	Height NS 35/7,5
		23	**46**	**42**
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²] / AWG (UL)
		101	**400**	**1.5 - 25** / **-**
Rated data		IEC 60998-1 IEC	UL	CSA / IEC/EN 60079-7
Rated voltage	[V]	400	-	- / -
Nominal current / cross section	[A] / [mm²]	101 / 25	- / -	- / -
Rated cross section	[mm²]	25	-	- / -
Cross section range	AWG	8 - 2	-	- / -
Supply connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	1.5 - 25	10 - 25	1.5 - 16 / 1.5 - 10
Branch connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve
1 conductor	[mm²]	1.5 - 16	-	1.5 - 10 / 1.5 - 6
General data				
Stripping length	[mm]	16		
Insulating material		PA		
Flammability rating in accordance with UL 94		V0		

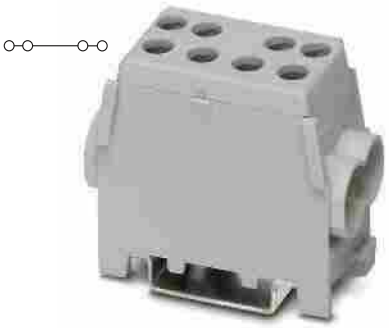
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Terminal block, for mounting on NS 35...	gray	**UDB 2X25/16 GY**	3071355	5
	black	**UDB 2X25/16 BK**	3071356	5
	brown	**UDB 2X25/16 BN**	3071357	5
	blue	**UDB 2X25/16 BU**	3071358	5
	green	**UDB 2X25/16 GN**	3071359	5

Accessories

Screwdriver	**SF-PZSL 1-80 S-VDE**	1212699	10
Marking	0815677 **EML (15X9)R**		





25 (35) mm², 125 A, trunk line branch terminal block, 2x25 mm² outlets

EAC

Technical data

Width	Length	Height NS 35/7,5	
27	**55**	**46**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
125	**400**	**10 - 35**	**-**
IEC 60998-1			
IEC	UL	CSA	IEC/ EN 60079-7
400	-	-	-
125 / 35	- / -	- / -	-
35	-	-	-
8 - 2	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
10 - 35	10 - 25	10 - 25	10 - 16
Rigid	Flexible	Ferrule without/with plastic sleeve	
1.5 - 25	-	1.5 - 16	1.5 - 10
25			
PA			
V0			

Ordering data

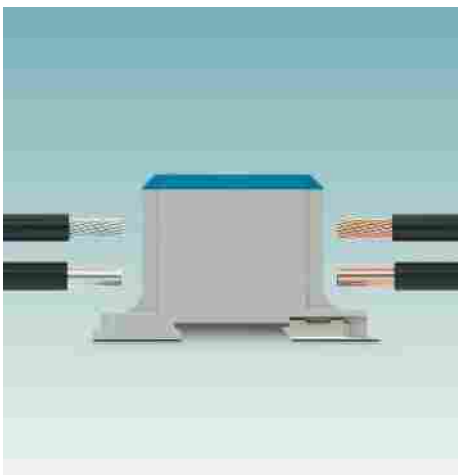
Type	Order No.	Pcs./Pkt.
UDB 2X35/25 GY	3071350	5
UDB 2X35/25 BK	3071351	5
UDB 2X35/25 BN	3071352	5
UDB 2X35/25 BU	3071353	5
UDB 2X35/25 GN	3071354	5

Accessories

SF-PZSL 2-100 S-VDE	1212700	10
0815677 **EML (15X9)R**		

UBAL universal terminal blocks for aluminum conductors

The universal UBAL terminal blocks are suitable for the connection of aluminum and copper wire. Four cross-section sizes enable the connection of aluminum conductors from 6 to 240 mm² and copper wires from 2.5 to 240 mm².

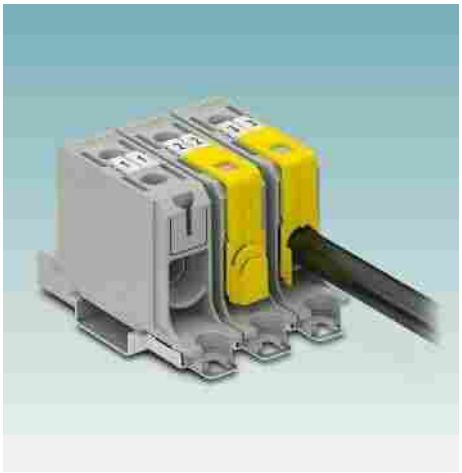


The metal parts of the universal terminal blocks are produced from high-quality aluminum alloys. A lead-free tin coating on the clamping parts and screws enable the connection of aluminum and copper wires. The terminal blocks are suitable for both rigid and multi-stranded conductors.

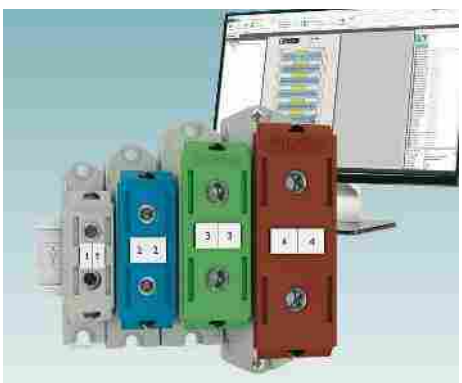
The contact chambers are coated with an antioxidant, simplifying the aluminum conductor mounting process. Another advantage is that the screws do not need to be tightened, meaning that the terminal blocks are maintenance-free.

The universal terminal blocks are certified for the connection of aluminum conductors in accordance with EN 61238-1 (Class A). Furthermore, they are approved in accordance with IEC 60947-7-1 and are suited in particular for photovoltaic applications. Therefore, the terminal blocks are tested for an operating temperature of 90°C.

UBAL terminal blocks for aluminum conductors



- Touch-protection caps cover the clamping space and the screw opening of the universal terminal blocks. The inadvertent touching of metal parts or opening of the terminal points is thus prevented
- A large area of the universal terminal blocks can be marked, thus enabling clear wiring
- PROJECT complete combines CAE software with the planning and marking processes. Thus, markings can be created simply and conveniently with the printing system from Phoenix Contact



Notes:

[1]) The maximum electrical data relates to the use of copper wires here.
[2]) The values for aluminum conductors relate to multi-stranded conductors in accordance with EN 60228.

new

145 A, feed-through terminal block

Technical data

Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**19.2**	**82.5**	**51**	
Dimensions		Width	Length	Height NS 35/15	
	[mm]	**19.2**	**82.5**	**58.5**	
Dimensions		Width	Length	Height	
	[mm]	**19.2**	**82.5**	**51**	
Maximum electrical data [1])		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		145	**1000**	**6 - 50**	**-**
Al conductor rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	145 / 50	-	-	-
Rated cross section	[mm²]	50	-	-	-
Cross section range	AWG	6 - 1/0	-	-	-
Cu wire rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	160 / 50	-	-	-
Rated cross section	[mm²]	50	-	-	-
Cross section range	AWG	6 - 1/0	-	-	-
Al conductor connection capacity [2])		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	6 - 35	6 - 50	-	-
2 conductors (of the same type)	[mm²]	-	-	-	-
Cu wire connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	2.5 - 16	2.5 - 35	2.5 - 35	-
2 conductors (of the same type)	[mm²]	-	1.5 - 16	-	-
General data					
Stripping length	[mm]	23			
Screw thread		M6			
Tightening torque		4 Nm (2,5 ... 4 mm²), 12 Nm (6 ... 50 mm²)			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Terminal block	gray	**UBAL 50**	1086465	20
	blue	**UBAL 50 BU**	1086466	20
	green	**UBAL 50 GN**	1086468	20
	brown	**UBAL 50 BN**	1086470	20
	black	**UBAL 50 BK**	1086469	20
	yellow	**UBAL 50 FE**	1086471	20

Accessories

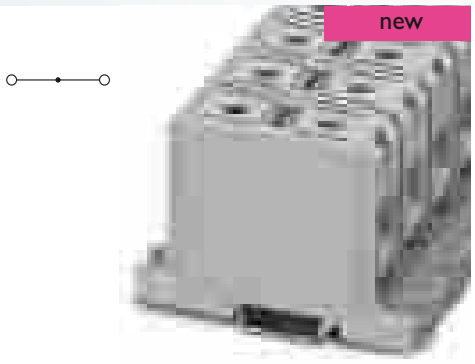
Cover, for conductor shaft	yellow	**CEC UBAL 50**	1086473	25
Center groove labeling		**UCT-TM 5 or ZB 5 (see Catalog 3)**		

UBAL terminal blocks for aluminum conductors

– The universal terminal blocks are mounted conveniently on the 35 mm DIN rail or directly on the mounting plate
– Allen screws reliably transfer the various torques for aluminum and copper wires

Notes:

[1]) The maximum electrical data relates to the use of copper wires here.
[2]) The values for aluminum conductors relate to multi-stranded conductors in accordance with EN 60228.



245 A, feed-through terminal block

Technical data

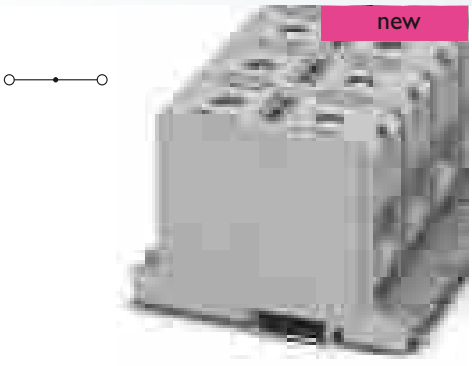
Dimensions		Width	Length	Height NS 35/7,5	
	[mm]	**25.1**	**93.6**	**58**	
Dimensions		Width	Length	Height NS 35/15	
	[mm]	**25.1**	**93.6**	**65.5**	
Dimensions		Width	Length	Height	
	[mm]	**25.1**	**93.6**	**58**	
Maximum electrical data [1])		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		245	**1000**	**16 - 95**	**-**
		IEC 60947-7-1			
Al conductor rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	220 / 95	-	-	-
Rated cross section	[mm²]	95	-	-	-
Cross section range	AWG	4 - 4/0	-	-	-
Cu wire rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	1000	-	-	-
Nominal current / cross section	[A] / [mm²]	245 / 95	-	-	-
Rated cross section	[mm²]	95	-	-	-
Cross section range	AWG	4 - 4/0	-	-	-
Al conductor connection capacity [2])		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	16 - 35	16 - 95	-	-
2 conductors (of the same type)	[mm²]	-	-	-	-
Cu wire connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	- 95	16 - 70	16 - 70	-
2 conductors (of the same type)	[mm²]	-	16 - 35	-	-
General data					
Stripping length	[mm]	27			
Screw thread		M8			
Tightening torque		20 Nm			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

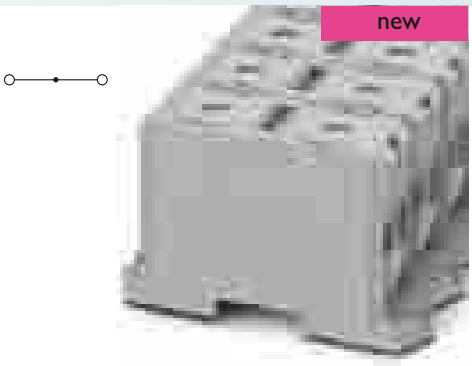
Description	Color	Type	Order No.	Pcs./Pkt.
Terminal block	gray	**UBAL 95**	1086475	10
	blue	**UBAL 95 BU**	1086476	10
	green	**UBAL 95 GN**	1086477	10
	brown	**UBAL 95 BN**	1086479	10
	black	**UBAL 95 BK**	1086478	10
	yellow	**UBAL 95 FE**	1086480	10

Accessories

Cover, for conductor shaft	yellow	**CEC UBAL 50**	1086473	25
Center groove labeling		**UCT-TM 8 or ZB 8 (see Catalog 3)**		



320 A, feed-through terminal block



425 A, feed-through terminal block

Technical data

Width	Length	Height NS 35/7,5	
30.5	**105.5**	**67**	
Width	Length	Height NS 35/15	
30.5	**105.5**	**74.5**	
Width	Length	Height	
30.5	**105.5**	**67**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
320	**1000**	**35 - 150**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
290 / 150	-	-	-
150	-	-	-
300 - 2	-	-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
320 / 150	-	-	-
150	-	-	-
300 - 2	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	35 - 150	-	-
-	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	35 - 120	35 - 120	-
-	35 - 50	-	-

30
M10
20 Nm (35 ... 50 mm²), 30 Nm (120 ... 150 mm²)

PA
V0

Technical data

Width	Length	Height NS 35/7,5	
37.5	**130**	**-**	
Width	Length	Height NS 35/15	
37.5	**130**	**-**	
Width	Length	Height	
37.5	**130**	**70**	
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
425	**1000**	**35 - 240**	**-**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
380 / 240	-	-	-
240	-	-	-
500 - 3/0	-	-	-
IEC	UL / CUL	CSA	IEC/ EN 60079-7
1000	-	-	-
425 / 240	-	-	-
240	-	-	-
500 - 3/0	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	35 - 240	-	-
-	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	35 - 185	35 - 185	-
-	35 - 70	-	-

43
M12
12 Nm (35 ... 70 mm²), 45 Nm (95 ... 240 mm²)

PA
V0

Ordering data

Type	Order No.	Pcs./Pkt.
UBAL 150	1086498	10
UBAL 150 BU	1086499	10
UBAL 150 GN	1086501	10
UBAL 150 BN	1086503	10
UBAL 150 BK	1086502	10
UBAL 150 FE	1086504	10

Accessories

CEC UBAL 150	1086474	25
UCT-TM 10 or ZB 10 (see Catalog 3)		

Ordering data

Type	Order No.	Pcs./Pkt.
UBAL 240	1086505	5
UBAL 240 BU	1086506	5
UBAL 240 GN	1086507	5
UBAL 240 BN	1086509	5
UBAL 240 BK	1086508	5
UBAL 240 FE	1086510	5

Accessories

CEC UBAL 240	1090037	25
UCT-TM 12 or ZB 12 (see Catalog 3)		

Test sockets PSBJ ...

– The test sockets are tailored to the special applications encountered in the energy supply industry
– The test socket PSBJ... is used in place of the normal bridge screw and ensures the voltage tap on a bridged group of terminal blocks

4 mm test socket, for URTK/S test disconnect terminal blocks

4 mm test socket, for UK terminal blocks with M4 bridge thread

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Test socket, insulated, for the URTK/S terminal block, M3.5 thread							
	transparent	**PSBJ 3,5/18/6 FARBLOS**	0311391	10			
	white	**PSBJ 3,5/18/6 WH**	0311317	10			
	red	**PSBJ 3,5/18/6 RD**	0311320	10			
	blue	**PSBJ 3,5/18/6 BU**	0311333	10			
	yellow	**PSBJ 3,5/18/6 YE**	0311346	10			
	green	**PSBJ 3,5/18/6 GN**	0311359	10			
	violet	**PSBJ 3,5/18/6 VT**	0311362	10			
	gray	**PSBJ 3,5/18/6 GY**	0311375	10			
	black	**PSBJ 3,5/18/6 BK**	0311388	10			
Test socket, insulated, can be used only with FBI and ISSBI							
	silver				**PSBJ 3/13/4**	0201304	10
Test socket, insulated, for UK 6 N, UK 10 N and URTK/SP and USST 10 terminal blocks, M4 thread							
	transparent				**PSBJ 4/15/6 FARBLOS**	0303419	10
	white				**PSBJ 4/15/6 WH**	0303312	10
	red				**PSBJ 4/15/6 RD**	0303325	10
	blue				**PSBJ 4/15/6 BU**	0303354	10
	yellow				**PSBJ 4/15/6 YE**	0303367	10
	gray				**PSBJ 4/15/6 GY**	0303396	10
	black				**PSBJ 4/15/6 BK**	0303406	10
Test socket, fully isolated, for safety test plugs							
For the UK 5 N terminal block, thread M3	gray						
For the UK 6 N terminal block, thread M4	gray						
Can be used only with FBI 10-6, thread M3	gray						
Can be used only with FBI 10-8, thread M4	gray						
Test socket, insulated							
	transparent						
	red						
	blue						
	yellow						
	green						
	violet						
	black						
	gray						
	brown						
Test socket, fully insulated, touch-proof in accordance with BGV A 2, for 4 mm Ø safety measuring leads, for universal test disconnect terminal block URTK/S, M3.5 thread							
	red						
	blue						
	yellow						
	green						
	violet						
	black						

4 mm test socket, for safety test plugs, for UK terminal blocks

4 mm test socket, for SRTK 6 and URTK 6 test disconnect terminal blocks, M3 thread

4 mm test socket, for safety test plugs, for URTK/S test disconnect terminal blocks

EAC

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
PSBJ 3/52/6 GY	3048085	10
PSBJ 4/41/8 GY	3206186	10
PSBJ 3/50/6 GY	3048098	10
PSBJ 4/51/8 GY	3206173	10

Ordering data

Type	Order No.	Pcs./Pkt.
PSBJ-URTK 6 FARBLOS	3026450	10
PSBJ-URTK 6 RD	3026719	10
PSBJ-URTK 6 BU	3026434	10
PSBJ-URTK 6 YE	3026405	10
PSBJ-URTK 6 GN	3026418	10
PSBJ-URTK 6 VT	3026421	10
PSBJ-URTK 6 BK	3026447	10
PSBJ-URTK 6 GY	3026612	10
PSBJ-URTK 6 BN	3026971	10

Ordering data

Type	Order No.	Pcs./Pkt.
PSBJ-URTK/S RD	0311744	10
PSBJ-URTK/S BU	0311757	10
PSBJ-URTK/S YE	0311731	10
PSBJ-URTK/S GN	0311760	10
PSBJ-URTK/S VT	0311773	10
PSBJ-URTK/S BK	0311728	10

Test sockets PSBJ ...

– Test sockets are also available for the UGSK/S switchable slide-type terminal blocks for testing tasks with 4 mm Ø safety measuring cables

Notes:

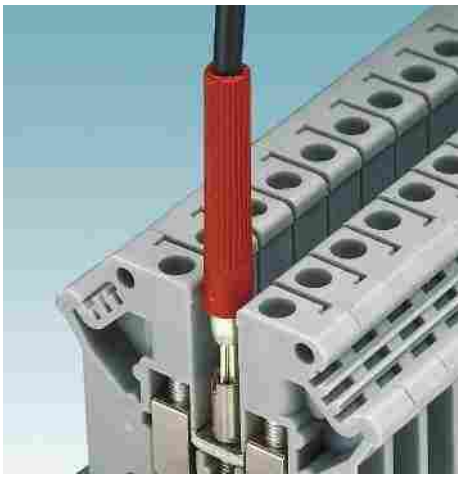
[1]) For additional test sockets, visit phoenixcontact.net/products

Description	Color	Ordering data: Type	Order No.	Pcs./Pkt.
Test socket				
	orange	**PSBJ-GSK/S-N OG**	3032890	10
	yellow	**PSBJ-GSK/S-N YE**	3032891	10
	green	**PSBJ-GSK/S-N GN**	3032892	10
	violet	**PSBJ-GSK/S-N VT**	3032893	10
	blue	**PSBJ-GSK/S-N BU**	3032894	10
Test socket, insulated[1])				
	gray			
	brown			
	black			
	red			
	orange			
	yellow			
	green			
	violet			
	blue			

Ordering data

Type	Order No.	Pcs./Pkt.
PSBJ 6-T GY	3070316	10
PSBJ 6-T BN	3070317	10
PSBJ 6-T BK	3070318	10
PSBJ 6-T RD	3070319	10
PSBJ 6-T OG	3070320	10
PSBJ 6-T YE	3070326	10
PSBJ 6-T GN	3070327	10
PSBJ 6-T VT	3070328	10
PSBJ 6-T BU	3070329	10

Test sockets PSB ...



- Test sockets PSB ... are used for a reliable test connection
- All test sockets are screwed into the bridge shaft
- With the PSB 3/10/4, the test connection is provided by the MPS miniature test plug with 2.3 mm diameter
- With the PSB 6/5/6 and PSB 4/7/6, the test plug with 4 mm diameter is used

Test sockets for UK terminal blocks

EAC

Description	Color	Ordering data		
		Type	**Order No.**	Pcs./Pkt.
Test socket				
For UK 2,5 N, UK 3 N, UK 5 N, URTK/SS terminal blocks, M3 thread	silver	**PSB 3/10/4**	0601292	10
For the UK 6 N, UK 10 N, UK 16 N terminal blocks, M4 thread	silver	**PSB 4/7/6**	0303299	10
For UK 35 terminal block, M6 thread	silver	**PSB 6/5/6**	0205290	10

Modular test plugs PS-...

- The modular test plugs PS-...2,3MM can be used to put together individual test adapters
- The test plug reliably makes contact in the bridge shaft and in all test sockets with a 2.3 mm or 4 mm diameter
- The modular test plugs PS-UK ... are simply placed on the bridge shaft of the corresponding terminal block and latched by pressing down the locking pin

2.3 mm test plugs

EAC

EAC

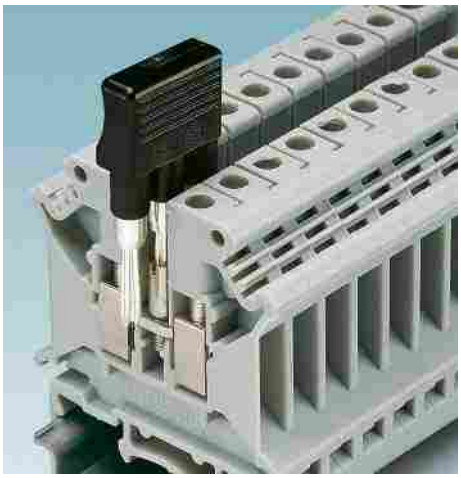
Technical data

General data		
Material	-	PA
Flammability rating in accordance with UL 94	-	V2
Temperature range [°C]	- ... -	-40 ... 115

Ordering data

Description	No. of pos.	Width	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Test plug metal part, 2.3 mm Ø	1		gray	**MPS-MT**	0201744	10			
		5 mm	white	**MPS-IH WH**	0201663	10			
Insulating sleeve, for MPS metal part		5 mm	red	**MPS-IH RD**	0201676	10			
		5 mm	blue	**MPS-IH BU**	0201689	10			
		5 mm	yellow	**MPS-IH YE**	0201692	10			
		5 mm	green	**MPS-IH GN**	0201702	10			
		5 mm	gray	**MPS-IH GY**	0201728	10			
		5 mm	black	**MPS-IH BK**	0201731	10			
Test plug, consisting of: **Metal part** for 4 mm Ø socket hole and 4 mm Ø	1		silver	**MPS-MT/ 4MM**	3048577	10			
Modular test plug housing, for MPS metal part, can be marked with ZB 5	1	5.2 mm	red	**PS-5/2,3MM RD**	3038723	10			
Modular test plug housing, for MPS metal part, can be labeled with ZBF 6	1	6.2 mm	red	**PS-6/2,3MM RD**	3038736	10			
Modular test plug housing, labeling with ZBF 7,5	1	7.5 mm	red	**PS-7,5/2,3MM RD**	3038749	10			
Modular test plug housing, labeling with ZBF 8	1	8 mm	red	**PS-8/2,3MM RD**	3048564	10			
Individual test plug, delivery: 1-pos.	1	5 mm	red				**PS-UK 2,5 B/E**	3001132	10
Modular test plug, delivery: set of 10 with connection pin Pitch 5.2 mm	1	5 mm	red				**PS-UK 2,5 B/Z-5**	3001226	1
Modular test plug, delivery: set of 10 with connection pin Pitch 6.2 mm	1	5 mm	red				**PS-UK 2,5 B/Z-6**	3001239	1
Individual double-level test plug, contacts in the upper and lower level simultaneously, delivery: 1-pos., for UTTB ...	1	7.6 mm	red				**PS-UKK/E**	3000641	10
Modular double-level test plug, contacts in the upper and lower level simultaneously, delivery: 10-pos. blocks with 2 connection pins, for UTTB 2,5	10	54.6 mm	red				**PS-UKK 3**	3000638	1
Modular double-level test plug, contacts in the upper and lower level simultaneously, delivery: 10-pos. blocks with 2 connection pins, for UTTB 4	10	64.6 mm	red				**PS-UKK 5**	3000625	1

Short-circuit plugs KSS ...



- Short-circuit plugs allow two or more neighboring terminal blocks, fitted with the test sockets PSB ... or PSBJ ..., to be easily short circuited
- The short-circuit plugs KSSI ... are suitable for use on isolated 4 mm test sockets for safety test plugs

2-, 3- and 4-pos. short-circuit plugs

Technical data

General data	
Material	Copper
Flammability rating in accordance with UL 94	V2

Ordering data

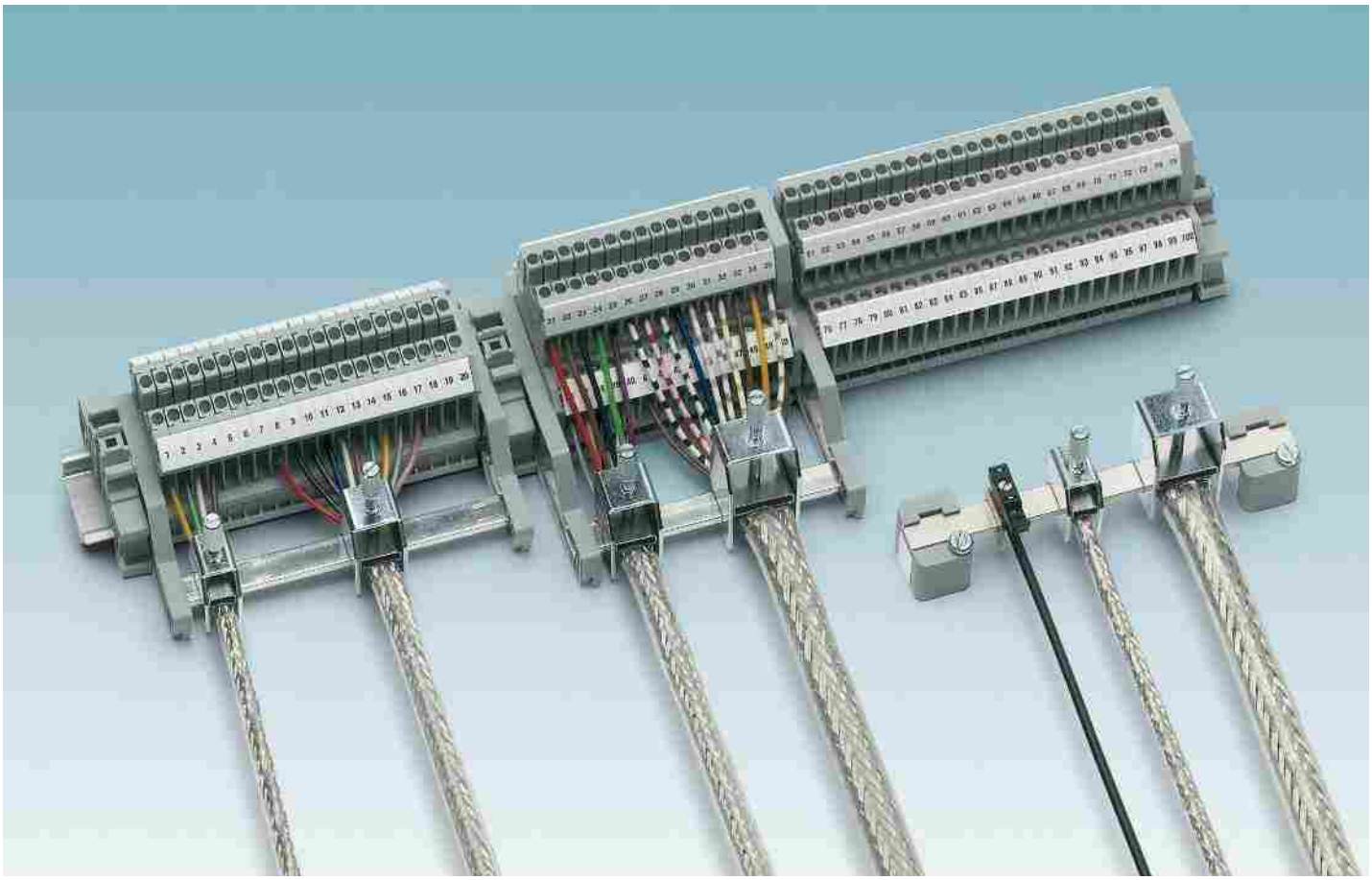
Description	No. of pos.	Color	Type	Order No.	Pcs./Pkt.
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ					
Pitch 5.2 mm	2	black	**KSS 5**	2303543	10
Pitch 6.2 mm	2	black	**KSS 6**	0301547	10
Pitch 8.2 mm	2	black	**KSS 8**	0311540	10
Pitch 10.2 mm	2	black	**KSS 10**	0310541	10
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with 6.2 mm pitch					
	3	black	**KSS 3- 6**	0309523	10
Short-circuit plug, for short circuiting neighboring terminal blocks, can only be used with PSB or PSBJ, with 8.2 mm pitch					
	4	black	**KSS 4- 8**	0309549	10
Short-circuit plug, for short circuiting neighboring terminal blocks, fully insulated					
	2	black	**KSSI 2-8**	3000722	10
	4	black	**KSSI 4-8**	3000735	10

Warning labels WS ...

- Network connection terminal blocks are reliably covered and labeled using warning labels
- This prevents accidental actuation of the terminal points
- The warning labels are secured in the bridge shafts of the UK ... modular terminal blocks using plastic screws

Warning labels for UK feed-through terminal blocks

Description	Color	Ordering data: Type	Order No.	Pcs./Pkt.
Warning label, with 2 plastic screws, pitch 5 mm				
covers 3 terminal blocks	yellow/black	**WS 3- 5**	0805357	10
covers 4 terminal blocks	yellow/black	**WS 4- 5**	0805344	10
covers 5 terminal blocks	yellow/black	**WS 5- 5**	0805331	10
Warning label, with 2 plastic screws, pitch 6 mm				
covers 3 terminal blocks	yellow/black	**WS 3- 6**	1004115	10
covers 4 terminal blocks	yellow/black	**WS 4- 6**	1004209	10
covers 5 terminal blocks	yellow/black	**WS 5- 6**	1004403	10
Warning label, with 2 plastic screws, pitch 8 mm				
covers 3 terminal blocks	yellow/black	**WS 3- 8**	1004128	10
covers 4 terminal blocks	yellow/black	**WS 4- 8**	1004212	10
covers 5 terminal blocks	yellow/black	**WS 5- 8**	1004416	10
Warning label, with 2 plastic screws, pitch 10 mm				
covers 4 terminal blocks	yellow/black	**WS 4-10**	1004225	10
covers 5 terminal blocks	yellow/black	**WS 5-10**	1004429	10
Warning label, with 2 plastic screws, pitch 12 mm				
covers 4 terminal blocks	yellow/black	**WS 4-12**	0805328	10
covers 5 terminal blocks	yellow/black	**WS 5-12**	0805315	10
Warning label, with two plastic screws, pitch 15 mm				
covers 4 terminal blocks	orange	**WS 4-15**	1004241	10
covers 5 terminal blocks	orange	**WS 5-15**	1004445	10



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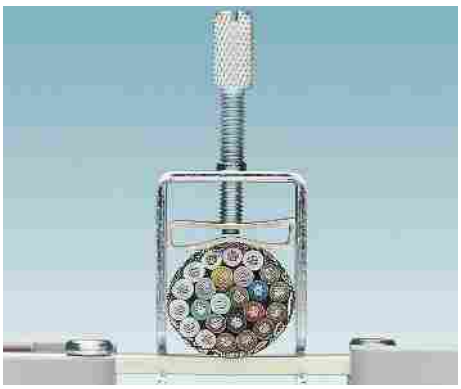
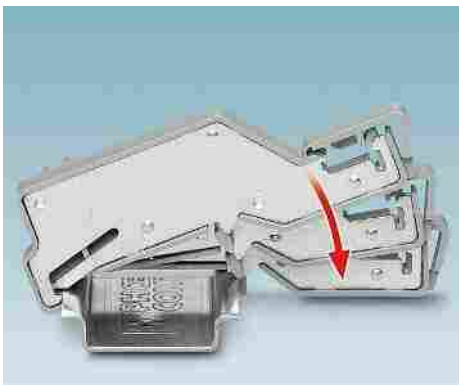


Large shield support

Shield connection terminal blocks are suitable for all standard cable shields and allow for EMC-compliant wiring through large surfaces and low-impendence and low-resistance contact transitions.

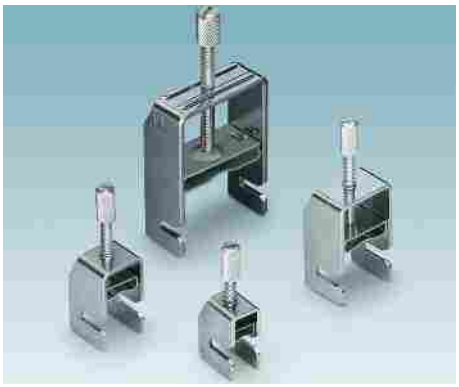
Easy to install

The shield connection clamps offer optimum wiring convenience. Only once the terminal strip has been wired is the shield connection terminal block mounted by simply pivoting it into place.

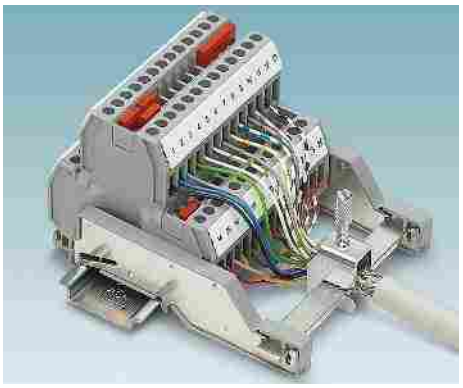


Safe contact

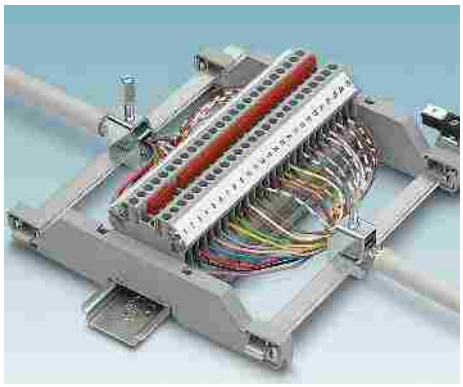
Phoenix Contact support brackets for shield connection clamps are easily snapped onto the mounting rail. The integrated contact metals allow the ground potential to be automatically connected to the busbar.



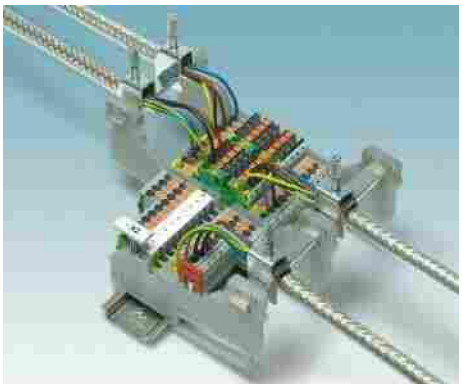
Conductors with a diameter of 2 to 35 mm can make optimum contact with the shield connection clamps from the SK series without any special tools and are available for various types of mounting.



The single-sided shield support brackets AB-SK are particularly well suited to space-saving conductor connection for terminal blocks and devices with cable entry at the side.



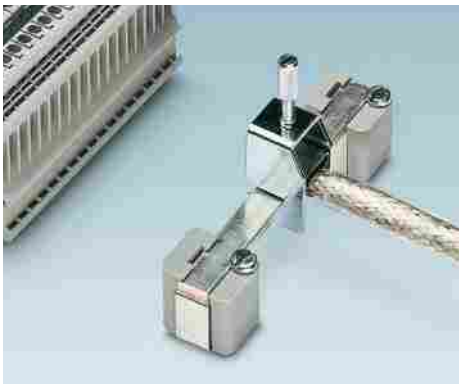
The double support bracket offers simple handling with optimum EMC properties for the two-sided support of a shielded cable. Either an isolated or grounded structure can be used.



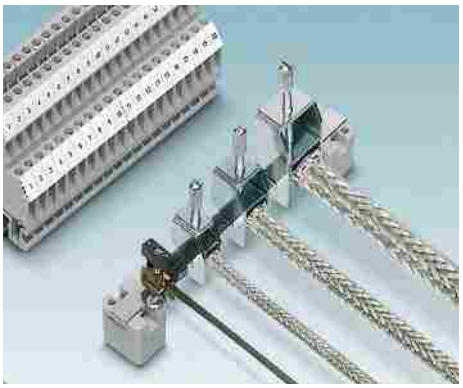
The easiest way to wire terminal blocks with a front connection is using support brackets AB-SK TOP located above the blocks. The NLS rail can be mounted in the support brackets vertically, horizontally or at a 45° angle for optimum conductor placing.

The 3 x 10 mm PEN conductor busbar can also be quickly and safely snapped into the contact zone. The ground potential is thereby automatically connected to the busbar.

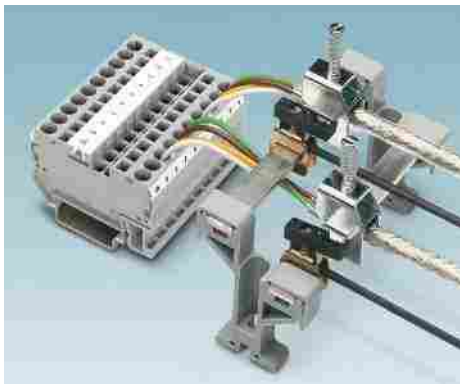
Having the same design as the SK series, shield supports with terminal blocks SK ...-D can also be realized directly on the mounting plate or back wall. The terminal blocks are simply pivoted into the two slots above the conductor.



Support brackets with a lateral metal insert for the PEN conductor busbar or T-shaped compact support brackets AB-SK/E are used to freely position the shield connection clamps on the mounting plate.



Alternatively, the shielding can also be connected to ground potential isolated from protective earth ground. An appropriate contact to the PEN conductor busbar is established using a pick-off terminal block.



The easiest way to wire terminal blocks with a front connection is using support brackets located above the blocks. This method also allows multi-level terminal blocks with short wiring paths to be connected in compliance with EMC requirements.

SK shield connection clamps

Shield connection clamps SK ...

The screw-type shield connection clamps of the SK series are characterized by:
– Simple handling
– Knurled screw
– Spring-loaded, large pressure piece
– Suitable for direct and busbar mounting

Notes:
Dimensional drawings can be found on page 605.

Shield connection clamps for busbar mounting

Shield connection clamps for direct mounting

EAC

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Shield connection clamp, for applying the shield to busbars, contact resistance < 1 m				
Ø 2-5 mm, tightening torque 0.4 Nm	silver	**SK 5**	3025338	10
Ø 3-8 mm, tightening torque 0.6 Nm	silver	**SK 8**	3025163	10
Ø 3-14 mm, tightening torque 0.8 Nm	silver	**SK 14**	3025176	10
Ø 5-20 mm, tightening torque 0.8 Nm	silver	**SK 20**	3025189	10
Ø 5 - 28 mm, tightening torque 1 Nm	silver	**SK 28**	3026997	10
Ø 20-35 mm, tightening torque 1.2 Nm	silver	**SK 35**	3026463	10
Shield connection clamp, for applying the shield directly to the conductive mounting plates, plate thickness 1 - 2 mm				
Ø 2-5 mm, tightening torque 0.4 Nm	silver			
Ø 3-8 mm, tightening torque 0.6 Nm	silver			
Ø 3-14 mm, tightening torque 0.8 Nm	silver			
Ø 5-20 mm, tightening torque 0.8 Nm	silver			
Ø 5 - 28 mm, tightening torque 1 Nm	silver			
Ø 20-35 mm, tightening torque 1.2 Nm	silver			

Accessories

PEN conductor busbar, 3 x 10 mm, 1 m long, material: Copper, tin-plated, nominal current: 140 A			
	NLS-CU 3/10 SN 1000MM	0402174	10

EAC

Ordering data

Type	Order No.	Pcs./Pkt.
SK 5-D	3025406	10
SK 8-D	3026861	10
SK 14-D	3026874	10
SK 20-D	3026887	10
SK 28-D	3027006	10
SK 35-D	3026890	10

Accessories

Shield connection clamps SKS ...

– The spring shield connection clamps SKS ... are available for cable and conductor diameters of between 3 and 20 mm
– Three different forms of mounting are possible: on NS 35 DIN rails, on busbars or directly on conductive mounting plates

Notes:

Dimensional drawings can be found on page 605.

Shield connection clamps for busbar and direct mounting

Shield connection clamps for DIN rail mounting

EAC

Description	Color	Type	Order No.	Pcs./Pkt.
Shield connection clamp, for applying the shield to busbars, contact resistance < 1 m				
Ø 3-8 mm	silver	**SKS 8**	3240210	10
Ø 3-14 mm	silver	**SKS 14**	3240211	10
Ø 5-20 mm	silver	**SKS 20**	3240212	10
Shield connection clamp, for directly applying the shield to conductive mounting plates, metal thickness 1 - 2 mm, with fastening screw M4				
Ø 3-8 mm	silver	**SKS 8-D**	3240213	10
Ø 3-14 mm	silver	**SKS 14-D**	3240214	10
Ø 5-20 mm	silver	**SKS 20-D**	3240215	10
Shield connection clamp, with screwfix, mounting on DIN rail NS 35..., for shield support on busbars				
Ø 3-8 mm	silver			
Ø 3-14 mm	silver			
Ø 5-20 mm	silver			
Shield connection clamp, with snap-on foot, mounting on DIN rail NS 35..., for shield support on busbars				
Ø 3-8 mm	silver			
Ø 3-14 mm	silver			
Ø 5-20 mm	silver			

Ordering data

Type	Order No.	Pcs./Pkt.
SKS 8-NS35	3240216	10
SKS 14-NS35	3240217	10
SKS 20-NS35	3240218	10
SKS 8-SNS35	3062786	10
SKS 14-SNS35	3062799	10
SKS 20-SNS35	3062809	10

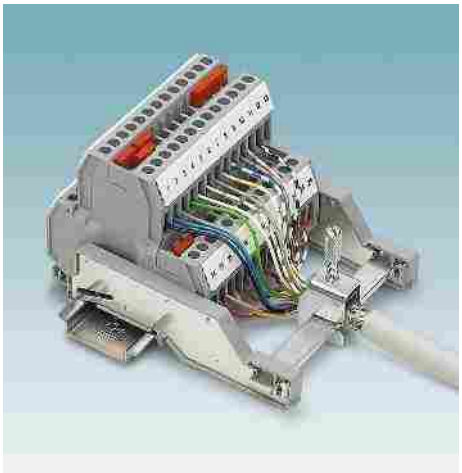
Accessories

PEN conductor busbar, 3 x 10 mm, 1 m long, material: Copper, tin-plated, nominal current: 140 A			
	NLS-CU 3/10 SN 1000MM	0402174	10

Accessories

Type	Order No.	Pcs./Pkt.
NLS-CU 3/10 SN 1000MM	0402174	10

Support bracket for shield support on one side



AB-SK TOP

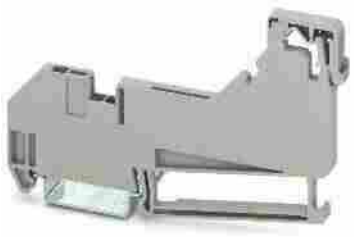
– For convenient shield connection, especially for single- and multi-level terminal blocks and devices with a front connection
– The 3 x 10 mm rail can be mounted in the support brackets vertically, horizontally and at a 45° angle for optimum conductor placing
– Compact design in a 5.2 mm pitch
– Can be marked with zack marker strip and KLM ... terminal strip markers
– Parking facility for plug-in bridges FBS
– End bracket function
– For mounting shield connection clamps SK and SKS

AB-SK

– The single-sided shield support brackets AB-SK are particularly well suited to space-saving conductor connection for terminal blocks and devices with cable entry at the side
– Available in two lengths
– For mounting shield connection clamps SK

AB-SKS

– For convenient shield connection, especially for single- and multi-level terminal blocks and devices with a front connection
– Isolated to DIN rail
– End bracket function
– For mounting shield connection clamps SK and SKS



Support bracket, tall, for shield connection clamps SK and SKS

Technical data

Dimensions	Width	Length	Height NS 35/7,5
[mm]	5.2	102.4	63.2
General data			
Material	PA		

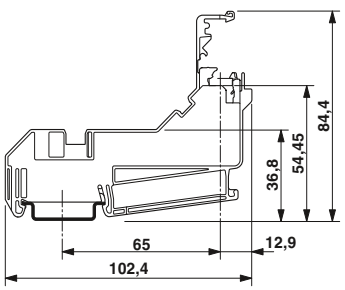
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Support bracket with end holder function, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, shield connection clamps SK and SKS	gray	**AB-SK TOP**	3062090	10
Support bracket with end holder function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for shield connection clamps SK and SKS	gray	**AB-SK TOP INSULATED**	3062074	10
Support bracket, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, shield connection clamps SK	gray			
Support bracket, 65 mm, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, shield connection clamps SK	gray			
Support bracket with end holder function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for shield connection clamps SK and SKS	gray			

Accessories

PEN conductor busbar, 3 x 10 mm, 1 m long, material: Copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	0402174	10

Lateral groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 3)**
Lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 3)**



AB-SK TOP

**Support bracket,
for shield connection clamps SK**

**Support bracket, 65 mm long,
for shield connection clamps SK**

**Isolated support bracket, tall,
for shield connection clamps SK and SKS**

Technical data

Width	Length	Height NS 35/7,5
6.2	**77.35**	**28.7**

PA

Ordering data

Type	Order No.	Pcs./Pkt.
AB-SK	3025341	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

Technical data

Width	Length	Height NS 35/7,5
6.2	**95.5**	**28.7**

PA

Ordering data

Type	Order No.	Pcs./Pkt.
AB-SK 65	3026489	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

Technical data

Width	Length	Height NS 35/7,5
9.5	**97.8**	**46.9**

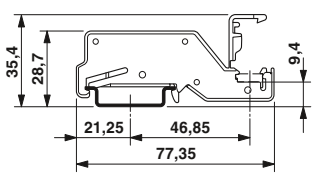
PA

Ordering data

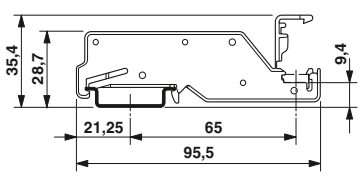
Type	Order No.	Pcs./Pkt.
AB-SKS 60	3240223	10

Accessories

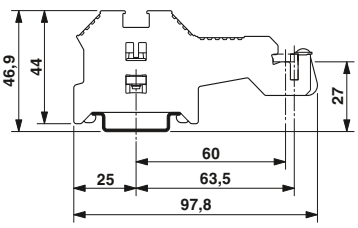
NLS-CU 3/10 SN 1000MM	0402174	10



AB-SK

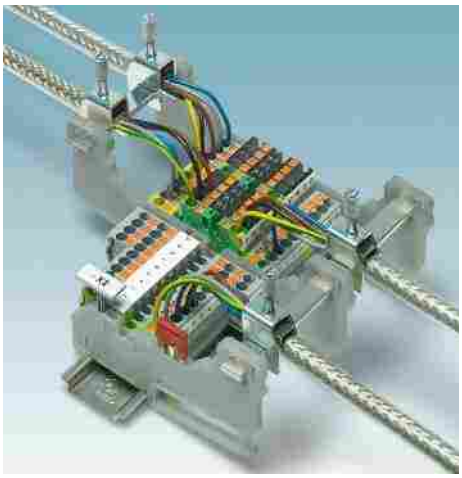


AB-SK 65



AB-SKS 60

Double support bracket for shield support on both sides

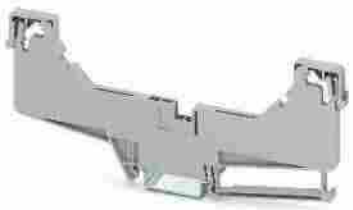


AB-SK-D TOP

- For convenient shield connection, especially for single- and multi-level terminal blocks and devices with a front connection
- The 3 x 10 mm rail can be mounted in the support brackets vertically, horizontally and at a 45° angle for optimum conductor placing
- Compact design in a 5.2 mm pitch
- Can be marked with zack marker strip and KLM ... terminal strip markers
- Parking facility for bridges and connectors
- For mounting shield connection terminal blocks SK and SKS

AB-SK 65-D

- The double shield support brackets are particularly well suited to space-saving conductor connections for terminal blocks and devices with cable entry at the side
- Available in two lengths
- For mounting shield connection terminal blocks SK



Double support bracket, tall, for shield connection clamps SK and SKS

Technical data

Dimensions		
Width	Length	Height NS 35/7,5
[mm]		
5.2	**155.8**	**-**

General data	
Material	PA

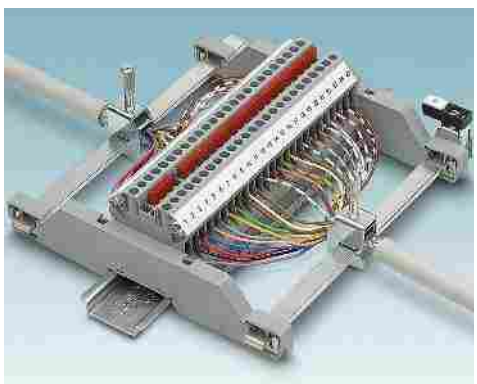
Ordering data

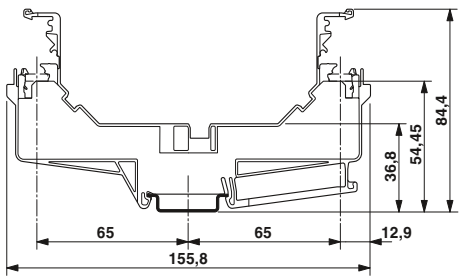
Description	Color	Type	Order No.	Pcs./Pkt.
Double support bracket with end bracket function, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, shield connection terminal blocks SK and SKS	gray	**AB-SK-D TOP**	3062100	10
Double support bracket with end bracket function, for mounting on NS 35..., isolated to NS 35..., for accommodating 3 x 10 mm busbars, for shield connection clamps SK and SKS	gray			
Double support bracket, for mounting on NS 35..., direct contact with NS 35..., for accommodating 3 x 10 mm busbars, shield connection clamps SK	gray			
Double support bracket, 65 mm, for mounting on NS 35..., isolated to NS 35... for accommodating 3 x 10 mm busbars, shield connection clamps SK	gray			

Accessories

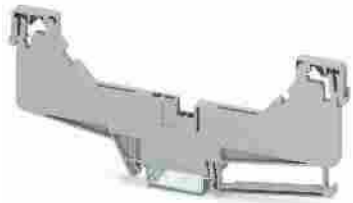
PEN conductor busbar, 3 x 10 mm, 1 m long, material: Copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	0402174	10

Lateral groove labeling	**UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 3)**
Lateral groove labeling	**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 3)**





AB-SK-D TOP



Isolated, double support bracket, tall, for shield connection clamps SK and SKS

Double support bracket, tall, for shield connection clamps SK

Isolated, double support bracket, tall, for shield connection clamps SK

Technical data

Width	Length	Height NS 35/7,5
5.2	155.8	-

PA

Ordering data

Type	Order No.	Pcs./Pkt.
AB-SK-D TOP INSULATED	3062087	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10
UC-TM 5, UCT-TM 5 or ZB 5 (see Catalog 3)		
UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 3)		

Technical data

Width	Length	Height NS 35/7,5
8.2	150	28.7

PA

Ordering data

Type	Order No.	Pcs./Pkt.
AB-SK 65-D	3026900	10

Accessories

NLS-CU 3/10 SN 1000MM	0402174	10

Technical data

Width	Length	Height NS 35/7,5
8.2	150	28.7

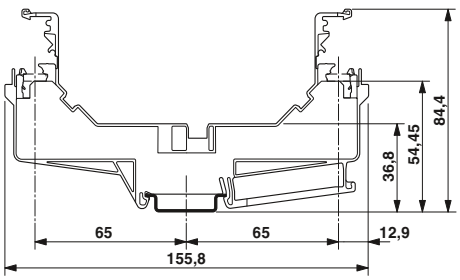
PA

Ordering data

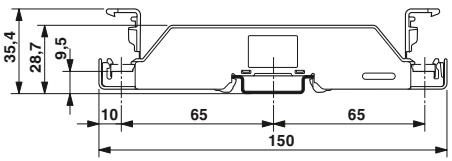
Type	Order No.	Pcs./Pkt.
AB-SK 65-D INSULATED	3040889	10

Accessories

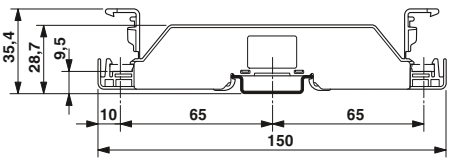
NLS-CU 3/10 SN 1000MM	0402174	10



AB-SK-D TOP INSULATED



AB-SK 65-D



AB-SK 65-D INSULATED

SK shield connection clamps

Support bracket for direct mounting

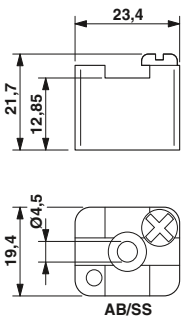
The support brackets are available in the following versions:
– AB/SS for isolated installation on the mounting plate and
– AB/SS-M for non-isolated installation on the mounting plate
– For mounting shield connection terminal blocks SK and SKS

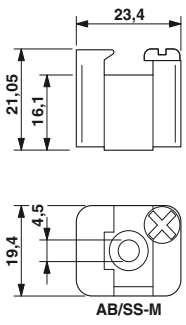
Notes:
For dimensional drawings, see phoenixcontact.net/products

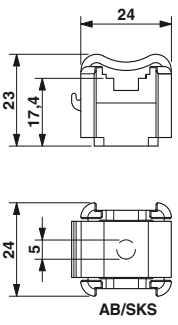
Support bracket for shield connection clamps SK

Support bracket for shield connection clamps SK & SKS

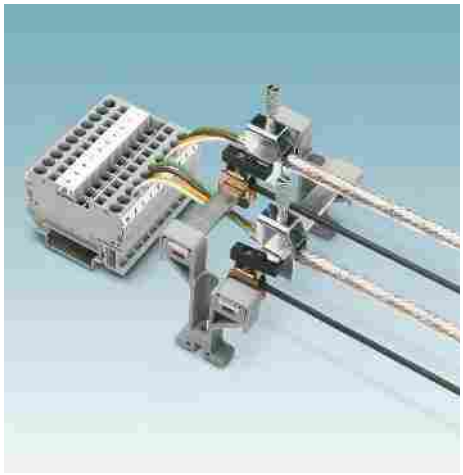
	Technical data			Technical data		
General data						
Material	PA			PA		
	Ordering data			**Ordering data**		
Description / Color	**Type**	**Order No.**	Pcs./Pkt.	**Type**	**Order No.**	Pcs./Pkt.
Support bracket, insulated, with retaining screw, for 3 x 10 mm or 6 x 6 mm busbars, gray	**AB/SS**	0404428	10			
Support bracket, with contact to the mounting plate, with retaining screw, for 3 x 10 mm busbars, gray	**AB/SS-M**	3025888	10			
Support bracket, insulated, for 3 x 10 mm or 6 x 6 mm busbars, gray				**AB/SKS**	3240224	10
	Accessories			**Accessories**		
PEN conductor busbar, 3 x 10 mm, 1 m long, material: Copper, tin-plated, nominal current: 140 A, silver	**NLS-CU 3/10 SN 1000MM**	0402174	10	**NLS-CU 3/10 SN 1000MM**	0402174	10







Multi-level support bracket for direct mounting



Support bracket, multi-level, insulated

- Double and triple support brackets for different busbars
- Type allows for an extremely compact design using large amounts of wiring, e. g., for multi-level front connection terminal blocks
- Support brackets are isolated
- Direct mounting

Technical data

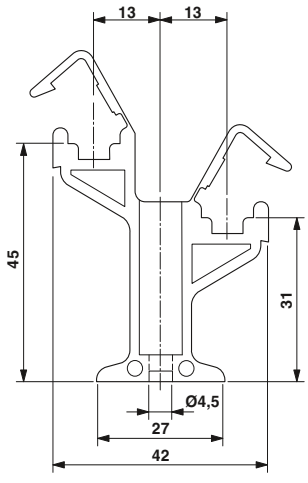
General data	
Material	PA

Ordering data

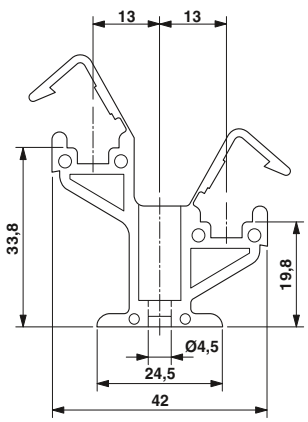
Description	Color	Type	Order No.	Pcs./Pkt.
Double support bracket, insulating material, can be optionally used for either 3 x 10 mm or 6 x 6 mm neutral busbar				
Height 48 mm	gray	**AB2/SS**	0404431	10
Height 36.8 mm	gray	**ABN 2/SS**	0404460	10
Triple support bracket, made from isolation material	gray	**AB3/SS**	0800086	10

Accessories

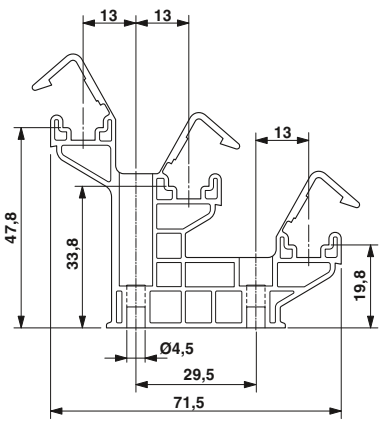
PEN conductor busbar, 3 x 10 mm, 1 m long, material: Copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 3/10 SN 1000MM**	0402174	10
PEN conductor busbar, in accordance with DIN VDE 0611-4, 6 x 6 mm, 1 m long, material: Copper, tin-plated, nominal current: 140 A	silver	**NLS-CU 6/ 6 SN 1000MM**	0402161	10



AB2/SS



ABN 2/SS



AB3/SS

Support bracket for direct and DIN rail mounting

- T-shaped support brackets for space-saving direct mounting and free positioning on the mounting plate
- Suitable for shield connection clamps SK 5 to SK 14, SKS 8 and SKS 14
- Version for NS 35 DIN rail mounting

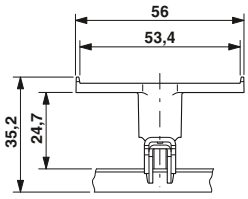
Support bracket

Technical data

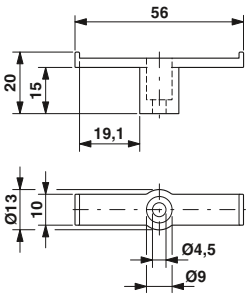
General data	
Material	Aluminum

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Support bracket, for direct mounting with contacting on the mounting surface	silver	**AB-SK/E**	3026476	10
Support bracket, for mounting on NS 35 DIN rails	silver	**AB-SK/E-NS 35**	3213111	10



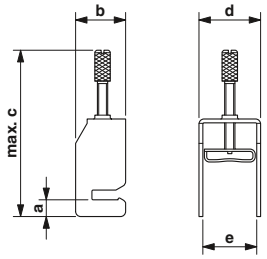
AB-SK/E-NS 35



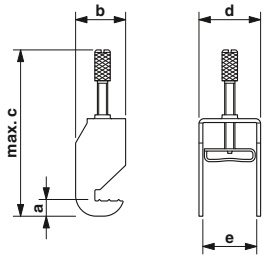
AB-SK/E

SK shield connection clamps

	Dimensions [mm]				
Terminal block	a	b	c	d	e
SK 5	6.5	19.5	46.8	9	6
SK 8	6.5	19.5	48.7	12	9
SK 14	6.5	19.5	59.3	17	14
SK 20	6.5	19.5	75	24	21
SK 28	6.5	20	93	32	28
SK 35	6.5	20	106.5	40	36
SK 5-D	6.5	19.5	46.8	9	6
SK 8-D	6.5	19.5	47.2	12	9
SK 14-D	6.5	19.5	57.8	17	14
SK 20-D	6.5	19.5	73.5	24	21
SK 28-D	6.5	20	91.5	32	28
SK 35-D	6.5	20	105.0	41	36



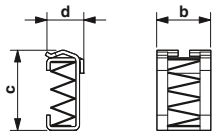
SK ...



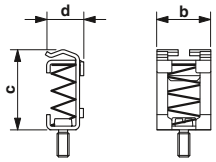
SK ...-D

SKS shield connection clamps

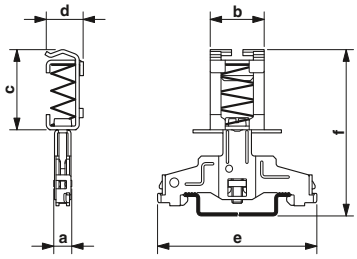
	Dimensions [mm]					
Terminal block	a	b	c	d	e	f
SKS 8	–	18	26	12.4	–	–
SKS 14	–	21	32	19	–	–
SKS 20	–	27	40.5	24.7	–	–
SKS 8-D	–	18	26	12.4	–	–
SKS 14-D	–	21	32	19	–	–
SKS 20-D	–	27	40.5	24.7	–	–
SKS 8-NS35	6	18	26	12.4	52	54
SKS 14-NS35	6	21	32	19	52	60
SKS 20-NS35	6	27	40.5	24.7	52	68.4



SKS ...



SKS ...-D

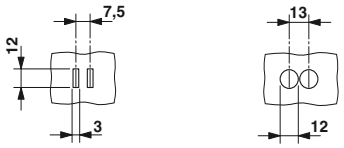


SKS ...-NS35

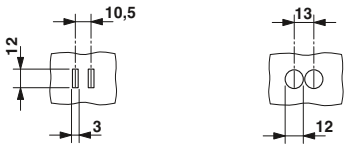
Drilling and punching patterns for SK ...-D

Punching template

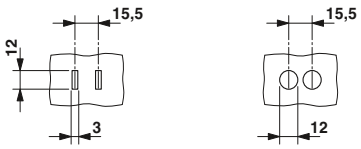
Drilling diagram



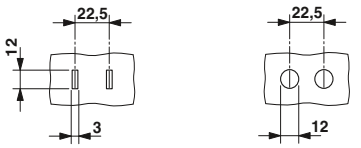
SK 5-D



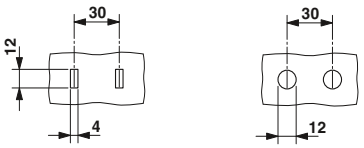
SK 8-D



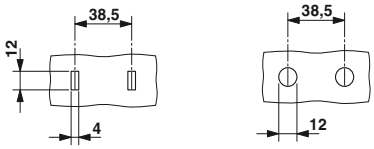
SK 14-D



SK 20-D



SK 28-D



SK 35-D

1b 2b 3b 4b 5b 6b 7b 8b 9b 10b 11b 12b 13b 14b 15b
1a 2a 3a 4a 5a 6a 7a 8a 9a 10a 11a 12a 13a 14a 15a
L3
L2
L1
reddot award 2014
winner industrial design

Sector-specific solutions

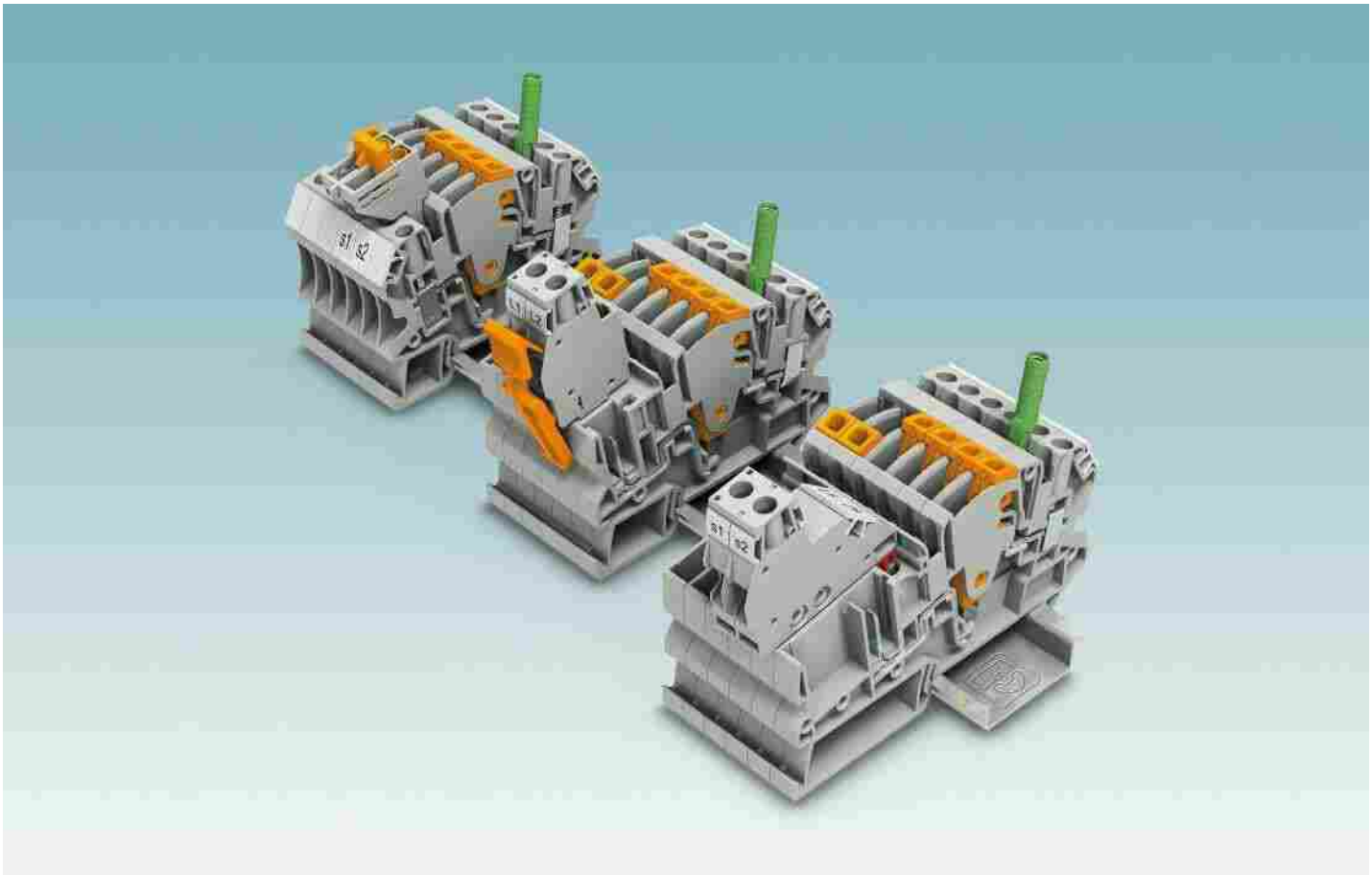
With CLIPLINE complete, the right terminal block system is available for every industry. The various connection technologies cover the requirements of all applications and uses. Numerous international approvals and comprehensive standard tests ensure safe usage in all branches of industry. Special requirements, such as those affecting the rail industry, shipbuilding or explosion-protected areas in process technology and process engineering, are also taken into account.

We also offer innovative solutions for industry-specific requirements, such as:

- Modular products with system accessories for current transformer test circuits in energy technology
- Marshalling terminals for space-saving, clear wiring in process technology
- Tailor-made solutions to satisfy the requirements of photovoltaics and building installation

Product range overview

Solutions for protection and control engineering	**608**
Test disconnect terminal blocks for DIN rail mounting	**608**
Modular plug-in test system with operating plug and transformer short circuit in the plug-in test socket	**610**
Modular plug-in test system without operating plug and transformer short circuit in the test plug	**618**
Modular plug-in test system without operating plug and transformer short circuit in the plug-in test socket	**632**
Snap-Lock plug-in test system	**642**
Modular 19" plug-in test system without operating plug and transformer short circuit in the plug-in test socket	**646**
Solutions for process technology	**656**
Solutions for photovoltaics	**658**
Solutions for building installation	**660**



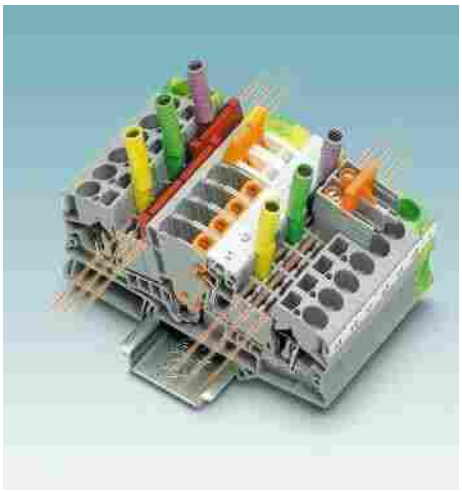
Phoenix Contact has provided the power supply sector with test disconnect terminal blocks for all current transformer and voltage transducer applications for many decades. In addition to the standard modular terminal blocks, the test disconnect terminal blocks are an integral part of the Phoenix Contact product portfolio.
The new ME series test disconnect terminal blocks from the CLIPLINE complete system enable the easy and individual structuring of measuring transducer sets. The plug-in accessories for testing and short circuiting the current transformers as well as the potential distribution can be placed within the terminal strip in accordance with the application. All switching statuses within the terminal strip are clearly visible.

Consistent use of plug-in CLIPLINE complete system accessories helps to reduce mounting and storage costs.
This series is also available with Push-in, spring-cage, and screw-connection technology. The current and voltage transformers are particularly easy to wire thanks to the plug-in measuring transducer disconnect terminal blocks. When the patented current transformer plugs are removed, an automatically leading short circuit is ensured. Use of appropriate coding and strain relief accessories also allows the modular and plug-in connection of measuring transducers.

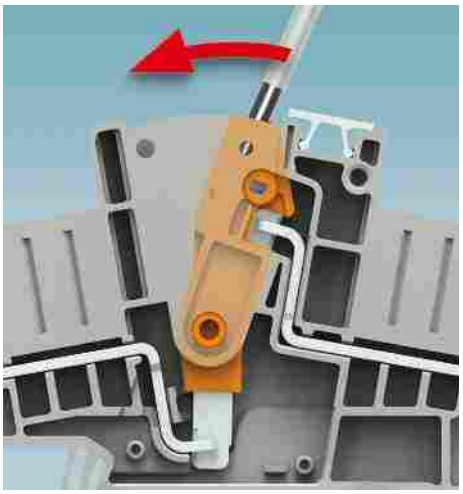
This means that these test disconnect terminal blocks are ideally suited to control and measuring technology – from the counter (smart metering) right through to the secondary technology of switchgear and power stations.

The measuring transducer disconnect terminal blocks can be found in the relevant sections on the respective connection technologies.

Your web code: #1095

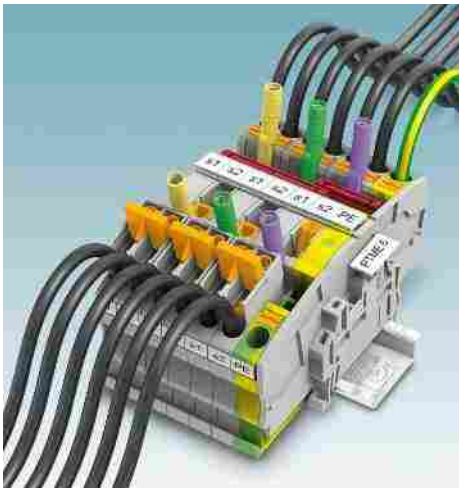


The triple function shaft on both sides of the longitudinal disconnect point enables the manual placement of bridging, testing, and switching accessories. Non-adjacent plug-in bridges allow the star point to be formed conveniently within the terminal strip, without the need for additional wire bridges.

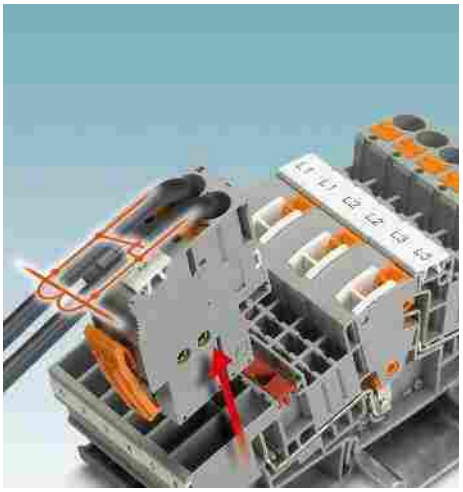


The lengthwise disconnector reliably makes contact and latches with a swiveling movement in the respective switching state. Switching symbols and optional switching locks also ensure a clear overview within the measuring transducer terminal strip.

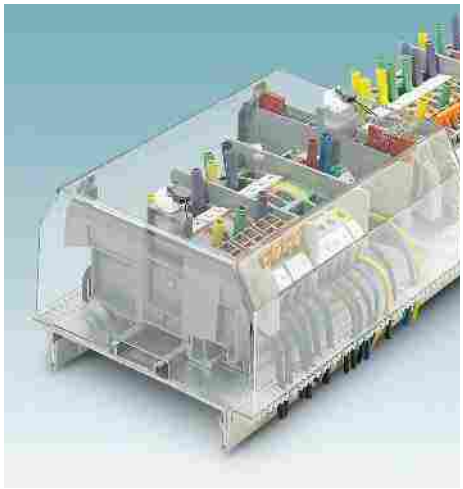
The plug-in current transformer short-circuit bridges can be used individually, based on the switching task, in the function shafts of the terminal blocks. The switching bridge disconnect element is operated with a screwdriver, which means that the switching operation is only ever activated intentionally.



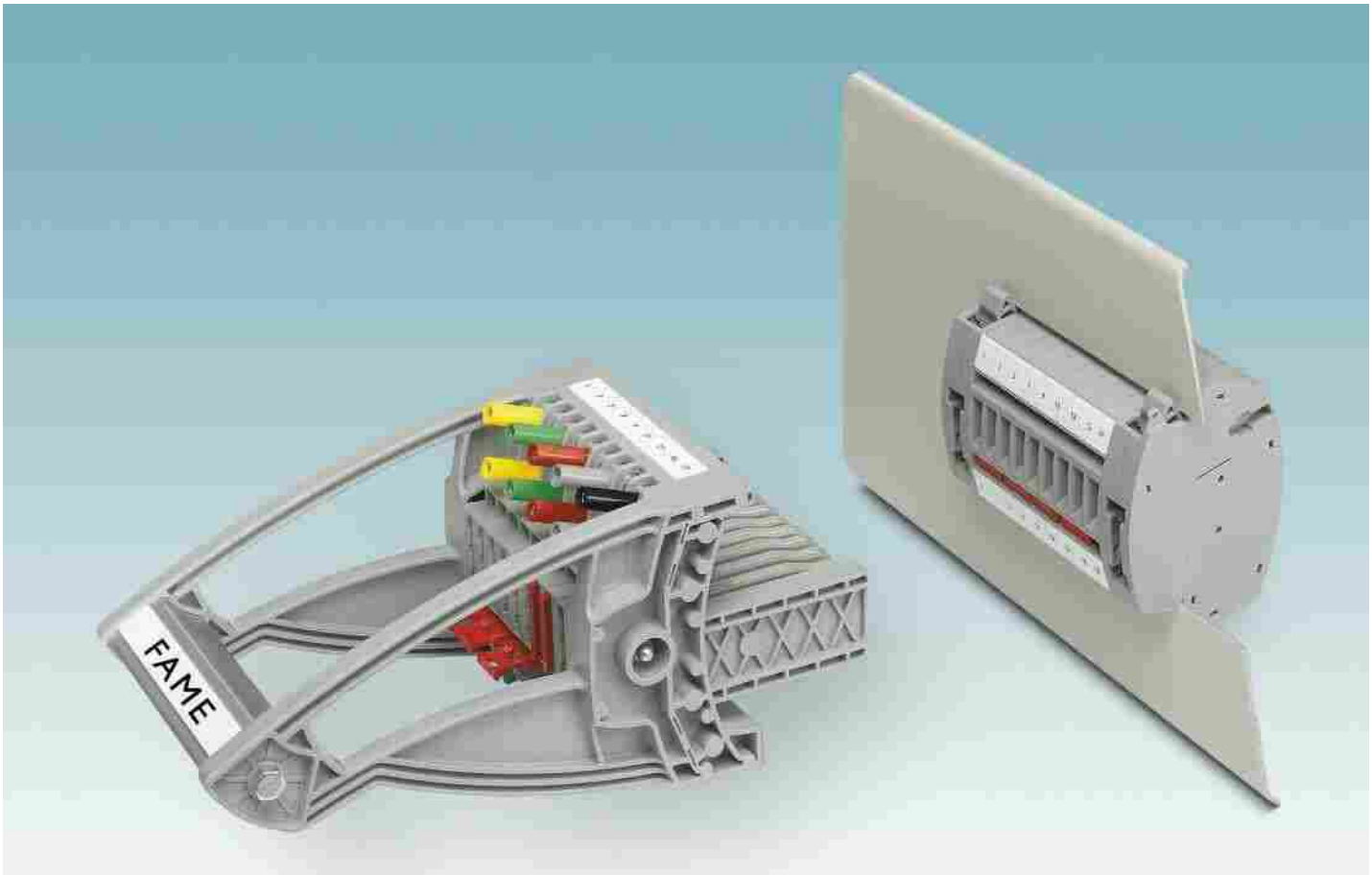
Feed-through and PE terminal blocks of the same shape are also available for the measuring transducer disconnect terminal blocks. They simplify the addition of attachments to the terminal strip and also enable convenient star point grounding within the terminal strip.



The plug-in current transformer disconnect terminal blocks and plugs also enable the safe plug-in wiring of current transformers. When the transformer plug is removed, a leading current transformer short circuit is automatically ensured. Additional encoding accessories prevent the polarity of the plug from being reversed.



Cover profiles and covering hoods are available as accessories. These can be mounted and sealed on the measuring transducer strip in a way which protects them against external influences and manipulation.



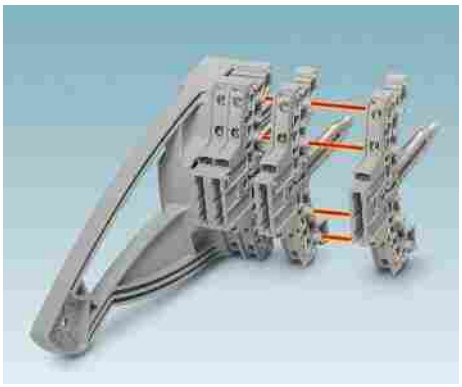
FAME 1 combines complex switching operations for function tests of current and voltage transformers, as well as tripping and signal contacts, in separate compact and space-saving blocks. The system operates in accordance with the N/O contact principle. In normal operation, an operating plug is required. The automatic transformer short circuit function is ensured with plug-in bridges in the test disconnect socket.

Measuring transducer disconnect terminal blocks are specifically tailored to the test circuits in current and voltage transformer secondary circuits. Manual switching operations short circuit current transformers prior to measurements being taken.
The FAME test disconnect system represents the further development of these switchable terminal blocks. FAME is the innovative test disconnect system for all measuring and testing tasks in network protection technology for medium and high-voltage switchgear.
The system consists of a test disconnect socket built into the control cabinet panel and the associated operating and test plugs. With this modular system, you can now perform manual testing operations automatically, safely, and more quickly. Suitable for every application, the modular system can be directly integrated into the control cabinet panel. Thanks to its modular, configurable design, FAME is a flexible system which can be used to implement different number of positions. This means that the right solution is available for every circuit diagram.

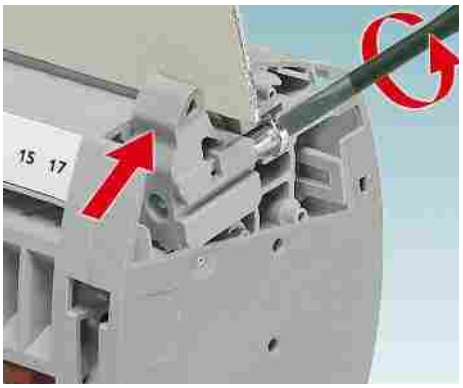
The FAME test disconnect system is designed for touch proofness for the IP20 degree of protection. Wall mounting enables installation in the control cabinet door. This allows tests to be carried out without having to access the inside of the control cabinet (wiring level), which eliminates the possibility of modifications or manipulation.
The transformer short circuit is at the heart of the system and, when the short-circuit bridge is pre-installed, it is implemented automatically when the operating or test plug is removed. This significantly improves the safety levels during testing and saves time as well.

The system is configured for current transformer and voltage transducer applications using accessories from the CLIPLINE complete system.

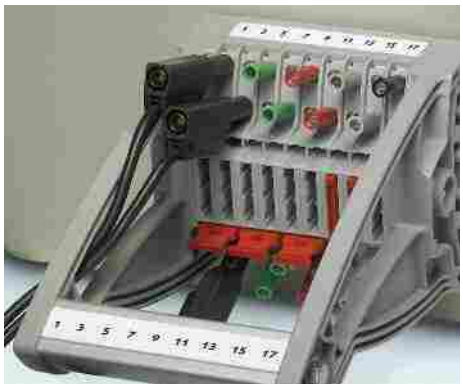
Your web code: #0131



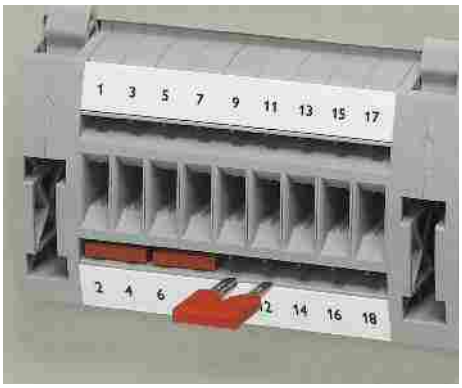
The compact and modular design of the system provides an extensive range of options for every application with positions from 4 to 13. This applies to both the plugs and the test disconnect sockets.



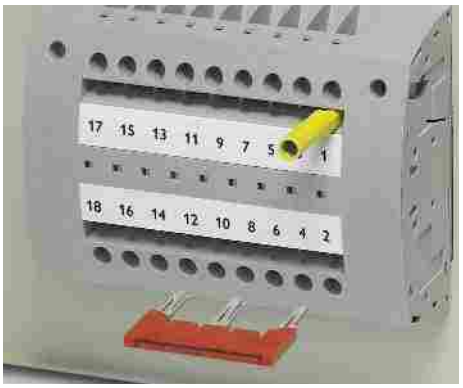
The patented wall fastening is easy to use and has a robust design. Large tolerances in the plate cutout of up to 4 mm are compensated for by the eccentric tappet function.



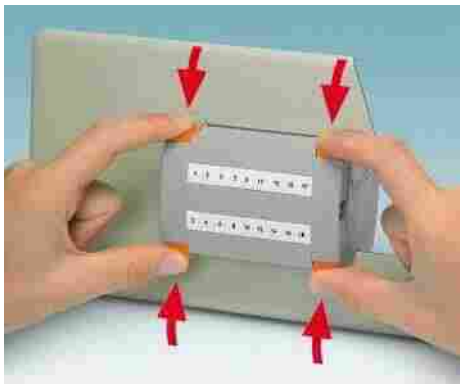
Thanks to the optional use of plug-in bridges, all test circuits can be implemented in the plug. Staggered test sockets enable the use of safety test leads in a confined space.



The transducer block offers two function shafts for short-circuit bridgeing configuration on the control cabinet exterior.



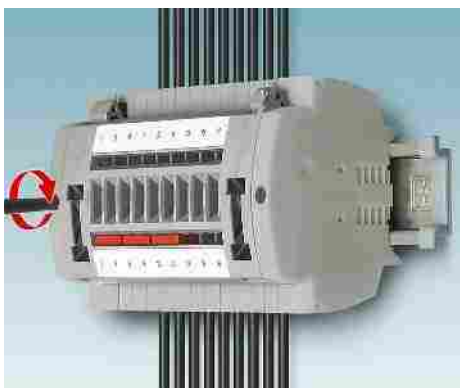
In addition to the two marking grooves, the test disconnect sockets for wall mounting also offer two function shafts inside the control cabinet for forming and grounding the star point.



The robust latching of the power plug can only be released with two-hand operation.

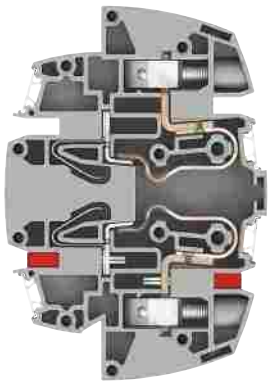
The operating plug is protected against unauthorized actuation thanks to the optional seal. The operating plug safely covers the short-circuit bridges and plug openings in normal operation.

Large-surface labeling options on the inside and outside of the control cabinet enable the clear identification of each terminal point.



The pre-assembled test terminal strips can be mounted in a space-saving way in the control cabinet by simply snapping the E-UTWE 6 adapter onto standard NS 35 DIN rails.

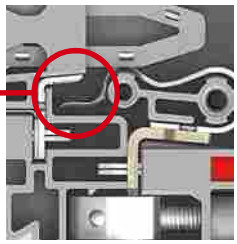
FAME 1
Modular plug-in test system with operating plug and transformer short circuit in the plug-in test socket



The switch contact in the plug-in test socket is an N/O contact. In normal operation, the operating plug closes the contact.

Normal operation

Auxiliary contact open

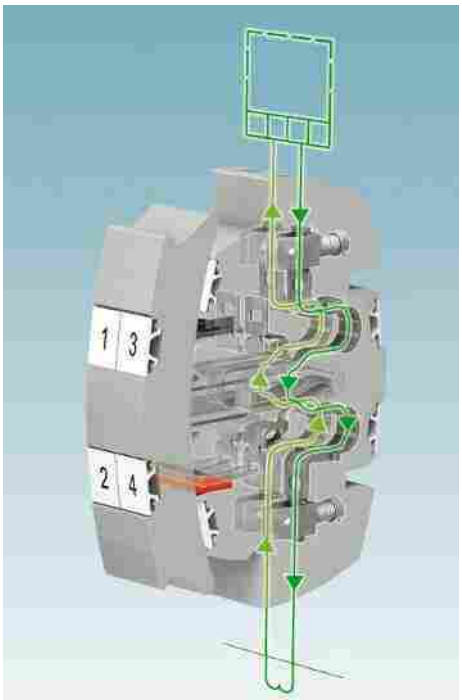


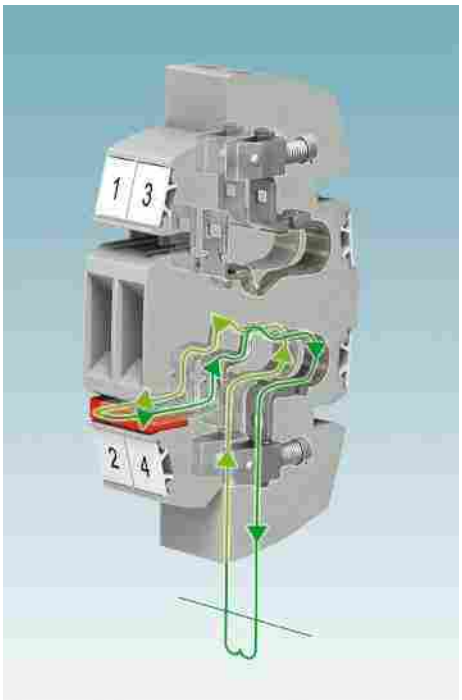
Transformer short circuit

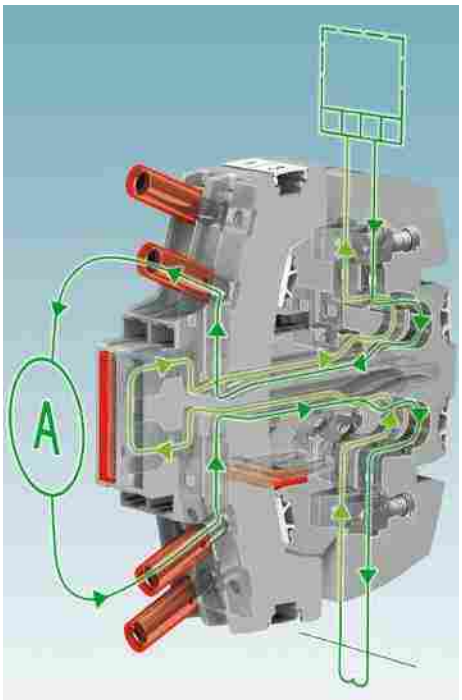
Auxiliary contact closed

Test operation

Auxiliary contact open





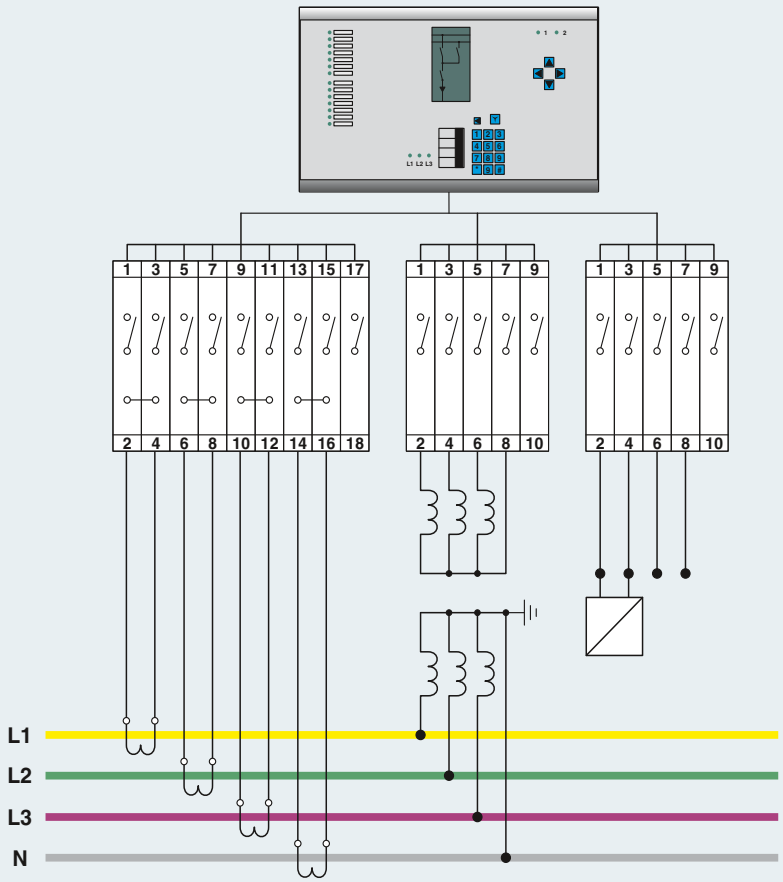


Normal operation
When the operating plug is used, the transformer short circuit is automatically overridden and the measuring transducer operates safely.

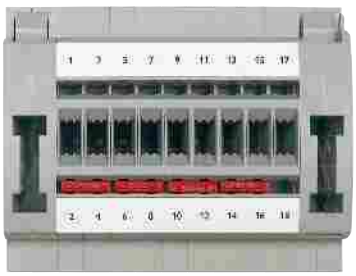
Transformer short circuit
If the plug is removed, the integrated auxiliary contact automatically triggers a leading short circuit when short-circuit bridges are plugged in.
Connected measuring transducers are safely protected against damage.

Test operation
When inserting the test plug, the ammeter connected to the test plug is first of all looped into the circuit. Then the transformer short circuit is automatically overridden.

Mains protection – Switching example with sequential switching sequence



Plug-in test socket for current transformers



Plug-in test socket for voltage transducers

Plug-in test socket for signal and tripping contacts

Plug-in test socket, operating plug, test plug		
Type	**Order No.**	**Required quantity**
UTWE 6/8+1	3069064	1
FWP 8+1	3069297	1
FTP 8+1	3069242	1
Plug-in bridge		
FBS 2-8	3030284	4

Plug-in test socket, operating plug, test plug		
Type	**Order No.**	**Required quantity**
UTWE 6/4+1	3069048	1
FWP 4+1	3069271	1
FTP 4+1	3069223	1

Plug-in test socket, operating plug, test plug		
Type	**Order No.**	**Required quantity**
UTWE 6/4+1	3069048	1
FWP 4+1	3069271	1
FTP 4+1	3069223	1

Measuring transducer block, with connector

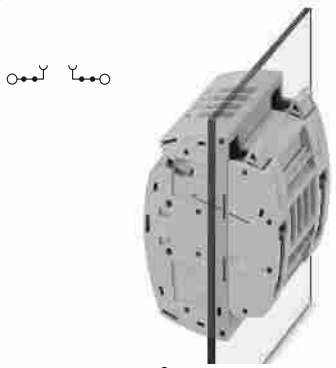
Notes:

For further test adapters, test sockets, and connectors for use with screw test sockets, visit phoenixcontact.net/products.

Derating curve on request.

To create panel cutouts, see phoenixcontact.net/products.

1) FAME 6/...BI test blocks are available for standard panel cutouts.



10 (10) mm², 30 A, plug-in test socket, wall mounting

30 A, operating plug

Technical data

Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	**400**	**0.2 - 10**	**24-8**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400	300	300	-
Nominal current / cross section [A] / [mm²]	24 / 6	10	10 / -	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	24 - 8	24-8	24-8	-
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
2 conductors (of the same type) [mm²]	0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 2.5
General data				
Stripping length [mm]	10			
Screw thread	M4			
Tightening torque [Nm]	1.5 - 1.8			
Tightening torque for wall fastening [Nm]	0.8 - 1			
Panel thickness [mm]	1 - 4			
Tightening torque: test socket screw [Nm]	-			
Insulating material	PA			
Flammability rating in accordance with UL 94	V0			

Technical data

Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	30	**400**	**-**	**-**
Rated data	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400	-	-	-
Nominal current / cross section [A] / [mm²]	24 / 6	-	-	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	-	-	-	-
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	-	-	-	-
2 conductors (of the same type) [mm²]	-	-	-	-
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	-
General data				
Stripping length [mm]	-			
Screw thread	-			
Tightening torque [Nm]	-			
Tightening torque for wall fastening [Nm]	-			
Panel thickness [mm]	-			
Tightening torque: test socket screw [Nm]	-			
Insulating material	PA			
Flammability rating in accordance with UL 94	V0			

Ordering data

Description	No. of pos.	Color	Type	I_{max}	Order No.	Pcs./Pkt.
Plug-in test system, 4-pos.		gray	**UTWE 6/3+1**		3069047	5
Plug-in test system, 5-pos.		gray	**UTWE 6/4+1**		3069048	5
Plug-in test system, 5-pos.1)		gray	**UTWE 6/4+1 BI**		3070008	5
Plug-in test system, 6-pos.		gray	**UTWE 6/5+1**		3069049	5
Plug-in test system, 7-pos.		gray	**UTWE 6/6+1**		3069051	5
Plug-in test system, 7-pos.1)		gray	**UTWE 6/6+1 BI**		3069996	5
Test disconnect system, 8-pos.		gray	**UTWE 6/7+1**		3069065	5
Plug-in test system, 9-pos.		gray	**UTWE 6/8+1**		3069064	5
Plug-in test system, 10-pos.		gray	**UTWE 6/9+1**		1029711	5
Plug-in test system, 11-pos.		gray	**UTWE 6/10+1**		1029712	5
Plug-in test system, 12-pos.		gray	**UTWE 6/11+1**		1029713	5
Plug-in test system, 13-pos.		gray	**UTWE 6/12+1**		3069077	5

Ordering data

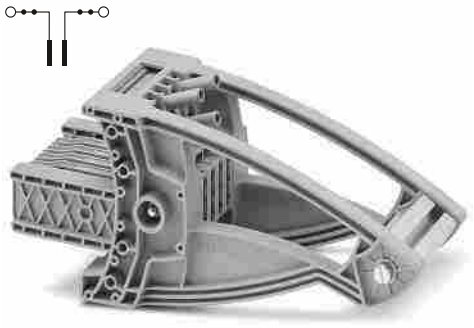
Type	Order No.	Pcs./Pkt.
FWP 3+1	3069270	5
FWP 4+1	3069271	5
FWP 4+1	3069271	5
FWP 5+1	3069272	5
FWP 6+1	3069284	5
FWP 6+1	3069284	5
FWP 7+1	3069298	5
FWP 8+1	3069297	5
FWP 9+1	1029715	5
FWP 10+1	1029716	5
FWP 11+1	1029717	5
FWP 12+1	3069307	5

Accessories

Plug-in bridge						
	2	red	**FBS 2-8**	24 A	3030284	10
	3	red	**FBS 3-8**	24 A	3030297	10
	5	red	**FBS 5-8**	24 A	3030310	10
Pre-assembled bridge, labeled						
3-pos., positions 1, 3	3	red	**FBS 1/3-8**	24 A	3032363	10
4-pos., positions 1, 4	4	red	**FBS 1/4-8**	24 A	3032376	10
5-pos., positions 1, 3, 5	5	red	**FBS 1/3/5-8**	24 A	3032389	10
10-pos., positions 1, 4, 7, 10	10	red	**FBS 1/4/7/10-8**	24 A	3032402	10
Test socket, insulated		transparent red blue yellow green				
Fork-type cable lug, non-isolated DIN 46234		silver silver				
Fork-type cable lug, insulated, in accordance with UL		red blue				
Screwdriver			**SF-SL 0,8X4,0-100**		1212551	10
Lateral groove labeling			**UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)**			

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)



24 A, test plug, incl. two test sockets per position

24 A, test plug, compact, incl. two test sockets per position

Blind plug

EAC

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**400**	**0.5 - 2.5**	**-**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
24 / 2.5	-	-	-
6	-	-	-
20 - 14	-	-	-

Rigid	Flexible	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-

-	
-	
-	
-	
-	
0.5 - 0.6	
PA	
V0	

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
FTP 3+1		3069222	1
FTP 4+1		3069223	1
FTP 4+1		3069223	1
FTP 5+1		3069241	1
FTP 6+1		3069239	1
FTP 6+1		3069239	1
FTP 7+1		3069243	1
FTP 8+1		3069242	1
FTP 9+1		1029706	1
FTP 10+1		1029708	1
FTP 11+1		1029709	1
FTP 12+1		3069255	1

Accessories

FBS 2-8	24 A	3030284	10
FBS 3-8	24 A	3030297	10
FBS 5-8	24 A	3030310	10
FBS 1/3-8	24 A	3032363	10
FBS 1/4-8	24 A	3032376	10
FBS 1/3/5-8	24 A	3032389	10
FBS 1/4/7/10-8	24 A	3032402	10
PSBJ-URTK 6 FARBLOS		3026450	10
PSBJ-URTK 6 RD		3026719	10
PSBJ-URTK 6 BU		3026434	10
PSBJ-URTK 6 YE		3026405	10
PSBJ-URTK 6 GN		3026418	10
C-FC 1,5/M3		3240137	100
C-FC 2,5/M3		3240142	100
C-FCI 1,5/M3		3240032	100
C-FCI 2,5/M3		3240037	100
SF-SL 0,8X4,0-100		1212551	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**400**	**0.5 - 2.5**	**-**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
24 / 2.5	-	-	-
6	-	-	-
20 - 14	-	-	-

Rigid	Flexible	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-

-	
-	
-	
-	
-	
0.5 - 0.6	
PA	
V0	

Ordering data

Type	I_{max}	Order No.	Pcs./Pkt.
FTPC 3+1		3069259	1
FTPC 4+1		3069260	1
FTPC 4+1		3069260	1
FTPC 5+1		3069261	1
FTPC 6+1		3069262	1
FTPC 6+1		3069262	1
FTPC 7+1		3069263	1
FTPC 8+1		3069264	1
FTPC 9+1		3069265	1
FTPC 10+1		3069266	1
FTPC 11+1		3069267	1
FTPC 12+1		3069268	1

Accessories

FBS 2-8	24 A	3030284	10
FBS 3-8	24 A	3030297	10
FBS 5-8	24 A	3030310	10
FBS 1/3-8	24 A	3032363	10
FBS 1/4-8	24 A	3032376	10
FBS 1/3/5-8	24 A	3032389	10
FBS 1/4/7/10-8	24 A	3032402	10
PSBJ-URTK 6 FARBLOS		3026450	10
PSBJ-URTK 6 RD		3026719	10
PSBJ-URTK 6 BU		3026434	10
PSBJ-URTK 6 YE		3026405	10
PSBJ-URTK 6 GN		3026418	10
C-FC 1,5/M3		3240137	100
C-FC 2,5/M3		3240142	100
C-FCI 1,5/M3		3240032	100
C-FCI 2,5/M3		3240037	100
SF-SL 0,8X4,0-100		1212551	10

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)

Technical data

max. Ø [mm²]	AWG (UL)
-	**-**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	-	-
-	-	-	-
-	-	-	-

Rigid	Flexible	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-

-	
-	
-	
-	
-	
-	
PA	
V0	

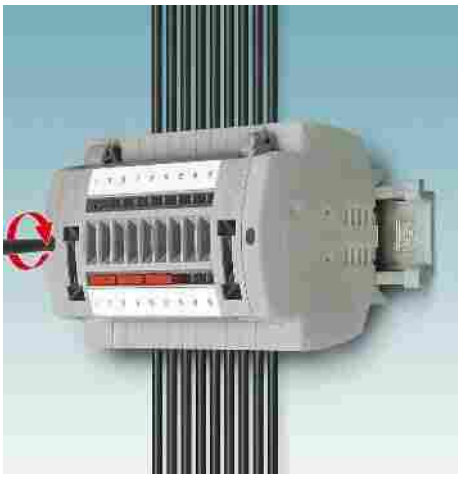
Ordering data

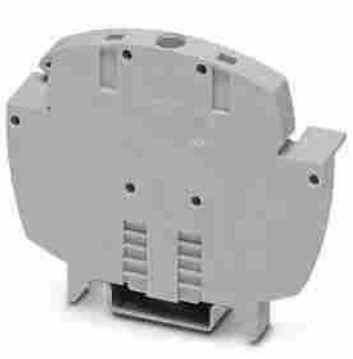
Type	Order No.	Pcs./Pkt.
FBP 3+1	3069399	5
FBP 4+1	3069405	5
FBP 4+1	3069405	5
FBP 5+1	3069409	5
FBP 6+1	3069406	5
FBP 6+1	3069406	5
FBP 7+1	3069400	5
FBP 8+1	3069407	5
FBP 9+1	1029718	5
FBP 10+1	1029719	5
FBP 11+1	1029720	5
FBP 12+1	3069408	5

Accessories

UC-TM 8, UCT-TM 8 or ZB 8 (see Catalog 3)

DIN rail adapters





The pre-assembled terminal block bases reduce mounting and storage costs. The right terminal block base is available for every function.

– The DIN rail adapters have a robust metal foot
– Secure connection to the DIN rail by simply screwing tight

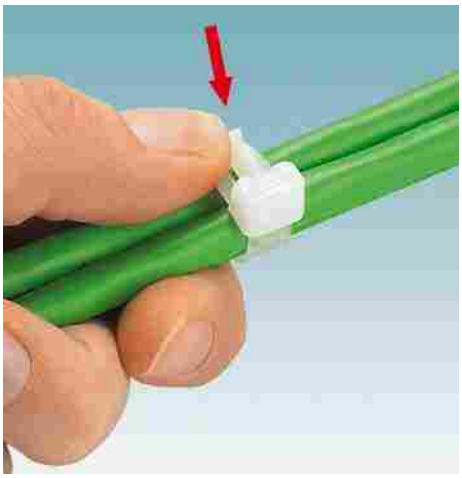
Description	Color	Ordering data: Type	Order No.	Pcs./Pkt.
DIN rail adapter	gray	**E-UTWE 6**	3069055	10

Covers

– The AP RSC-T cover profile can be mounted from the inside of the control cabinet using the FAME 1 test terminal strip
– Terminal block screws are protected against unauthorized operation
– The APH-UTWE 6 cover profile carrier is mounted by simply snapping it onto the test disconnect socket on the right and left-hand side

Description	Color	Ordering data: Type	Order No.	Pcs./Pkt.
Cover profile, supply length 1 m	transparent	**AP RSC-T**	3059139	10
Cover profile carrier, can be snapped into place and sealed	gray	**APH-UTWE 6**	3069056	10

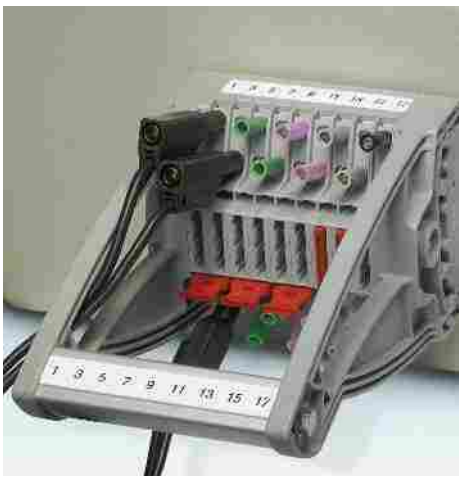
Cable ties for securing test cables



- WT-D HF 7,5x200 removable cable ties can be used to easily secure test cables to an FTP FAME 1 test plug
- The cable tie base is simply unscrewed at the grip. The knurled screw is removed and then secured together with the base

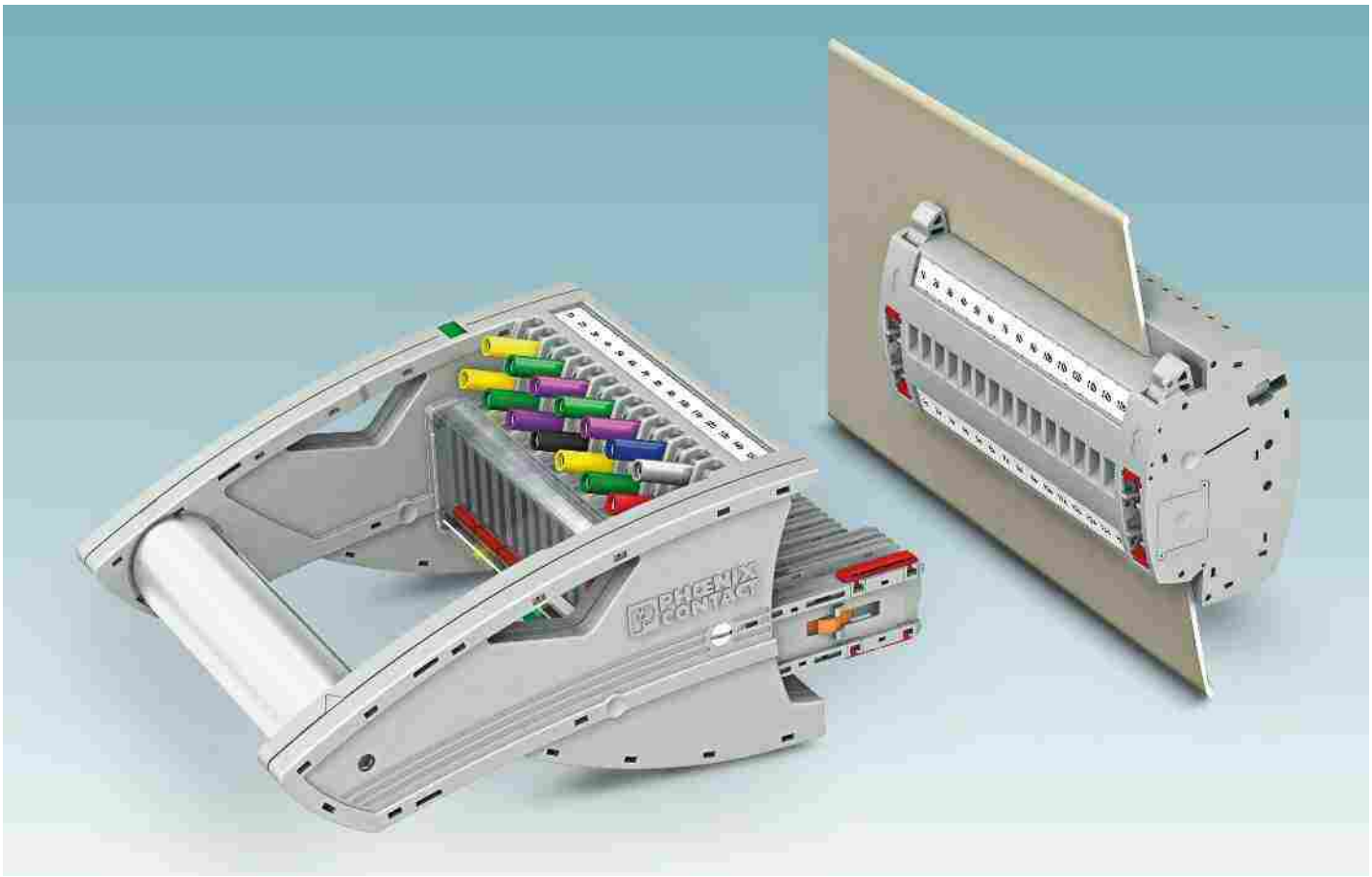
Description	Color	Ordering data: Type	Order No.	Pcs./Pkt.
Cable tie base, for cable ties of up to 9 mm width, screwable, 5 mm fixing hole, dimensions: 14.6 x 22 mm	transparent	**WT-BASE HF 9**	3240704	100
Cable tie, maximum bundle Ø [mm]/minimum tensile strength [N]				
50 / 220	transparent	**WT-D HF 7,5X200**	3240712	100

Colored PSBJ ... test sockets



- 4 mm safety test leads with fixed insulation in accordance with EN 61010-031 CAT III and CAT IV up to 1000 V can be coded in true color
- Additional test leads, assembled with ring and fork-type cable lugs (see accessories, e.g., page 624) can be attached with test sockets

Description	Color	Ordering data: Type	Order No.	Pcs./Pkt.
Test socket, insulated	transparent	**PSBJ-URTK 6 FARBLOS**	3026450	10
	red	**PSBJ-URTK 6 RD**	3026719	10
	blue	**PSBJ-URTK 6 BU**	3026434	10
	yellow	**PSBJ-URTK 6 YE**	3026405	10
	green	**PSBJ-URTK 6 GN**	3026418	10
	violet	**PSBJ-URTK 6 VT**	3026421	10
	black	**PSBJ-URTK 6 BK**	3026447	10
	gray	**PSBJ-URTK 6 GY**	3026612	10
	brown	**PSBJ-URTK 6 BN**	3026971	10
	white	**PSBJ-URTK 6 WH**	3026448	10

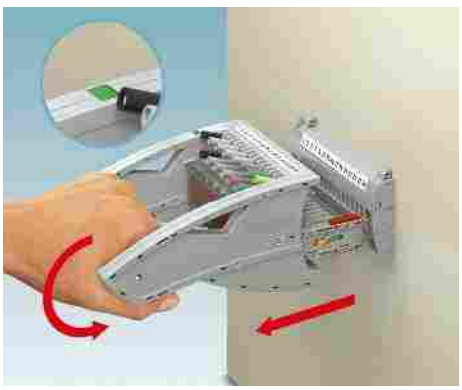


FAME 2, the test disconnect system without operating plug, combines complex switching operations for function tests of current transformers and voltage transducers, as well as tripping and signal contacts, into just one compact and space-saving block. The system operates in accordance with the N/C contact principle. An operating plug is not required. Plug-in bridges in the test plug ensure an automatic transducer short-circuit function.

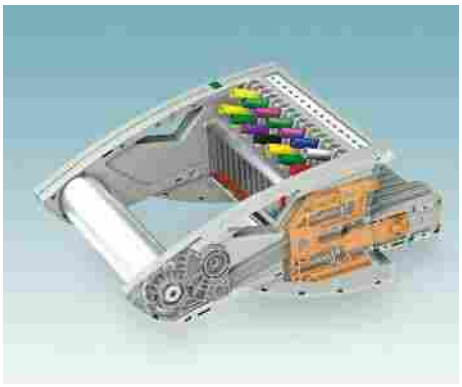
Your web code: #0131

The test plug is completely inserted and engaged, the display window turns red. All test contacts are contacted in accordance with the test setup.

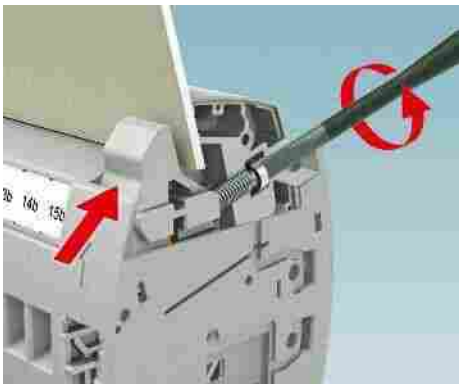
The rotary handle is turned upward as far as it will go, the display window turns yellow. Test contacts with short contact tab lengths (e.g., current transformers) are once again through-connected to the protective device.



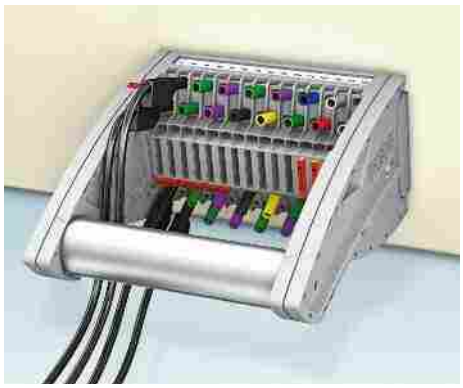
The rotary handle is turned back to its starting position. Now the mechanism releases the plug so it can be fully removed. The display window turns green.



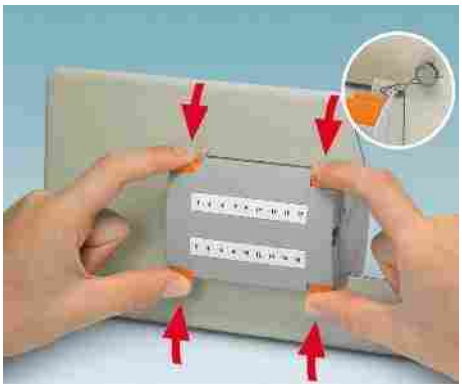
Programmed short-circuit and switching operations depend on consistent insertion and removal of the test plug. Undefined contact states are effectively avoided, thanks to the rotary handle mechanism.



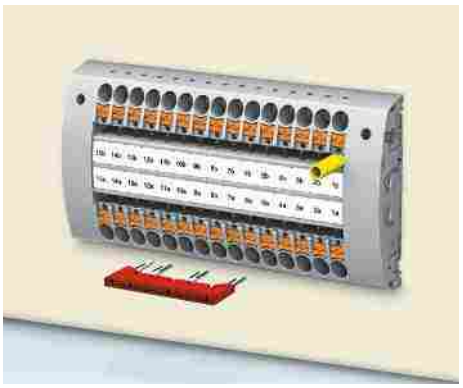
The patented wall fastening is easy to use and has a robust design. Large tolerances in the sheet metal cutout of up to 4 mm are compensated for by the eccentric tappet function.



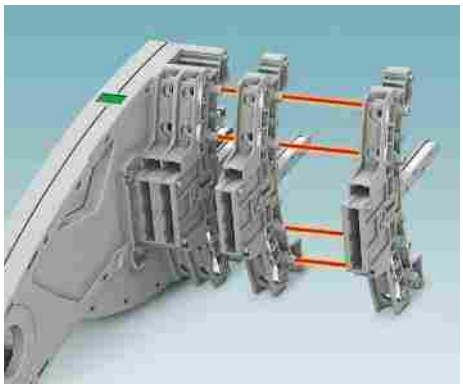
The offset test socket arrangement enables the use of CAT III and CAT IV/1000 V safety test leads in accordance with EN 61010-031 in a confined space.



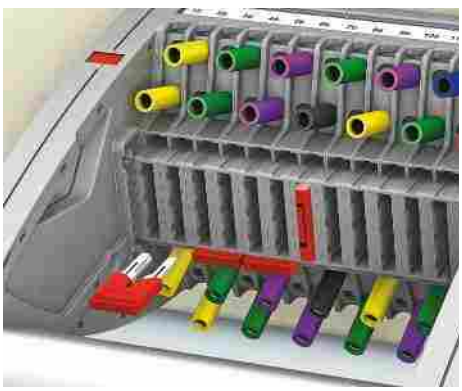
FAME test terminal strips have an IP20 design. Blind plugs without switching function can be inserted and secured with seals. These can only be released with two-hand operation.



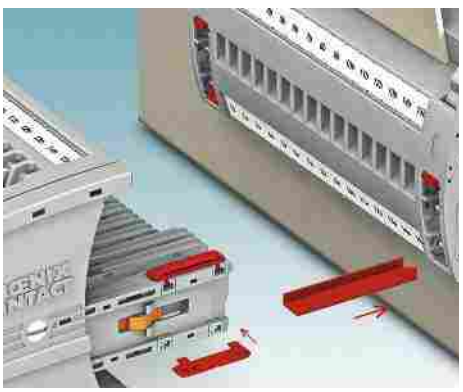
In addition to the two marking grooves, the test terminal strips for wall mounting also offer two function shafts, or six function shafts in the case of the DIN rail version, inside the control cabinet for forming and grounding the star point.



The compact and modular design of the system provides an extensive range of options for every application with positions from 4 to 25. This applies to both the plugs and the test disconnect sockets.



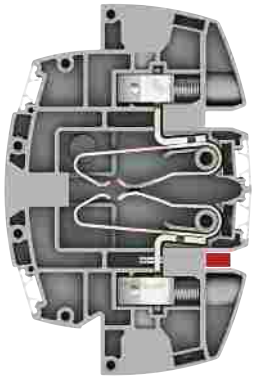
The test plug provides three function shafts between the 4 mm test contacts. Horizontally aligned, as leading short-circuit bridge – vertically aligned as through connection in the plug.



The coding profiles are applied by the user in accordance with their application. VDE-compliant versions are pre-coded on delivery. This ensures maximum safety.

All applications which do not involve testing through the closed door, as well as the open rack mounting, can be implemented with the DIN rail version. Terminal points and plug-in zone can be operated from one direction.

FAME 2
Modular plug-in test system without operating plug and transformer short circuit in the test plug

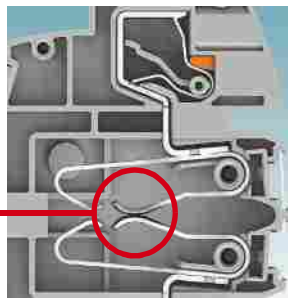


The switch contact in the plug-in test socket is a N/C contact. In normal operation the contact is closed.

Thanks to the FAME 2 system's opening function, additional operating plugs are not required for normal operation.

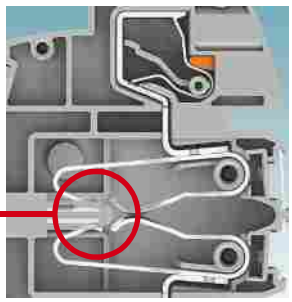
Normal operation

Closed switch contact



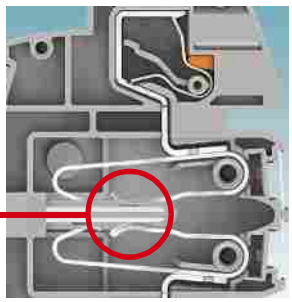
Transformer short circuit

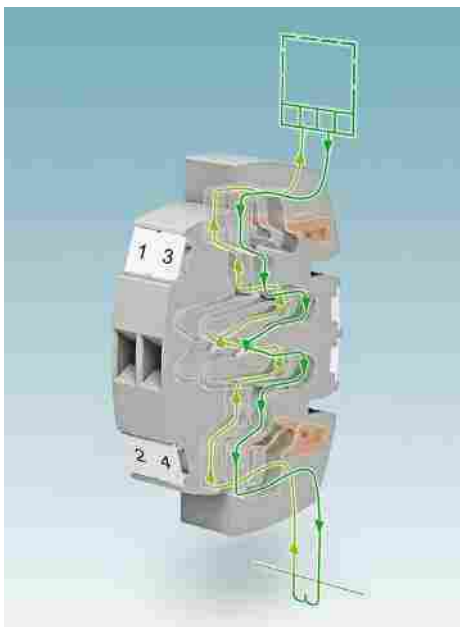
Leading short circuit by means of auxiliary contact

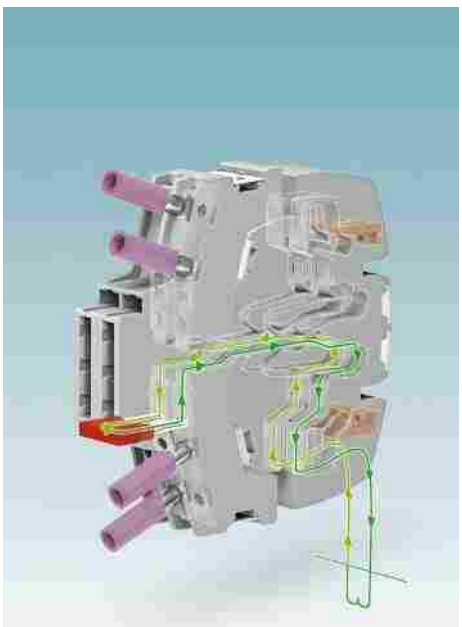


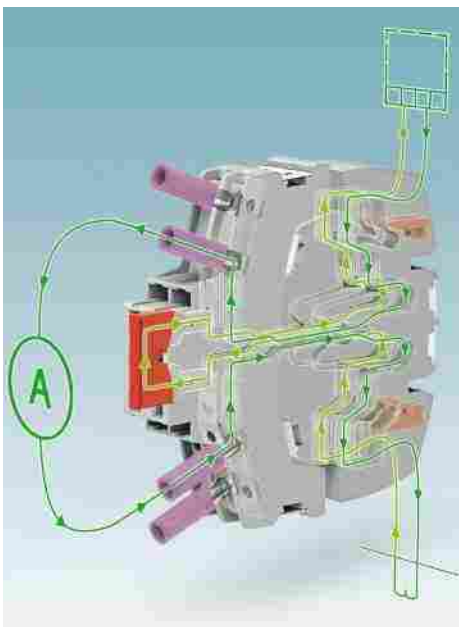
Test operation

Switch contact connected via test socket









Normal operation

Additional operating plugs are not required for normal operation; the measuring transducer operates safely and reliably. If desired, the plug-in zone can be covered and sealed with a blind plug to prevent unauthorized access.

Transformer short circuit

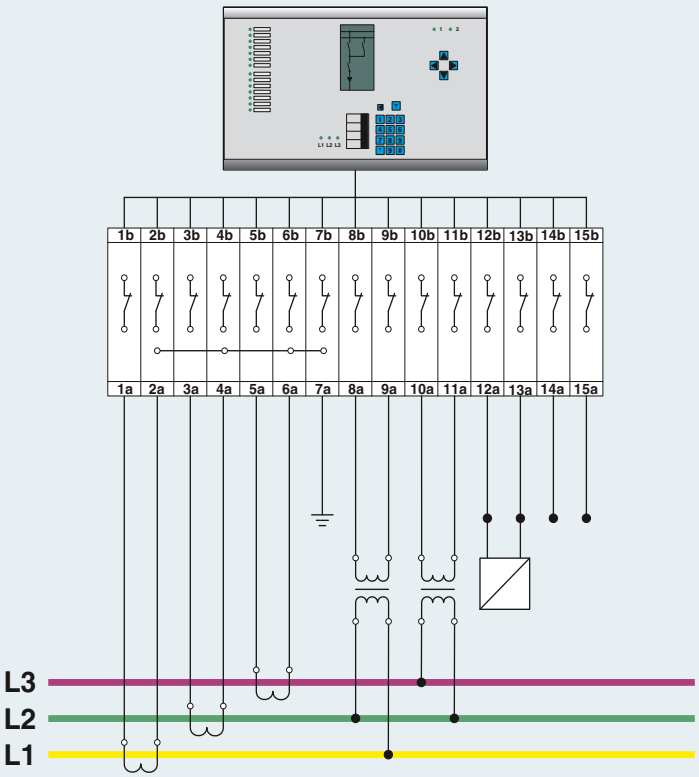
When replacing the protective device or in the case of a relay test, the current transformer can be short circuited upstream of the signal splitting by inserting a plug-in bridge crossways.

Connected measuring transducers are safely protected against damage.

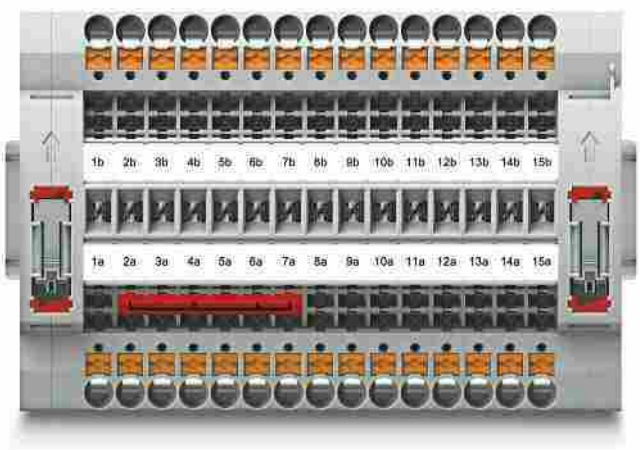
Test operation

With the bridge inserted lengthways in the test plug, test equipment can be looped into the current path via the 4 mm test sockets.

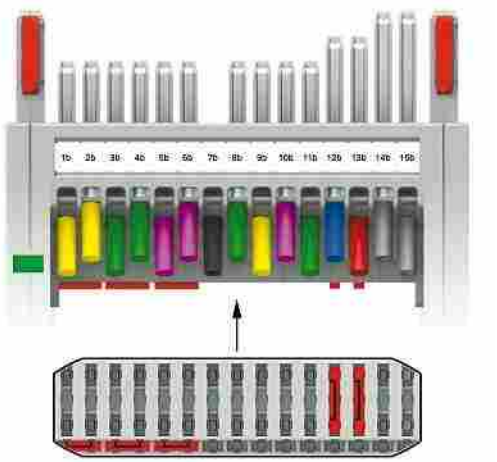
Mains protection – Circuit example with star point grounding in the plug-in test socket



Plug-in test socket for DIN rail mounting with current transformer, voltage transducer, and signals



Test plug with current transformer, voltage transducer, and signals



Plug-in test socket, blind plug		
Type	**Order No.**	**Required quantity**
PTRE 6-2/15	3069864	1
FBP 2/15	3069886	1
Plug-in bridge		
FBS 6-8	3032470	1

Test plug		
Type	**Order No.**	**Required quantity**
FTPR 2/15	3001693	1
Plug-in bridge		
FBS 2-8	3030284	3
FBS 1/3-8	3032363	2

Test terminal strip, with Push-in connection or screw connection

The modular FAME measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely. The transformer is short-circuited and the test device is looped in automatically when inserted.

– The test terminal strips can be used universally for current and voltage transducers
– The test disconnect socket is mounted in the control cabinet door or on the DIN rail
– Signal and status messages can be wired in combination in a test terminal strip
– The correct switching sequence when removing the test plug is ensured by a locking device and a mechanical drive in the rotary handle
– All test signals are connected with touch-proof safety test cables (CAT III and CAT IV/1000 V in accordance with EN 61010-031)
– All versions listed can be equipped with coding for the matching test plug
– Star points of the current transformers can easily be created with FBS ... plug-in bridges on the rear of the plug-in test socket
– You can find corresponding accessories from page 627

Notes:
To create panel cutouts, see phoenixcontact.net/products.
For further plug-in bridges, see page 628.
1) Derating curve available on request.
2) Test surge voltage 5 kV.

6 (10) mm², 30 A, 4 ... 25-pos. test terminal strip, for wall mounting, Push-in connection

Technical data

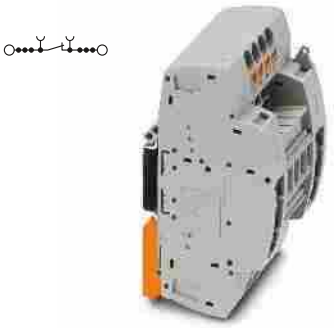
Maximum electrical data				
$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)	
30	**400²)**	**0.5 - 10**	**20-8**	
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400²)	300	600	-
Nominal current / cross section [A] / [mm²]	24¹) / 6	10	20 / -	-
Rated cross section [mm²]	6	-	-	-
Cross section range AWG	20 - 8	20-8	20-8	-
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
2 conductors (of the same type) [mm²]	-	-	-	-
2 flexible conductors with a TWIN ferrule [mm²]	-	-	-	0.5 - 1.5
Connection cross sections directly plug-in [mm²]	1 - 10	-	1 - 6	1 - 6
General data				
Stripping length [mm]	12			
Screw thread	-			
Tightening torque [Nm]	-			
Tightening torque for wall fastening [Nm]	0.8 - 1			
Panel thickness [mm]	1 - 4			
Insulating material	PA			
Flammability rating in accordance with UL 94	V0			

Ordering data

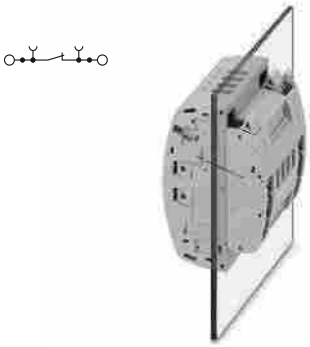
Description	Color	Type	Order No.	Pcs./Pkt.
Test terminal strip, 4-pos.	gray	**PTWE 6-2/4**	3069827	1
5-pos.	gray	**PTWE 6-2/5**	3069828	1
6-pos.	gray	**PTWE 6-2/6**	3069829	1
7-pos.	gray	**PTWE 6-2/7**	3069830	1
8-pos.	gray	**PTWE 6-2/8**	3069831	1
9-pos.	gray	**PTWE 6-2/9**	3069832	1
10-pos.	gray	**PTWE 6-2/10**	3069833	1
11-pos.	gray	**PTWE 6-2/11**	3069834	1
12-pos.	gray	**PTWE 6-2/12**	3069835	1
13-pos.	gray	**PTWE 6-2/13**	3069836	1
14-pos.	gray	**PTWE 6-2/14**	3069837	1
15-pos.	gray	**PTWE 6-2/15**	3069838	1
16-pos.	gray	**PTWE 6-2/16**	3069839	1
17-pos.	gray	**PTWE 6-2/17**	3069840	1
18-pos.	gray	**PTWE 6-2/18**	3069841	1
19 pos.	gray	**PTWE 6-2/19**	3069842	1
20-pos.	gray	**PTWE 6-2/20**	3069843	1
21-pos.	gray	**PTWE 6-2/21**	3069844	1
22-pos.	gray	**PTWE 6-2/22**	3069845	1
23-pos.	gray	**PTWE 6-2/23**	3069846	1
24-pos.	gray	**PTWE 6-2/24**	3069847	1
25-pos.	gray	**PTWE 6-2/25**	3069848	1

Accessories

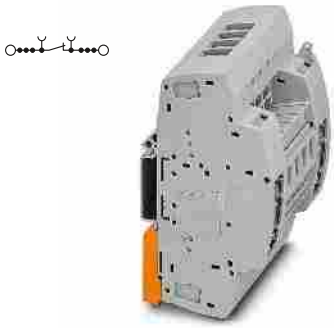
Cover profile, supply length 1 m	transparent	**AP RSC-T**	3059139	10
Cover profile holder, can be snapped on and sealed	gray	**APH-UTWE 6-2**	3069057	10
Cover profile, supply length 1 m	transparent			
Cover profile carrier, sealable, for AP-ME cover profile	gray			
Cover profile carrier, for AP-ME	gray			
Screwdriver		**SF-SL 0,8X4,0-100**	1212551	10
Lateral groove labeling		**UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)**		



6 (10) mm², 30 A, 4 ... 25-pos. test terminal strip, for DIN rail mounting, Push-in connection



10 (10) mm², 30 A, 4 ... 25-pos. plug-in test socket, for wall mounting, screw connection



10 (10) mm², 30 A, 4 ... 25-pos. plug-in test socket, for DIN rail mounting, screw connection

EAC

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30	**400²)**	**0.5 - 10**	**20-8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400²)	300	600	-
24¹) / 6	10	20 / -	-
6	-	-	-
20 - 8	20-8	20-8	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
-	-	-	-
-	-	-	0.5 - 1.5
1 - 10	-	1 - 6	1 - 6
12			
-			
-			
-			
-			
PA			
V0			

Ordering data

Type	Order No.	Pcs./Pkt.
PTRE 6-2/4	3069849	1
PTRE 6-2/5	3069850	1
PTRE 6-2/6	3069851	1
PTRE 6-2/7	3069852	1
PTRE 6-2/8	3069853	1
PTRE 6-2/9	3069854	1
PTRE 6-2/10	3069855	1
PTRE 6-2/11	3069860	1
PTRE 6-2/12	3069861	1
PTRE 6-2/13	3069862	1
PTRE 6-2/14	3069863	1
PTRE 6-2/15	3069864	1
PTRE 6-2/16	3069865	1
PTRE 6-2/17	3069866	1
PTRE 6-2/18	3069867	1
PTRE 6-2/19	3069868	1
PTRE 6-2/20	3069869	1
PTRE 6-2/21	3069870	1
PTRE 6-2/22	3069871	1
PTRE 6-2/23	3069872	1
PTRE 6-2/24	3069873	1
PTRE 6-2/25	3069874	1

Accessories

AP-ME	**METER**	3034361	10
APH-ME		3034374	10
APT-ME		3034358	10
SF-SL 0,8X4,0-100		1212551	10

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30	**400²)**	**0.2 - 10**	**24-8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400²)	300	300	-
24¹) / 6	10	10 / -	-
6	-	-	-
24 - 8	24-8	24-8	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-
12			
M4			
1.5 - 1.8			
0.8 - 1			
1 - 4			
PA			
V0			

Ordering data

Type	Order No.	Pcs./Pkt.
UTWE 6-2/4	3069650	1
UTWE 6-2/5	3069651	1
UTWE 6-2/6	3069652	1
UTWE 6-2/7	3069654	1
UTWE 6-2/8	3069655	1
UTWE 6-2/9	3069656	1
UTWE 6-2/10	3069658	1
UTWE 6-2/11	3069659	1
UTWE 6-2/12	3069660	1
UTWE 6-2/13	3069662	1
UTWE 6-2/14	3069663	1
UTWE 6-2/15	3069664	1
UTWE 6-2/16	3069666	1
UTWE 6-2/17	3069667	1
UTWE 6-2/18	3069668	1
UTWE 6-2/19	3069672	1
UTWE 6-2/20	3069673	1
UTWE 6-2/21	3069800	1
UTWE 6-2/22	3069801	1
UTWE 6-2/23	3069802	1
UTWE 6-2/24	3069803	1
UTWE 6-2/25	3069804	1

Accessories

AP RSC-T		3059139	10
APH-UTWE 6-2		3069057	10
SF-SL 0,8X4,0-100		1212551	10

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
30	**400²)**	**0.2 - 10**	**24-8**
IEC 60947-7-1			
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400²)	300	300	-
24¹) / 6	10	10 / -	-
6	-	-	-
24 - 8	24-8	24-8	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
0.2 - 10	0.2 - 10	0.25 - 6	0.25 - 6
0.2 - 2.5	0.2 - 2.5	0.25 - 1.5	-
-	-	-	0.5 - 2.5
-	-	-	-
10			
M4			
1.5 - 1.8			
-			
-			
PA			
V0			

Ordering data

Type	Order No.	Pcs./Pkt.
UTRE 6-2/4	3069805	1
UTRE 6-2/5	3069806	1
UTRE 6-2/6	3069807	1
UTRE 6-2/7	3069808	1
UTRE 6-2/8	3069809	1
UTRE 6-2/9	3069810	1
UTRE 6-2/10	3069811	1
UTRE 6-2/11	3069812	1
UTRE 6-2/12	3069813	1
UTRE 6-2/13	3069814	1
UTRE 6-2/14	3069815	1
UTRE 6-2/15	3069816	1
UTRE 6-2/16	3069817	1
UTRE 6-2/17	3069818	1
UTRE 6-2/18	3069819	1
UTRE 6-2/19	3069820	1
UTRE 6-2/20	3069821	1
UTRE 6-2/21	3069822	1
UTRE 6-2/22	3069823	1
UTRE 6-2/23	3069824	1
UTRE 6-2/24	3069825	1
UTRE 6-2/25	3069826	1

Accessories

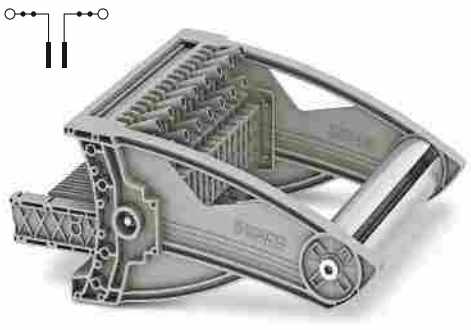
AP-ME	**METER**	3034361	10
APH-ME		3034374	10
APT-ME		3034358	10
SF-SL 0,8X4,0-100		1212551	10

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)

Test plug, multi-position, freely-configurable contact tabs FTPR ... and FTP ...

- The test plugs can be easily configured and ordered with just a click of the mouse in the product area on our website at phoenixcontact.net/products
- To order via fax or e-mail, please use the ordering data as shown in the ordering example on the following page

24 A, test plug with twist grip, 4 mm test sockets



24 A, test plug without rotary handle, 4 mm test sockets

Technical data

Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**400**	**0.5 - 2.5**	**-**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	-	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	20 - 14	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	-	0.5 - 2.5	-	-
General data					
Tightening torque: test socket screw	[Nm]	0.5 - 0.6			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Technical data

		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**400**	**0.5 - 2.5**	**-**
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
		400	-	-	-
		24 / 2.5	-	-	-
		6	-	-	-
		20 - 14	-	-	-
		Rigid	Flexible	Ferrule without/with plastic sleeve	
		-	0.5 - 2.5	-	-
		0.5 - 0.6			
		PA			
		V0			

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Test plug	gray	**FTPR-2/4**	3001681	1
5-pos.	gray	**FTPR-2/5**	3001683	1
6-pos.	gray	**FTPR-2/6**	3001684	1
7-pos.	gray	**FTPR-2/7**	3001685	1
8-pos.	gray	**FTPR-2/8**	3001686	1
9-pos.	gray	**FTPR-2/9**	3001687	1
10-pos.	gray	**FTPR-2/10**	3001688	1
11-pos.	gray	**FTPR-2/11**	3001689	1
12-pos.	gray	**FTPR-2/12**	3001690	1
13-pos.	gray	**FTPR-2/13**	3001691	1
14-pos.	gray	**FTPR-2/14**	3001692	1
15-pos.	gray	**FTPR-2/15**	3001693	1
16-pos.	gray	**FTPR-2/16**	3001694	1
17-pos.	gray	**FTPR-2/17**	3001696	1
18-pos.	gray	**FTPR-2/18**	3001697	1
19 pos.	gray	**FTPR-2/19**	3001698	1
20-pos.	gray	**FTPR-2/20**	3001699	1
21-pos.	gray	**FTPR-2/21**	3001700	1
22-pos.	gray	**FTPR-2/22**	3001701	1
23-pos.	gray	**FTPR-2/23**	3001702	1
24-pos.	gray	**FTPR-2/24**	3001703	1
25-pos.	gray	**FTPR-2/25**	3001704	1

Ordering data

Type	Order No.	Pcs./Pkt.
FTP-2/4	3001706	1
FTP-2/5	3001707	1
FTP-2/6	3001708	1
FTP-2/7	3001709	1
FTP-2/8	3001710	1
FTP-2/9	3001711	1
FTP-2/10	3001712	1
FTP-2/11	3001713	1
FTP-2/12	3001714	1
FTP-2/13	3001715	1
FTP-2/14	3001716	1
FTP-2/15	3001717	1
FTP-2/16	3001719	1
FTP-2/17	3001720	1
FTP-2/18	3001722	1
FTP-2/19	3001723	1
FTP-2/20	3001724	1
FTP-2/21	3001725	1
FTP-2/22	3001726	1
FTP-2/23	3001727	1
FTP-2/24	3001728	1
FTP-2/25	3001729	1

Accessories

Fork-type cable lug, insulated, in accordance with UL	red	**C-FCI 1,5/M3**	3240032	100
	blue	**C-FCI 2,5/M3**	3240037	100
Ring cable lug, insulated, in accordance with UL	red	**C-RCI 1,5/M3**	3240016	100
	blue	**C-RCI 2,5/M3**	3240021	100
Marking		**UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)**		

Accessories

C-FCI 1,5/M3	3240032	100
C-FCI 2,5/M3	3240037	100
C-RCI 1,5/M3	3240016	100
C-RCI 2,5/M3	3240021	100
UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)		

Order example: Configurable test plug with rotary handle function

To ensure that your order is correct, you need a defined view of how everything is counted. This is achieved when the status window in the top view is located on the left-hand side. Position 1 then is on the left.
Each position of a test plug is described by a contact tab feature that is to be selected. The following features are possible:

S	Short contact tab, gray
M	Medium contact tab, gray
L	Long contact tab, gray
LGN	Long contact tab, green
N	No contact tab, gray

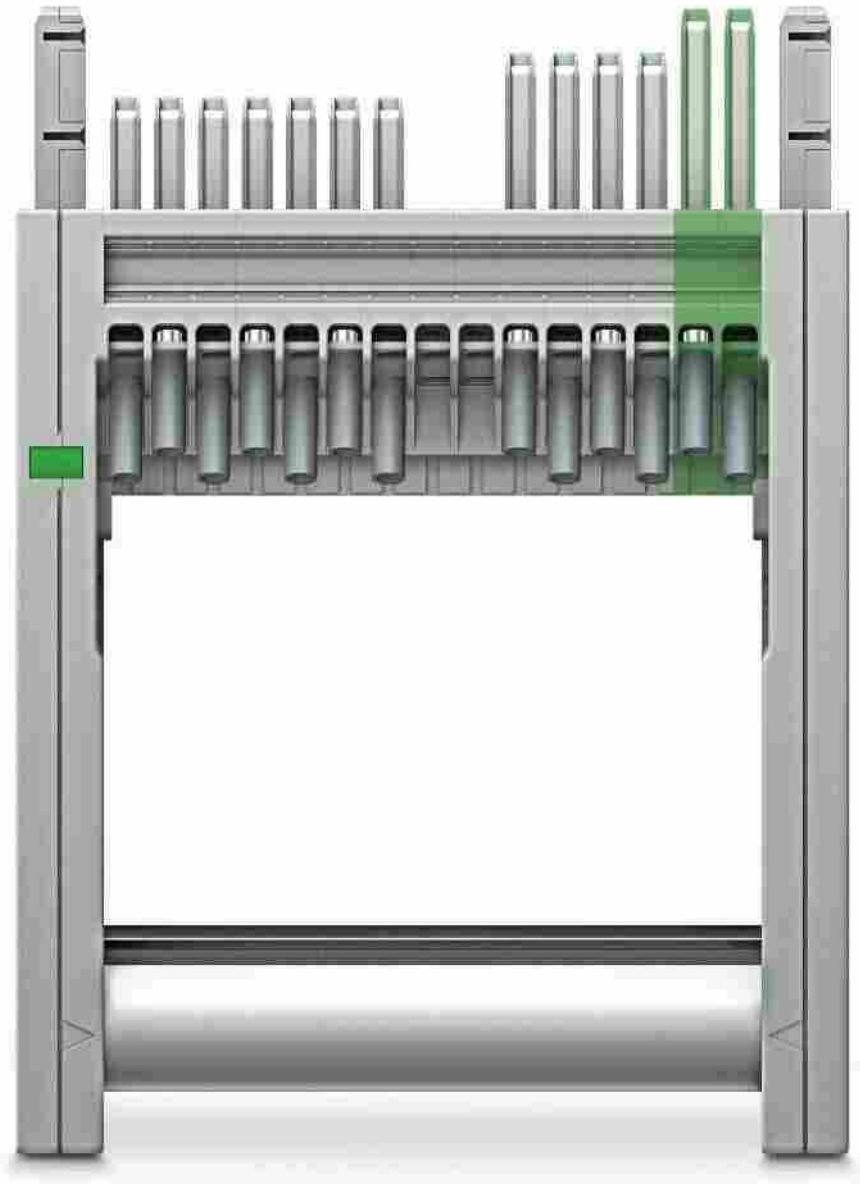
Each position with a contact tab comes fitted with two gray test sockets.

Ordering example:
A 15-pos. test plug with rotary handle needs to be configured as follows:

Pos. 1 Short contact tab, gray
Pos. 2 Short contact tab, gray
Pos. 3 Short contact tab, gray
Pos. 4 Short contact tab, gray
Pos. 5 Short contact tab, gray
Pos. 6 Short contact tab, gray
Pos. 7 Short contact tab, gray
Pos. 8 No contact tab, gray
Pos. 9 No contact tab, gray
Pos. 10 Medium contact tab, gray
Pos. 11 Medium contact tab, gray
Pos. 12 Medium contact tab, gray
Pos. 13 Medium contact tab, gray
Pos. 14 Long contact tab, green
Pos. 15 Long contact tab, green

The order data for this ordering example is therefore:

Order No.	Pos. 1	Pos. 2	Pos. 3	Pos. 4	Pos. 5	Pos. 6	Pos. 7	Pos. 8	Pos. 9	Pos. 10	Pos. 11	Pos. 12	Pos. 13	Pos. 14	Pos. 15
3001693	S	S	S	S	S	S	S	N	N	M	M	M	M	LGN	LGN



Service test plugs, FBP-2/... blind plugs

- The service test plug is available in 1-pos. and 4-pos. versions without side flanges
- Free positioning on the test terminal strip for special measuring tasks
- Additional assembly with bridges and test sockets
- During normal operation, the blind plug acts as a protective cover for the test terminal strip and can be sealed as an option

Service test plug 1 ... 4-pos.

Blind plug 4 ... 25-pos.

Technical data

Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		24	**400**	**0.5 - 2.5**	**-**
Rated data		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400	-	-	-
Nominal current / cross section	[A] / [mm²]	24 / 2.5	-	-	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	20 - 14	-	-	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	-	0.5 - 2.5	-	-
General data					
Tightening torque: test socket screw	[Nm]	0.5 - 0.6			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Technical data

			max. Ø [mm²]	AWG (UL)
			-	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7	
-	-	-	-	
- / -	-	-	-	
-	-	-	-	
-	-	-	-	
Rigid	Flexible	Ferrule without/with plastic sleeve		
-	-	-	-	
-				
PA				
V0				

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Service test plug, 1-pos., with test sockets	red	**FTP-2/1 SERVICE**	3069469	1
2-pos., without test sockets	red	**FTP-2/2 SERVICE**	3069464	1
3-pos., without test sockets	red	**FTP-2/3 SERVICE**	3069465	1
4-pos., without test sockets	red	**FTP-2/4 SERVICE**	3069468	1
Blind plug, 4-pos.	gray			
5-pos.	gray			
6-pos.	gray			
7-pos.	gray			
8-pos.	gray			
9-pos.	gray			
10-pos.	gray			
11-pos.	gray			
12-pos.	gray			
13-pos.	gray			
14-pos.	gray			
15-pos.	gray			
16-pos.	gray			
17-pos.	gray			
18-pos.	gray			
19 pos.	gray			
20-pos.	gray			
21-pos.	gray			
22-pos.	gray			
23-pos.	gray			
24-pos.	gray			
25-pos.	gray			
Isolating plug, 1-pos.	green	**FIP-3/1 SERVICE**	3069921	1

Ordering data

Type	Order No.	Pcs./Pkt.
FBP-2/4	3069875	1
FBP-2/5	3069876	1
FBP-2/6	3069877	1
FBP-2/7	3069878	1
FBP-2/8	3069879	1
FBP-2/9	3069880	1
FBP-2/10	3069881	1
FBP-2/11	3069882	1
FBP-2/12	3069883	1
FBP-2/13	3069884	1
FBP-2/14	3069885	1
FBP-2/15	3069886	1
FBP-2/16	3069887	1
FBP-2/17	3069888	1
FBP-2/18	3069889	1
FBP-2/19	3069890	1
FBP-2/20	3069891	1
FBP-2/21	3069892	1
FBP-2/22	3069893	1
FBP-2/23	3069894	1
FBP-2/24	3069895	1
FBP-2/25	3069896	1

Accessories

Lateral groove labeling

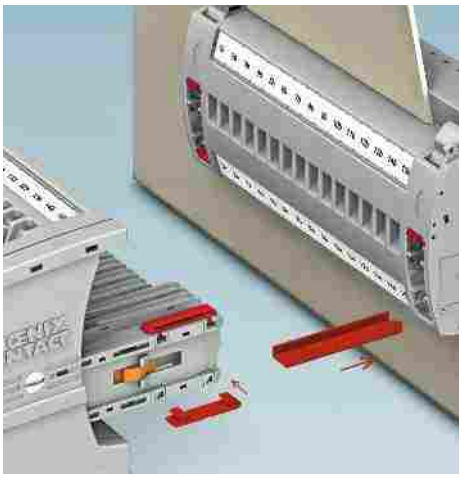
Accessories

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)

Accessories

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)

PC ...-TRI coding profile set



- The coding profile set can be used to assign test terminal strips and test plugs in accordance with the specific application
- Maximum safety is therefore ensured for all testing tasks

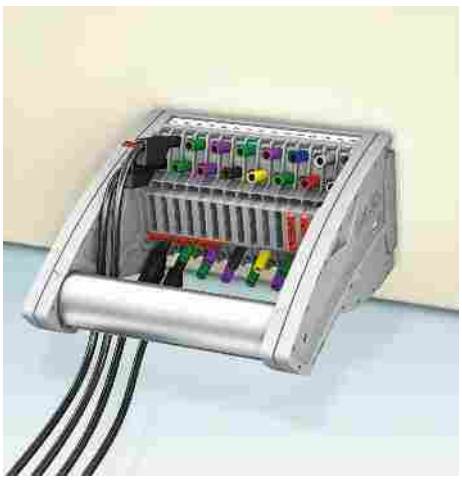
Technical data

General data	
Material	PA
Flammability rating in accordance with UL 94	V0

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Coding profile set, for test terminal strip	red	**PC-UTWE-TRI**	3069897	50
Coding profile set, for FTP-2 and FTPR-2 test plugs and FBP-2 blind plugs	red	**PC-FTP-TRI**	3069898	50

Colored PSBJ ... test sockets

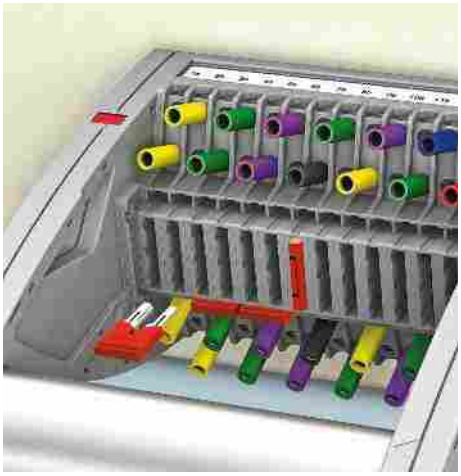


- 4 mm safety test leads with fixed insulation in accordance with EN 61010−031 CAT III and CAT IV up to 1000 V can be coded in true color
- Additional test leads, assembled with ring and fork-type cable lugs (see accessories, e.g., page 624) can be attached with test sockets

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Test socket, insulated				
	transparent	**PSBJ-URTK 6 FARBLOS**	3026450	10
	red	**PSBJ-URTK 6 RD**	3026719	10
	blue	**PSBJ-URTK 6 BU**	3026434	10
	yellow	**PSBJ-URTK 6 YE**	3026405	10
	green	**PSBJ-URTK 6 GN**	3026418	10
	violet	**PSBJ-URTK 6 VT**	3026421	10
	black	**PSBJ-URTK 6 BK**	3026447	10
	gray	**PSBJ-URTK 6 GY**	3026612	10
	brown	**PSBJ-URTK 6 BN**	3026971	10
	white	**PSBJ-URTK 6 WH**	3026448	10

Bridge, red, 8.2 mm pitch, FBS ...



– The FBS ...-8 plug-in bridges are used for short-circuiting, as star-point bridges, and also to establish grounding in connection with a PE modular terminal block on the terminal strip

When using bridges in conjunction with the FAME plug-in test system, the maximum permissible bridge current is 24 A.

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Plug-in bridge			
2-pos.	**FBS 2-8**	3030284	10
3-pos.	**FBS 3-8**	3030297	10
4-pos.	**FBS 4-8**	3030307	10
5-pos.	**FBS 5-8**	3030310	10
6-pos.	**FBS 6-8**	3032470	10
10-pos.	**FBS 10-8**	3030323	10

Plug-in bridge with and without extraction tool, red, 8.2 mm pitch, FBSRH ...

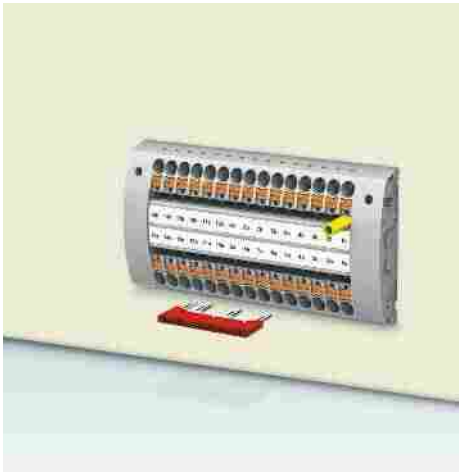
– The FBSRH ...-8 bridges have a molded extraction tool which means that they can be used conveniently and without tools for individual bridging tasks. This enables a transformer short circuit to be created in measuring transducer disconnect terminal blocks, for example

When using bridges in conjunction with the FAME plug-in test system, the maximum permissible bridge current is 24 A.

Plug-in bridge, with and without extraction tool

Description	Ordering data		
	Type	Order No.	Pcs./Pkt.
Bridge, with extraction tool			
2-pos.	**FBSRH 2-8**	3033802	10
3-pos.	**FBSRH 3-8**	3033803	10
4-pos.	**FBSRH 4-8**	3033804	10
Plug-in bridge			
2-pos.	**FBSR 2-8**	3033808	10
3-pos.	**FBSR 3-8**	3001597	10
4-pos.	**FBSR 4-8**	3000585	10
5-pos.	**FBSR 5-8**	3033809	10
10-pos.	**FBSR 10-8**	3001599	10
16-pos.	**FBSR 16-8**	3033816	10

Pre-assembled bridge, red, 8.2 mm pitch



– Plug-in star-point bridges or bridges for bridging several positions can be supplied pre-configured without additional expense
– The bridges are printed and provide unique identification for bridging between non-adjacent terminal blocks

When using bridges in conjunction with the FAME plug-in test system, the maximum permissible bridge current is 24 A.

Ordering data

Description	Type	Order No.	Pcs./Pkt.
Pre-assembled bridge, labeled			
3-pos., positions 1, 3	**FBS 1/3-8**	3032363	10
4-pos., positions 1, 4	**FBS 1/4-8**	3032376	10
5-pos., positions 1, 3, 5	**FBS 1/3/5-8**	3032389	10
10-pos., positions 1, 4, 7, 10	**FBS 1/4/7/10-8**	3032402	10

Cover profiles for test plug or test terminal strip mounted on DIN rail

– The AP-FTP cover profile prevents undesired changes to the star point, feed-through, and short-circuit bridges on the completely assembled test plug
– To mount, gently release the side screw connection of the plug and snap the profile into place
– The APH-ME cover profile carrier is used in conjunction with the AP-ME cover for the DIN rail mounted test disconnect socket

Technical data

General data	
Material	PVC

Ordering data

Description	Color	Type		Order No.	Pcs./Pkt.
Cover profile, supply length 1 m	transparent	**AP-FTP**	**METER**	3069899	1
Cover profile, supply length 1 m	transparent	**AP-ME**	**METER**	3034361	10
Cover profile, supply length 1 m	transparent	**AP RSC-T**		3059139	10
Cover profile carrier, sealable, for AP-ME cover profile	gray	**APH-ME**		3034374	10
Cover profile holder, can be snapped on and sealed	gray	**APH-UTWE 6-2**		3069057	10

Test disconnect sockets and test plugs, VDE-coded

Notes:
To create panel cutouts, see phoenixcontact.net/products.
For circuit diagrams of the test plugs, visit phoenixcontact.net/products.
1) Derating curve available on request.
2) Test surge voltage 5 kV.

6 (10) mm², 30 A, test disconnect socket, for wall mounting, VDE-coded

6 (10) mm², 30 A, test disconnect socket, for DIN rail mounting, VDE-coded

EAC

EAC

Technical data

Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30	**400²)**	**0.5 - 10**	**20-8**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400²)	300	600	-
Nominal current / cross section	[A] / [mm²]	24¹) / 6	10	20 / -	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	20 - 8	20-8	20-8	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
Connection cross sections directly plug-in	[mm²]	1 - 10	-	1 - 6	1 - 6
General data					
Stripping length	[mm]	12			
Tightening torque for wall fastening	[Nm]	0.8 - 1			
Panel thickness	[mm]	1 - 4			
Tightening torque: test socket screw	[Nm]	-			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Technical data

Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30	**400²)**	**0.5 - 10**	**20-8**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400²)	300	600	-
Nominal current / cross section	[A] / [mm²]	24¹) / 6	10	20 / -	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	20 - 8	20-8	20-8	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.5 - 10	0.5 - 6	0.5 - 6	0.5 - 6
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 1.5
Connection cross sections directly plug-in	[mm²]	1 - 10	-	1 - 6	1 - 6
General data					
Stripping length	[mm]	12			
Tightening torque for wall fastening	[Nm]	-			
Panel thickness	[mm]	-			
Tightening torque: test socket screw	[Nm]	-			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

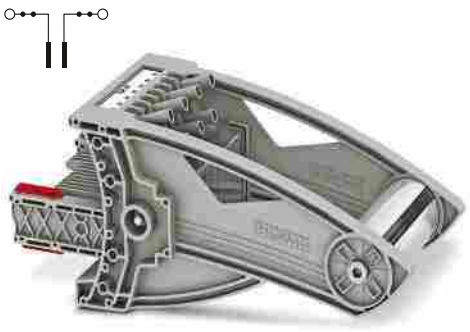
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Push-in connection, A7	gray	**PTWE 6-2/A7**	3069436	1
B7	gray	**PTWE 6-2/B7**	3069437	1
E7	gray	**PTWE 6-2/E7**	3069438	1
A14	gray	**PTWE 6-2/A14**	3069439	1
B14	gray	**PTWE 6-2/B14**	3069440	1
C14	gray	**PTWE 6-2/C14**	3069441	1
B19	gray	**PTWE 6-2/B19**	3069442	1
C19	gray	**PTWE 6-2/C19**	3069443	1
D19	gray	**PTWE 6-2/D19**	3069444	1
F19	gray	**PTWE 6-2/F19**	3069445	1
G19	gray	**PTWE 6-2/G19**	3069446	1
H19	gray	**PTWE 6-2/H19**	3069447	1
I19	gray	**PTWE 6-2/I19**	3069448	1
Screw connection, A7	gray	**UTWE 6-2/A7**	3069410	1
B7	gray	**UTWE 6-2/B7**	3069411	1
E7	gray	**UTWE 6-2/E7**	3069412	1
A14	gray	**UTWE 6-2/A14**	3069413	1
B14	gray	**UTWE 6-2/B14**	3069414	1
C14	gray	**UTWE 6-2/C14**	3069415	1
B19	gray	**UTWE 6-2/B19**	3069416	1
C19	gray	**UTWE 6-2/C19**	3069417	1
D19	gray	**UTWE 6-2/D19**	3069418	1
F19	gray	**UTWE 6-2/F19**	3069419	1
G19	gray	**UTWE 6-2/G19**	3069420	1
H19	gray	**UTWE 6-2/H19**	3069421	1
I19	gray	**UTWE 6-2/I19**	3069422	1
Service test plug, 1-pos., with test sockets	red			

Ordering data

Type	Order No.	Pcs./Pkt.
PTRE 6-2/A7	3069449	1
PTRE 6-2/B7	3069450	1
PTRE 6-2/E7	3069451	1
PTRE 6-2/A14	3069452	1
PTRE 6-2/B14	3069453	1
PTRE 6-2/C14	3069454	1
PTRE 6-2/B19	3069455	1
PTRE 6-2/C19	3069456	1
PTRE 6-2/D19	3069457	1
PTRE 6-2/F19	3069458	1
PTRE 6-2/G19	3069459	1
PTRE 6-2/H19	3069460	1
PTRE 6-2/I19	3069461	1
UTRE 6-2/A7	3069423	1
UTRE 6-2/B7	3069424	1
UTRE 6-2/E7	3069425	1
UTRE 6-2/A14	3069426	1
UTRE 6-2/B14	3069427	1
UTRE 6-2/C14	3069428	1
UTRE 6-2/B19	3069429	1
UTRE 6-2/C19	3069430	1
UTRE 6-2/D19	3069431	1
UTRE 6-2/F19	3069432	1
UTRE 6-2/G19	3069433	1
UTRE 6-2/H19	3069434	1
UTRE 6-2/I19	3069435	1

24 A, test plug, with rotary handle, VDE-coded



24 A, test plug, with standard handle, VDE-coded

Blind plug, sealable, VDE-coded

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**400**	**0.5 - 2.5**	**-**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
24 / 2.5	-	-	-
6	-	-	-
20 - 14	-	-	-

Rigid	Flexible	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-

-	
-	
-	
0.5 - 0.6	
PA	
V0	

Ordering data

Type	Order No.	Pcs./Pkt.
FTPR-2/A7	3069484	1
FTPR-2/B7	3069485	1
FTPR-2/E7	3069486	1
FTPR-2/A14	3069487	1
FTPR-2/B14	3069488	1
FTPR-2/C14	3069489	1
FTPR-2/B19	3069490	1
FTPR-2/C19	3069491	1
FTPR-2/D19	3069492	1
FTPR-2/F19	3069493	1
FTPR-2/G19	3069494	1
FTPR-2/H19	3069495	1
FTPR-2/I19	3069496	1
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FTPR-2/B7	3069485	1
FTPR-2/E7	3069486	1
FTPR-2/A14	3069487	1
FTPR-2/B14	3069488	1
FTPR-2/C14	3069489	1
FTPR-2/B19	3069490	1
FTPR-2/C19	3069491	1
FTPR-2/D19	3069492	1
FTPR-2/F19	3069493	1
FTPR-2/G19	3069494	1
FTPR-2/H19	3069495	1
FTPR-2/I19	3069496	1

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**400**	**0.5 - 2.5**	**-**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
24 / 2.5	-	-	-
6	-	-	-
20 - 14	-	-	-

Rigid	Flexible	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
-	-	-	-
-	-	-	-

-	
-	
-	
0.5 - 0.6	
PA	
V0	

Ordering data

Type	Order No.	Pcs./Pkt.
FTP-2/A7	3069470	1
FTP-2/B7	3069471	1
FTP-2/E7	3069472	1
FTP-2/A14	3069474	1
FTP-2/B14	3069475	1
FTP-2/C14	3069476	1
FTP-2/B19	3069477	1
FTP-2/C19	3069478	1
FTP-2/D19	3069479	1
FTP-2/F19	3069480	1
FTP-2/G19	3069481	1
FTP-2/H19	3069482	1
FTP-2/I19	3069483	1
FTP-2/A7	3069470	1
FTP-2/B7	3069471	1
FTP-2/E7	3069472	1
FTP-2/A14	3069474	1
FTP-2/B14	3069475	1
FTP-2/C14	3069476	1
FTP-2/B19	3069477	1
FTP-2/C19	3069478	1
FTP-2/D19	3069479	1
FTP-2/F19	3069480	1
FTP-2/G19	3069481	1
FTP-2/H19	3069482	1
FTP-2/I19	3069483	1
FTP-2/1 SERVICE	3069469	1

Technical data

		max. Ø [mm²]	AWG (UL)
		-	**-**

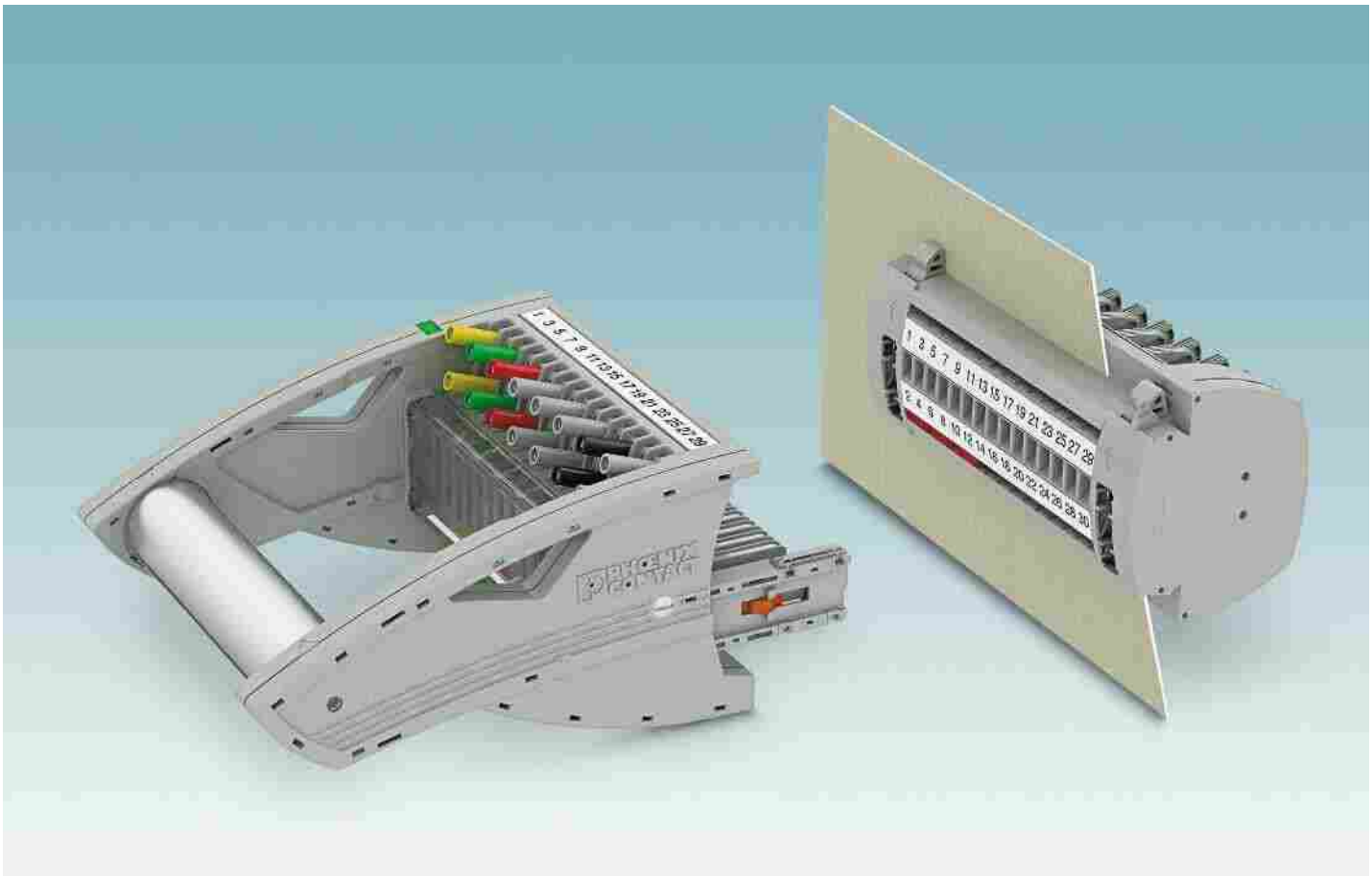
IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	-	-
-	-	-	-
-	-	-	-

Rigid	Flexible	Ferrule without/with plastic sleeve	
-	-	-	-
-	-	-	-
-	-	-	-

-	
-	
-	
-	
PA	
V0	

Ordering data

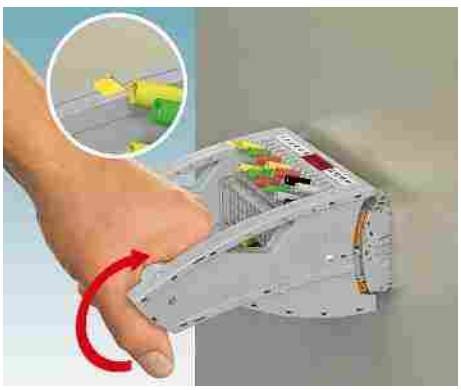
Type	Order No.	Pcs./Pkt.
FBP-2/A7	3069497	1
FBP-2/B7	3069498	1
FBP-2/E7	3069499	1
FBP-2/A14	3069500	1
FBP-2/B14	3069501	1
FBP-2/C14	3069502	1
FBP-2/B19	3069503	1
FBP-2/C19	3069504	1
FBP-2/D19	3069671	1
FBP-2/F19	3069675	1
FBP-2/G19	3069676	1
FBP-2/H19	3069677	1
FBP-2/I19	3069678	1
FBP-2/A7	3069497	1
FBP-2/B7	3069498	1
FBP-2/E7	3069499	1
FBP-2/A14	3069500	1
FBP-2/B14	3069501	1
FBP-2/C14	3069502	1
FBP-2/B19	3069503	1
FBP-2/C19	3069504	1
FBP-2/D19	3069671	1
FBP-2/F19	3069675	1
FBP-2/G19	3069676	1
FBP-2/H19	3069677	1
FBP-2/I19	3069678	1



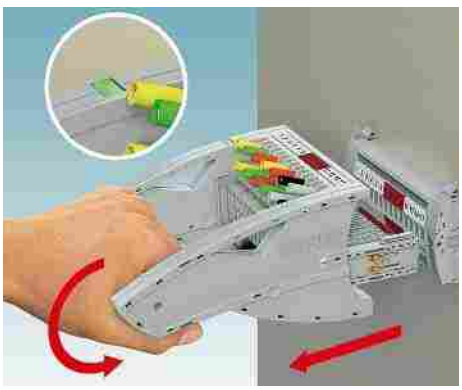
FAME 3 combines complex switching operations for function tests of current and voltage transformers, as well as tripping and signal contacts, in separate compact and space-saving blocks. The system operates in accordance with the N/C contact principle. An operating plug is not required. The automatic transformer short circuit function is ensured with plug-in bridges in the test disconnect socket.

Your web code: #0131

The test plug is inserted fully and engages securely. The display window turns red. All test contacts are contacted in accordance with the test setup.



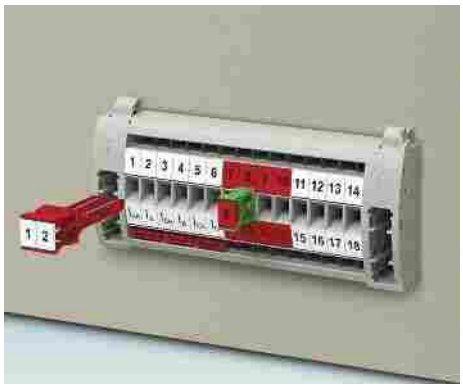
The rotary handle is turned upward as far as it will go. The display window turns yellow. The test contacts are once again through-connected to the protective device.



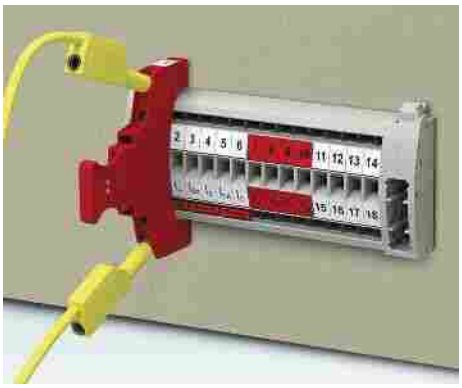
The rotary handle must be turned back to its starting position. The display window turns green. Now the mechanism releases the plug so it can be fully removed.

Defined, mechanically supported removal of the patented test plug from the test block. Optical display and forced locking in the various switch positions.

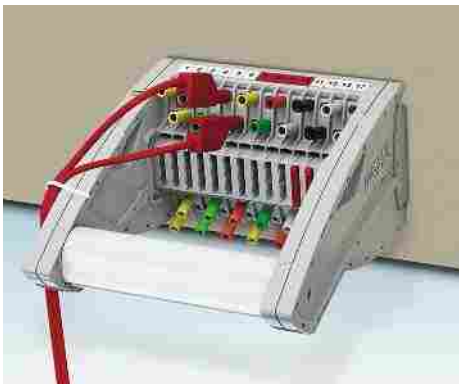
Automatic, leading transformer short circuit implemented with standard plug-in bridges in the test disconnect socket. Short-circuit bridges are designed to be touch-proof. Their positioning on the outside of the control cabinet is clearly visible.



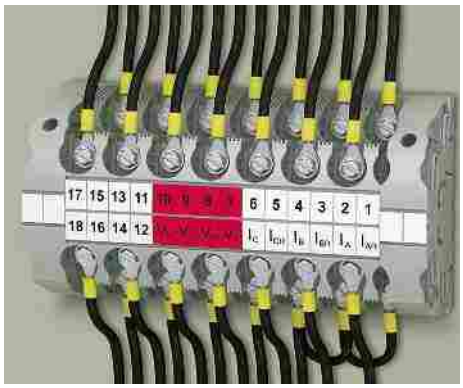
Service connectors are available with varying numbers of positions for special switching operations. A sealable, transparent cover protects against unauthorized actuation.



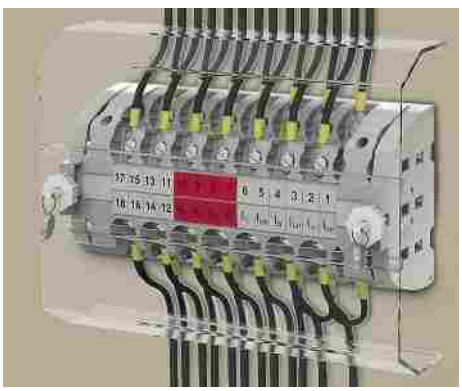
For special test processes you will receive service connectors with 4 mm test sockets with various numbers of positions. The test sockets can be used to connect equipment with safety test cables, e.g., measuring instruments.



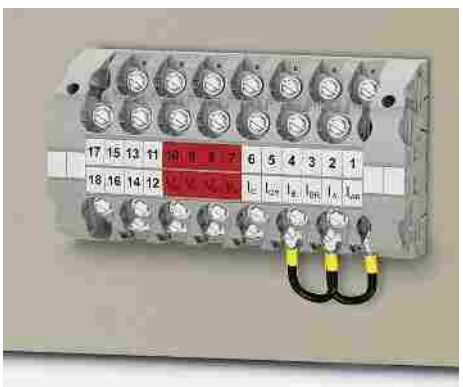
Space saving, thanks to offset test socket arrangements. The test cables can be easily fixed in place with cable ties.



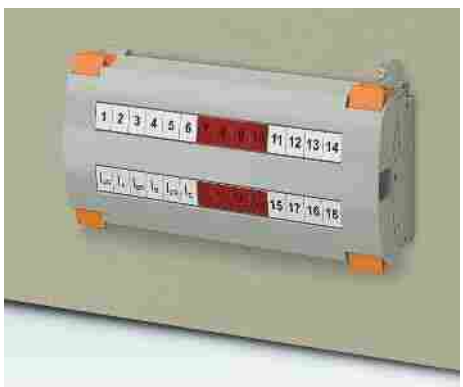
The test disconnect sockets feature screw connection technology for ring and fork-type cable lugs.



The test disconnect socket can be optionally protected against unauthorized actuation inside the control cabinet by means of a sealable cover.

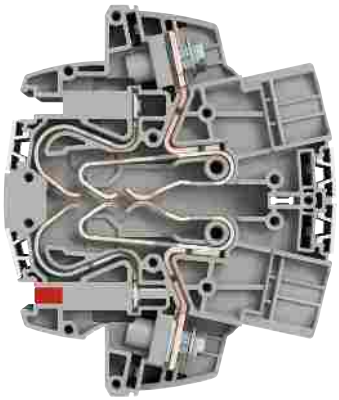


Star point bridging is easily implemented by means of wire bridges on the inside of the control cabinet.



The robust latching of the cover for the test disconnect sockets can only be released with two-hand operation. The optional seal protects against unauthorized actuation.

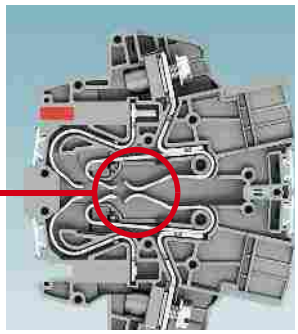
FAME 3
Modular plug-in test system without operating plug and transformer short circuit in the plug-in test socket



The switch contact in the plug-in test socket is a N/C contact. In normal operation the contact is closed.

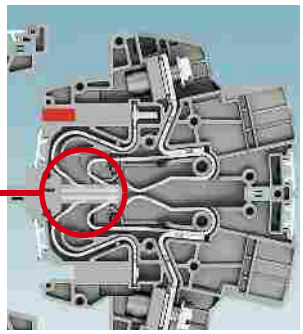
Normal operation

Closed switch contact



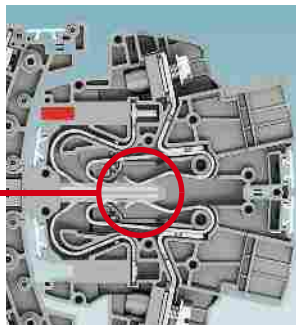
Transformer short circuit

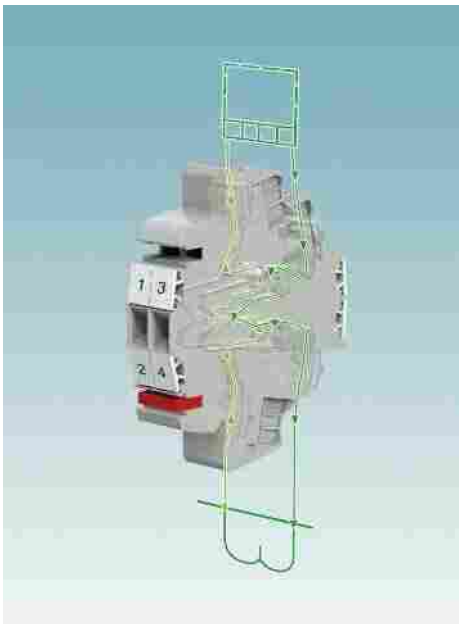
Leading short circuit by means of auxiliary contact

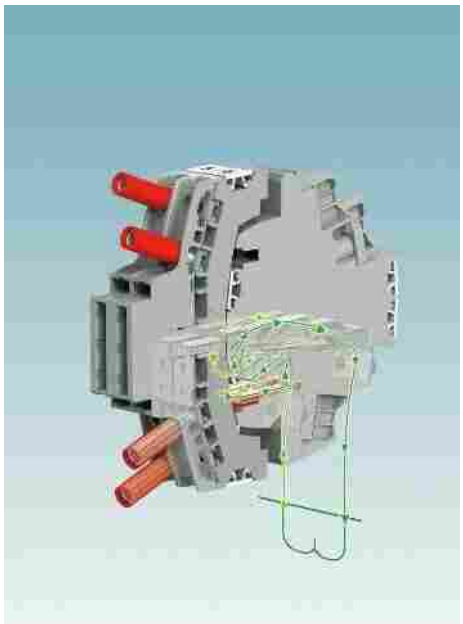


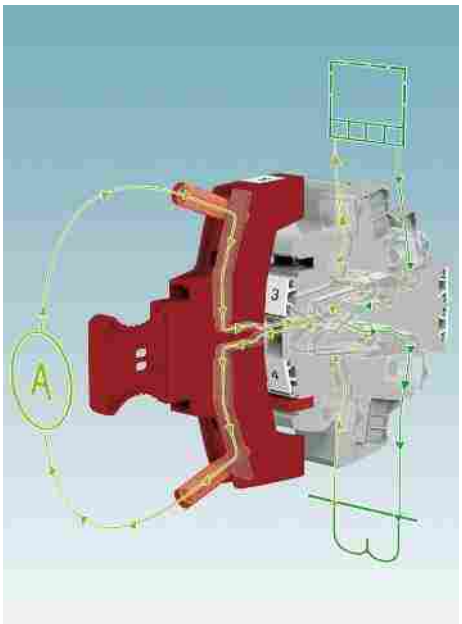
Test operation

Switch contact connected via test socket









Normal operation

The N/C contact function enables normal operation without an additional operating plug. If desired, the plug-in zone can be covered and sealed with a blind plug to prevent unauthorized access.

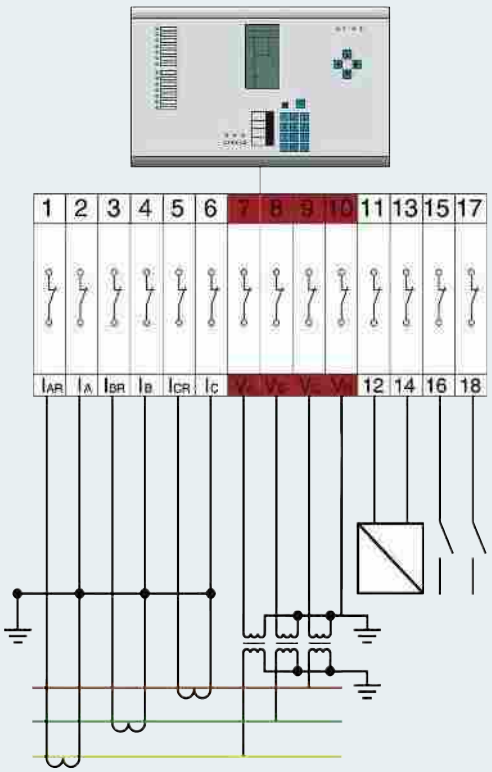
Transformer short circuit

When replacing the protective device or in the case of a relay test, the current transformer can be short circuited upstream of the signal splitting by inserting a plug-in bridge in the plug-in test socket crossways. The short circuit occurs automatically when the test plug is inserted.

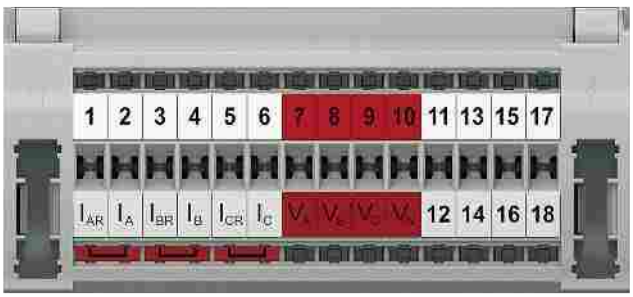
Test operation

If you use the single-position service plug, you can simply loop the test equipment into the current path via the 4 mm test sockets.

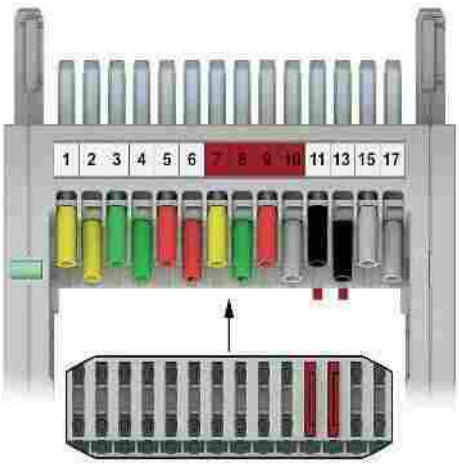
Mains protection – Circuit example with star point grounding in the plug-in test socket



Plug-in test socket with current transformer, voltage transducer, and signals



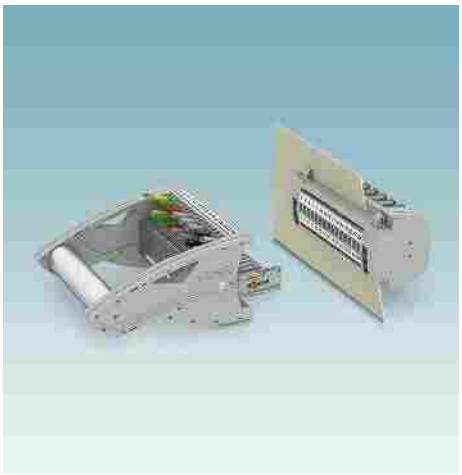
Test plug with current transformer, voltage transducer, and signals



Plug-in test socket, blind plug		
Type	**Order No.**	**Required quantity**
RSCWE 6-3/14	3969928	1
FBP 2/15	3069885	1
Plug-in bridge		
FBS 2-8	3030284	3

Test plug			
Type		**Order No.**	**Required quantity**
Rotary handle	FTPR 3/14S	3069957	1
Standard handle	FTP 3/14S	3069953	1
Plug-in bridge			
	FBS 3-8	3030297	2

Test disconnect sockets and test plugs, with ring cable lug connection



The modular FAME measuring transducer test system enables all transformer testing tasks to be carried out quickly and safely. The transformer is short-circuited and the test device is looped in automatically when inserted.

– The test terminal strips can be used universally for current and voltage transducers
– The test disconnect socket is mounted in the control cabinet door to save space
– Signal and status messages can be wired in combination in a test terminal strip
– The correct switching sequence when removing the test plug is ensured by a locking device and a mechanical drive in the rotary handle
– All test signals are connected with touch-proof safety test cables (CAT III and CAT IV/1000 V in accordance with EN 61010-031)
– Star points of the current transformers can easily be created with wire bridges on the rear of the test disconnect socket
– You can find corresponding accessories from page 638

Notes:

[1]) Derating curve available on request.

[2]) Test surge voltage 5 kV.

30 A, plug-in test socket, wall mounting

Technical data

Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30	**400[2])**	**0.5 - 10**	**20-8**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[2])	600	600	-
Nominal current / cross section	[A] / [mm²]	24[1]) / 6	31	31 / -	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	24 - 8	20-8	20-8	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.5 - 10			
Connection bolt / hole diameter / width	[mm]	4.1 / 4.3 / 8			
Connection capacity, DIN 46237					
Cable lugs DIN 46237	[mm²]	0.5 - 10			
Connection bolt / hole diameter / width	[mm]	4.1 / 4.3 / 8			
Color code	red	1.00 mm²			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Stripping length	[mm]	12			
Tightening torque	[Nm]	1.5 - 1.8			
Tightening torque for wall fastening	[Nm]	0.8 - 1			
Panel thickness	[mm]	1 - 4			
Tightening torque: test socket screw	[Nm]	-			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

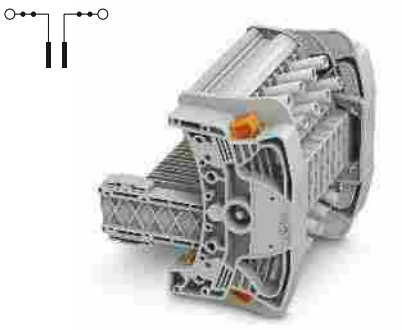
Description	Color	Type	Order No.	Pcs./Pkt.
Test disconnect socket, 2-pos.	gray	**RSCWE 6-3/2**	3969917	1
3-pos.	gray	**RSCWE 6-3/3**	3969918	1
4-pos.	gray	**RSCWE 6-3/4**	3969920	1
5-pos.	gray	**RSCWE 6-3/5**	3969921	1
6-pos.	gray	**RSCWE 6-3/6**	3969922	1
7-pos.	gray	**RSCWE 6-3/7**	3969923	1
8-pos.	gray	**RSCWE 6-3/8**	3969924	1
9-pos.	gray	**RSCWE 6-3/9**	3969925	1
10-pos.	gray	**RSCWE 6-3/10**	3969926	1
11-pos.	gray	**RSCWE 6-3/11**	3969915	1
12-pos.	gray	**RSCWE 6-3/12**	3969927	1
13-pos.	gray	**RSCWE 6-3/13**	3969916	1
14-pos.	gray	**RSCWE 6-3/14**	3969928	1
3 x 10-pos.	gray	**RSCWE 6-3/3X10**	3969929	1

Accessories

Spacer plate, width: 8.2 mm	gray	**DP-RSCWE 6-3**	3069314	1
Shoulder bag, for FAME connectors	black			
Screwdriver		**SF-SL 0,8X4,0-100**	1212551	10
Lateral groove labeling		**UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)**		

20 A, test plug with rotary handle, 4 mm test sockets

20 A, test plug without rotary handle, 4 mm test socket



20 A, test plug, compact, incl. two test sockets per position

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400**	**0.5 - 2.5**	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
20 / 2.5	-	-	-
6	-	-	-
20 - 14	-	-	-
-			
- / - / -			
-			
- / - / -			
-			
-			
-			
-			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	Order No.	Pcs./Pkt.
FTPR-3/4S	3069954	1
FTPR-3/5S	3069965	1
FTPR-3/6S	3069966	1
FTPR-3/7S	3069967	1
FTPR-3/8S	3069968	1
FTPR-3/9S	3069969	1
FTPR-3/10S	3069955	1
FTPR-3/11S	3069970	1
FTPR-3/12S	3069956	1
FTPR-3/13S	3069971	1
FTPR-3/14S	3069957	1

Accessories

FAME-BAG 260	3069520	1

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400**	**0.5 - 2.5**	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
20 / 2.5	-	-	-
6	-	-	-
20 - 14	-	-	-
-			
- / - / -			
-			
- / - / -			
-			
-			
-			
-			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	Order No.	Pcs./Pkt.
FTP-3/4S	3069950	1
FTP-3/5S	3069958	1
FTP-3/6S	3069959	1
FTP-3/7S	3069960	1
FTP-3/8S	3069961	1
FTP-3/9S	3069962	1
FTP-3/10S	3069951	1
FTP-3/11S	3069963	1
FTP-3/12S	3069952	1
FTP-3/13S	3069964	1
FTP-3/14S	3069953	1

Accessories

FAME-BAG 260	3069520	1

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400**	**0.5 - 2.5**	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
20 / 2.5	-	- / -	-
6	-	-	-
20 - 14	-	-	-
-			
- / - / -			
-			
- / - / -			
-			
-			
-			
-			
0.5 - 0.6			
PA			
V0			

Ordering data

Type	Order No.	Pcs./Pkt.
FTPC-3/4S	3069930	1
FTPC-3/5S	3069935	1
FTPC-3/6S	3069936	1
FTPC-3/7S	3069937	1
FTPC-3/8S	3069938	1
FTPC-3/9S	3069939	1
FTPC-3/10S	3069931	1
FTPC-3/11S	3069940	1
FTPC-3/12S	3069933	1
FTPC-3/13S	3069941	1
FTPC-3/14S	3069932	1

Accessories

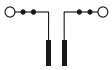
FAME-BAG 260	3069520	1

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)

Isolating and service test plugs

Specific test operations can be performed using service plugs

Isolating plug 1- ... 4-pos.



Service test plug 1- ... 4-pos.

Technical data

Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	20	**400**	**-**	**-**
Rated data	IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400	-	-	-
Nominal current / cross section [A] / [mm²]	20 / -	-	-	-
Rated cross section [mm²]	-	-	-	-
Cross section range AWG	-	-	-	-
Connection capacity	Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor [mm²]	-	-	-	-
General data				
Tightening torque: test socket screw [Nm]	-			
Insulating material	PA			
Flammability rating in accordance with UL 94	V0			

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**400**	**0.5 - 2.5**	**-**
IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
24 / 2.5	-	-	-
6	-	-	-
20 - 14	-	-	-
Rigid	Flexible	Ferrule without/with plastic sleeve	
-	0.5 - 2.5	-	-
0.5 - 0.6			
PA			
V0			

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Isolating plug, 1-pos.	green	**FIP-3/1 SERVICE**	3069921	1
2-pos.	red	**FIP-3/2 SERVICE**	3069920	1
3-pos.	red	**FIP-3/3 SERVICE**	3069312	1
4-pos.	red	**FIP-3/4 SERVICE**	3069313	1
Service test plug, 1-pos., with test sockets	red			
2-pos., without test sockets	red			
3-pos., without test sockets	red			
4-pos., without test sockets	red			

Ordering data

Type	Order No.	Pcs./Pkt.
FTP-2/1 SERVICE	3069469	1
FTP-2/2 SERVICE	3069464	1
FTP-2/3 SERVICE	3069465	1
FTP-2/4 SERVICE	3069468	1

Accessories

Lateral groove labeling

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)

Accessories

Cover profile and blind plugs

The sealable cover protects against unauthorized actuation

Transparent cover profile for use with isolating plugs

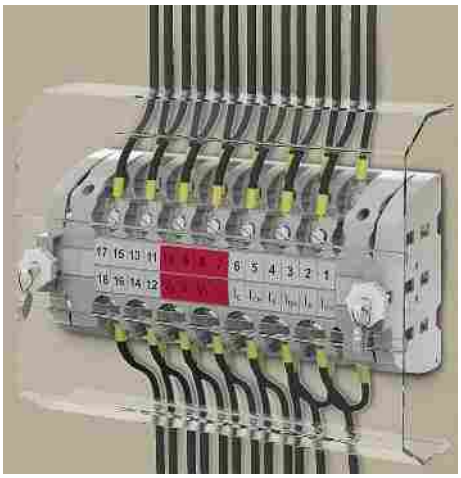
Blind plug 4- ... 14-pos.

	Technical data	Technical data
General data		
Insulating material	PVC	PA
Flammability rating in accordance with UL 94	V0	V0

		Ordering data			Ordering data		
Description	Color	Type	Order No.	Pcs./Pkt.	Type	Order No.	Pcs./Pkt.
Cover profile, sealable, 2-pos.	transparent	**FBP-3/2 TR**	3069926	1			
3-pos.	transparent	**FBP-3/3 TR**	3069927	1			
4-pos.	transparent	**FBP-3/4 TR**	3069922	1			
5-pos.	transparent	**FBP-3/5 TR**	3069928	1			
6-pos.	transparent	**FBP-3/6 TR**	3069929	1			
7-pos.	transparent	**FBP-3/7 TR**	3069945	1			
8-pos.	transparent	**FBP-3/8 TR**	3069946	1			
9-pos.	transparent	**FBP-3/9 TR**	3069947	1			
10-pos.	transparent	**FBP-3/10 TR**	3069924	1			
11-pos.	transparent	**FBP-3/11 TR**	3069948	1			
12-pos.	transparent	**FBP-3/12 TR**	3069923	1			
13-pos.	transparent	**FBP-3/13 TR**	3069934	1			
14-pos.	transparent	**FBP-3/14 TR**	3069925	1			
Blind plug, 4-pos.	gray				**FBP-2/4**	3069875	1
5-pos.	gray				**FBP-2/5**	3069876	1
6-pos.	gray				**FBP-2/6**	3069877	1
7-pos.	gray				**FBP-2/7**	3069878	1
8-pos.	gray				**FBP-2/8**	3069879	1
9-pos.	gray				**FBP-2/9**	3069880	1
10-pos.	gray				**FBP-2/10**	3069881	1
11-pos.	gray				**FBP-2/11**	3069882	1
12-pos.	gray				**FBP-2/12**	3069883	1
13-pos.	gray				**FBP-2/13**	3069884	1
14-pos.	gray				**FBP-2/14**	3069885	1

	Accessories	Accessories
Lateral groove labeling	**UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)**	**UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)**

Cover profile carrier



The test disconnect socket can be optionally protected against unauthorized actuation inside the control cabinet by means of a sealable cover.

Description	Color
Cover profile carrier, sealable	gray
Cover profile, supply length 1 m	transparent
Cover profile, supply length 1 m	transparent

Ordering data

Type	Order No.	Pcs./Pkt.
APH-RSCWE 6-3 CARRIER	3069058	10
AP-ME METER	3034361	10
AP RSC-T	3059139	10

Cover profiles for test plug or test terminal strip mounted on DIN rail

- The AP−FTP cover profile prevents undesired changes to the star point, feed-through, and short-circuit bridges on the completely assembled test plug
- To mount, gently release the side screw connection of the plug and snap the profile into place
- The APH−ME cover profile carrier is used in conjunction with the AP−ME cover for the DIN rail mounted test disconnect socket

Technical data

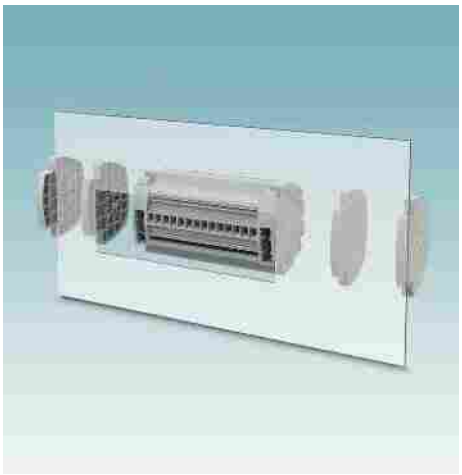
General data	
Material	PVC

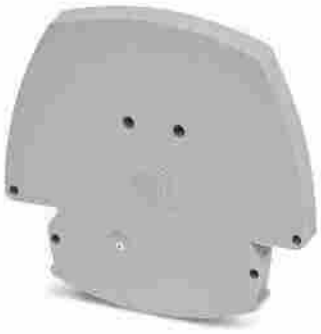
Ordering data

Description	Color
Cover profile, supply length 1 m	transparent
Cover profile, supply length 1 m	transparent
Cover profile, supply length 1 m	transparent
Cover profile carrier, sealable, for AP-ME cover profile	gray
Cover profile holder, can be snapped on and sealed	gray

Type	Order No.	Pcs./Pkt.
AP-FTP METER	3069899	1
AP-ME METER	3034361	10
AP RSC-T	3059139	10
APH-ME	3034374	10
APH-UTWE 6-2	3069057	10

Spacer plate

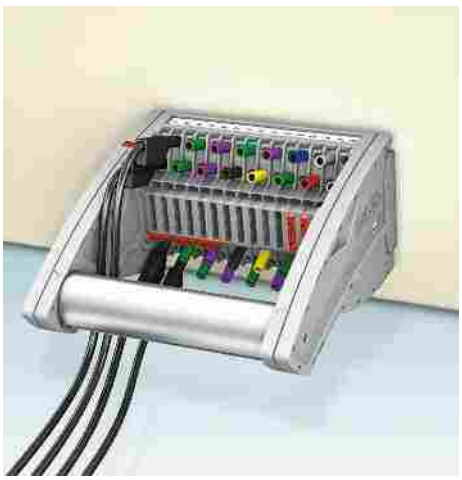




The optional latching panel inserts allow the test disconnect sockets to be installed in existing panel cutouts.

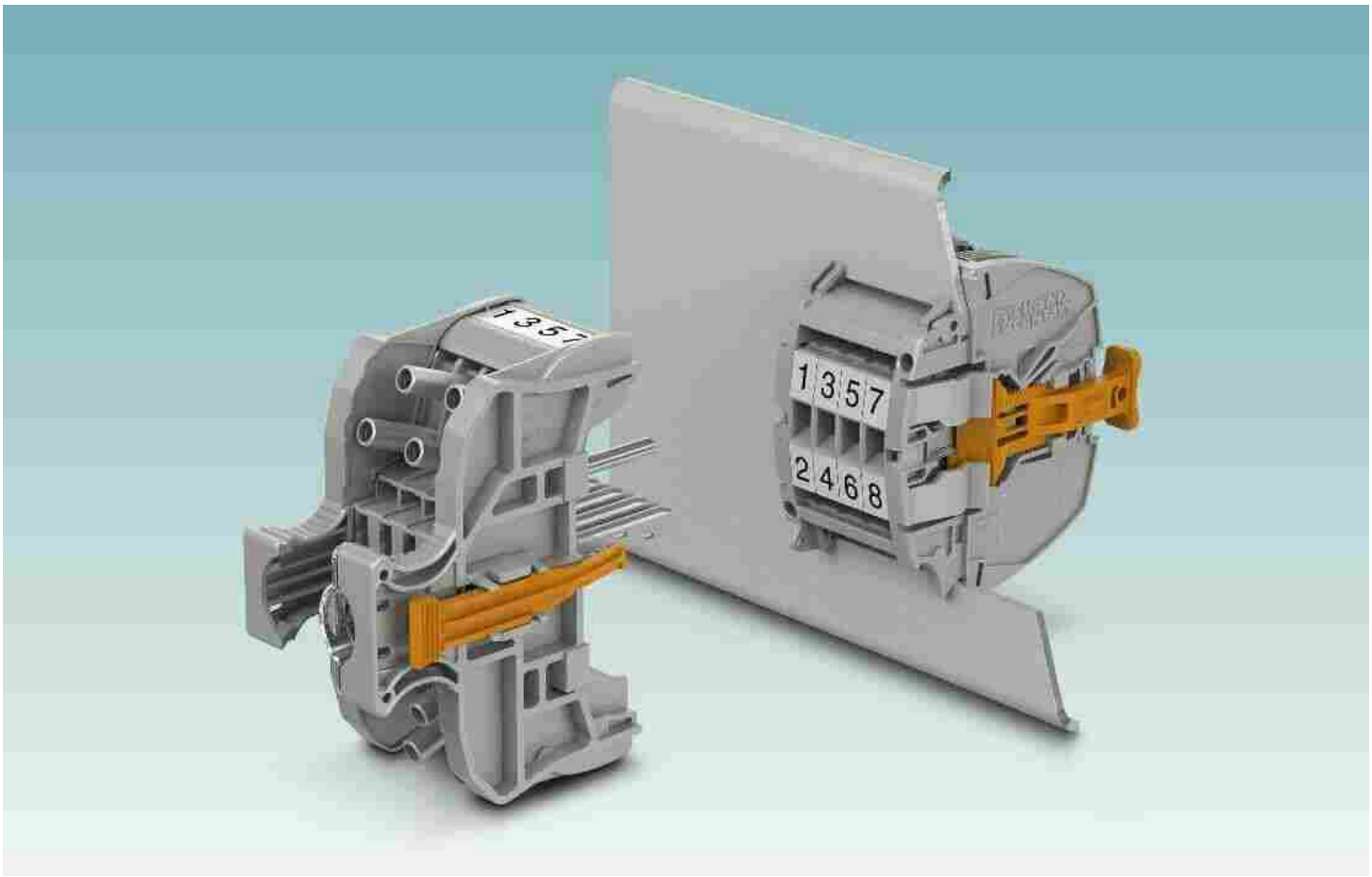
Description	Color	Ordering data: Type	Order No.	Pcs./Pkt.
Spacer plate, width: 8.2 mm	gray	**DP-RSCWE 6-3**	3069314	1

Colored PSBJ ... test sockets



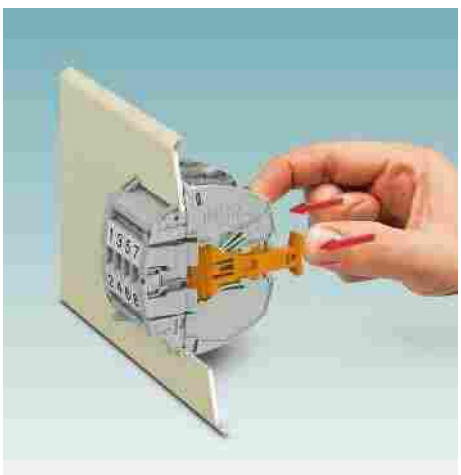
- 4 mm safety test leads with fixed insulation in accordance with EN 61010−031 CAT III and CAT IV up to 1000 V can be coded in true color
- Additional test leads, assembled with ring and fork-type cable lugs (see accessories, e.g., page 624) can be attached with test sockets

Description	Color	Ordering data: Type	Order No.	Pcs./Pkt.
Test socket, insulated	transparent	**PSBJ-URTK 6 FARBLOS**	3026450	10
	red	**PSBJ-URTK 6 RD**	3026719	10
	blue	**PSBJ-URTK 6 BU**	3026434	10
	yellow	**PSBJ-URTK 6 YE**	3026405	10
	green	**PSBJ-URTK 6 GN**	3026418	10
	violet	**PSBJ-URTK 6 VT**	3026421	10
	black	**PSBJ-URTK 6 BK**	3026447	10
	gray	**PSBJ-URTK 6 GY**	3026612	10
	brown	**PSBJ-URTK 6 BN**	3026971	10
	white	**PSBJ-URTK 6 WH**	3026448	10

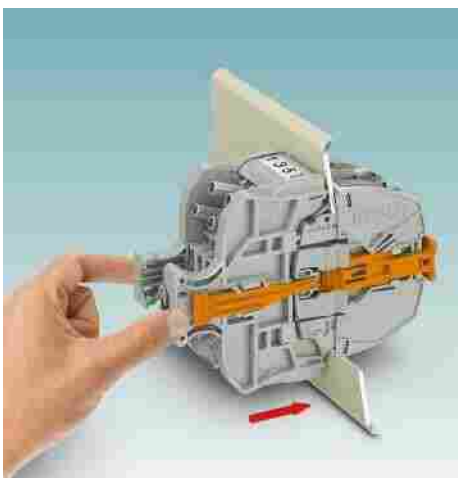


FAME 3 SL combines complex switching operations for function tests of current and voltage transformers, as well as tripping and signal contacts, in separate space-saving blocks of various colors. The system operates in accordance with the N/C contact principle. An operating plug is not required. The automatic transformer short circuit function is ensured with plug-in bridges in the plug-in test socket.

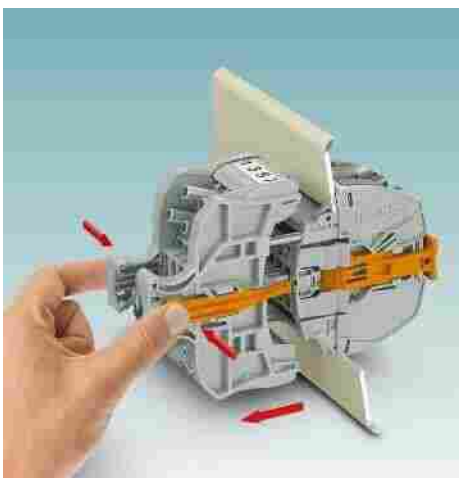
Your web code: #0131



The plug-in test socket positioned in the cutout is latched in place without screws by pressing on the two orange actuating elements.

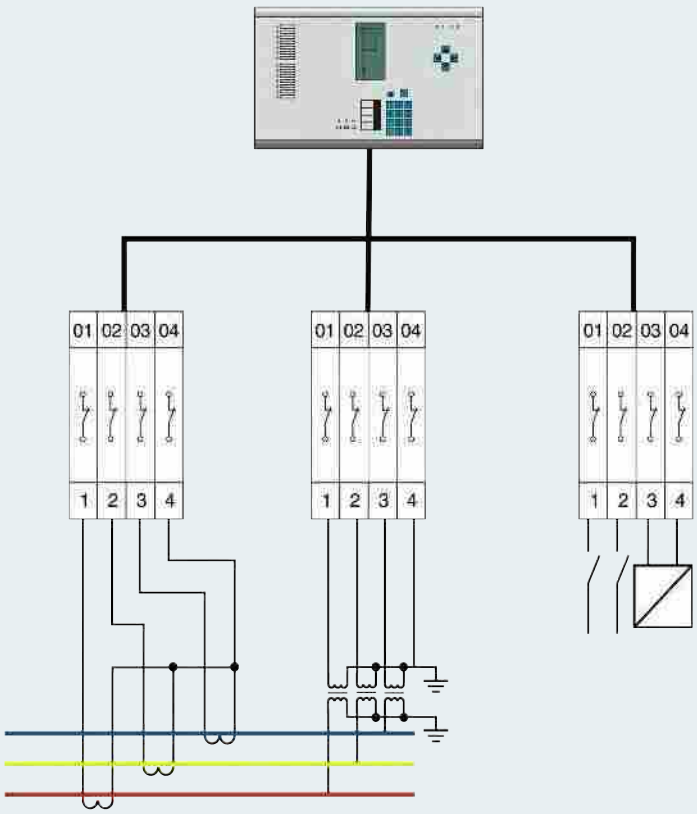


By plugging in and latching the test plug, all test contacts are securely contacted in accordance with the test setup.



The latching is released by actuating the orange lever. Unplugging the test plug will restore the original signal connections.

Mains protection – Switching example with sequential switching sequence



Plug-in test socket for current transformer connection

Plug-in test socket for voltage transducers

Plug-in test socket for power supply and signals

Plug-in test socket, test plug, cover		
Type	**Order No.**	**Required quantity**
RSCWE 6-3/4SL GN	1029997	1
FTP-3/4SL GN	1030003	1
FBP-3/4SL	1030010	1
Plug-in bridge		
FBS 4-8	3030307	1

Type	**Order No.**	**Required quantity**
RSCWE 6-3/4SL	1029994	1
FTP-3/4SL	1030004	1
FBP-3/4SL	1030010	1

Type	**Order No.**	**Required quantity**
RSCWE 6-3/4SL	1029994	1
FTP-3/4SL	1030004	1
FBP-3/4SL	1030010	1

Snap-Lock plug-in test system

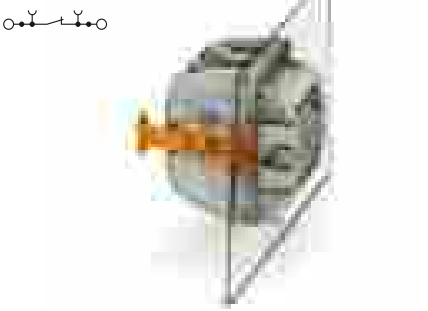
- Quick and simple realization of even small-position protection and measurement applications
- Contact technology identical to that of the FAME 3 system
- SL versions feature simple, screw-free mounting combined with a compact design
- Ideal safety during operation thanks to coded protection against reverse polarity
- Current transformer applications are realized with green plug-in test socket, voltage transformer circuits with the gray versions
- Simple disconnection at all times for service and maintenance work

Notes:

[1]) Derating curve available on request.

[2]) Test surge voltage 5 kV.

new



30 A, plug-in test socket, wall mounting

Technical data

Maximum electrical data					
		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30	**400[2])**	**0.5 - 10**	**20-8**
Rated data		IEC 60947-7-1			
		IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	400[2])	600	600	-
Nominal current / cross section	[A] / [mm²]	24[1]) / 6	31	31 / -	-
Rated cross section	[mm²]	6	-	-	-
Cross section range	AWG	24 - 8	20-8	20-8	-
Connection capacity, DIN 46234					
Cable lugs, DIN 46234	[mm²]	0.5 - 10			
Connection bolt / hole diameter / width	[mm]	4.1 / 4.3 / 8			
Connection capacity, DIN 46237					
Cable lugs DIN 46237	[mm²]	0.5 - 10			
Connection bolt / hole diameter / width	[mm]	4.1 / 4.3 / 8			
Color code	red	1.00 mm²			
	blue	2.50 mm²			
	yellow	6.00 mm²			
General data					
Stripping length	[mm]	12			
Tightening torque	[Nm]	1.5 - 1.8			
Panel thickness	[mm]	1 - 4			
Tightening torque: test socket screw	[Nm]	-			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

Ordering data

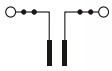
Description	Color	Type	Order No.	Pcs./Pkt.
Test terminal strip, 4-pos.	gray	**RSCWE 6-3/4SL**	1029994	1
4-pos.	green	**RSCWE 6-3/4SL GN**	1029997	1
6-pos.	Green/blue	**RSCWE 6-3/6SL GN/BU**	1090786	1
6-pos.	transparent			

Accessories

Isolating plug, 1-pos.				
	green	**FIP-3/1 SERVICE**	3069921	1
2-pos.	red	**FIP-3/2 SERVICE**	3069920	1
3-pos.	red	**FIP-3/3 SERVICE**	3069312	1
4-pos.	red	**FIP-3/4 SERVICE**	3069313	1
Service test plug, 1-pos., with test sockets				
	red	**FTP-2/1 SERVICE**	3069469	1
2-pos., without test sockets	red	**FTP-2/2 SERVICE**	3069464	1
3-pos., without test sockets	red	**FTP-2/3 SERVICE**	3069465	1
4-pos., without test sockets	red	**FTP-2/4 SERVICE**	3069468	1
Shoulder bag, for FAME connectors	black			
Screwdriver		**SF-SL 0,8X4,0-100**	1212551	10

Lateral groove labeling	**UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)**

new



20 A, test plug, 4 mm test socket

new

Transparent cover profile

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400**	**0.5 - 2.5**	**-**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	600	-	-
20 / 2.5	31	-	-
6	-	-	-
20 - 14	-	-	-

-
- / - / -
-
- / - / -
-
-
-
0.5 - 0.6
PA
V0

Technical data

		max. Ø [mm²]	AWG (UL)
		-	**-**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	-	-
-	-	-	-
-	-	-	-

-
- / - / -
-
- / - / -
-
-
-
-
PVC
V0

Ordering data

Type	Order No.	Pcs./Pkt.
FTP-3/4SL	1030004	1
FTP-3/4SL GN	1030003	1
FTP-3/6SL GN/BU	1090787	1

Ordering data

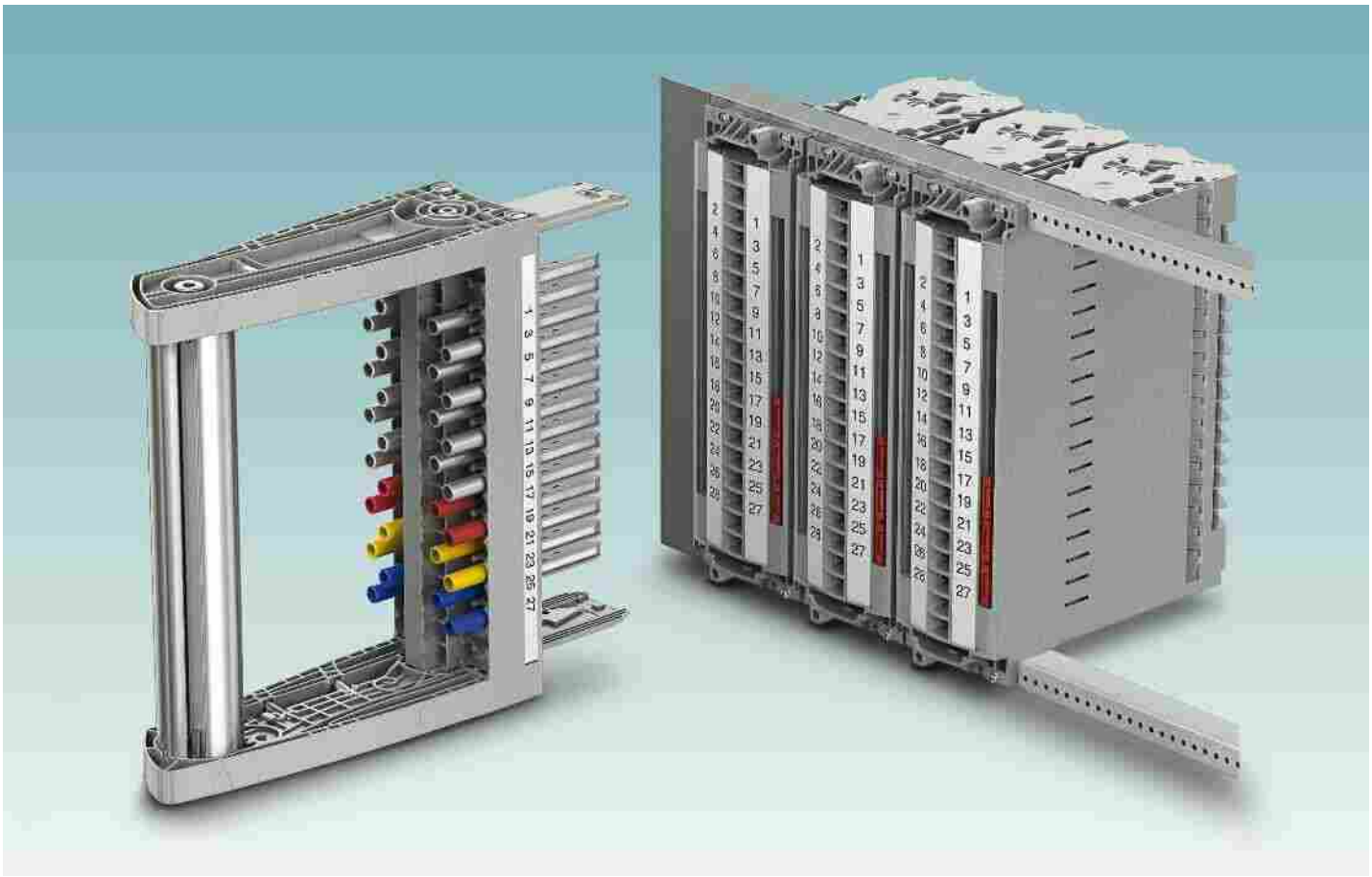
Type	Order No.	Pcs./Pkt.
FBP-3/4SL	1030010	1
FBP-3/6SL	1090788	1

Accessories

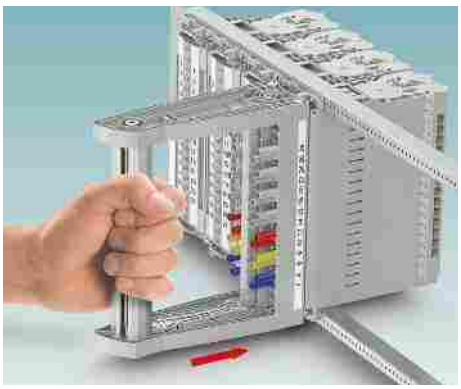
FAME-BAG 260	3069520	1

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)

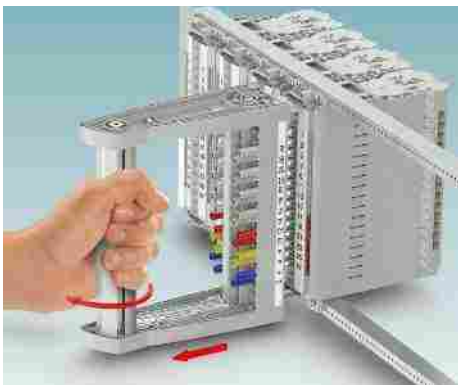
Accessories



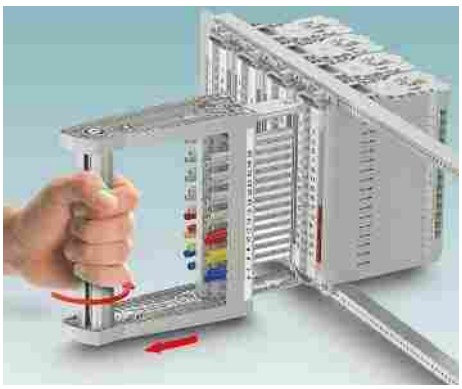
FAME 3 Rack, the plug-in test system without operating plug, combines complex switching operations for function tests of current transformers and voltage transducers, as well as tripping and signal contacts, into just one compact and space-saving block. The system operates in accordance with the N/C contact principle. An operating plug is not required. The automatic transformer short circuit function is ensured with plug-in bridges in the plug-in test socket. The design is intended for easy mounting in 19" racks in accordance with IEC 60927-3-101 in two, three and four rack units. One 19" rack can accommodate up to eight plug-in test sockets with a width of 50 mm.



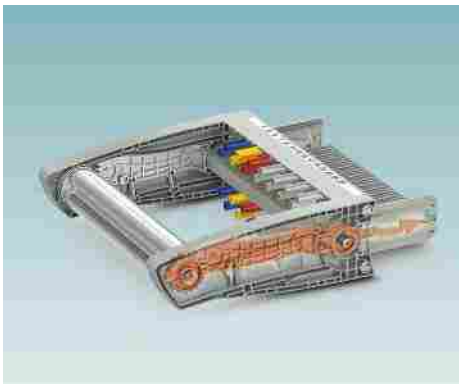
By plugging in and latching the test plug, all test contacts are securely contacted in accordance with the test setup.



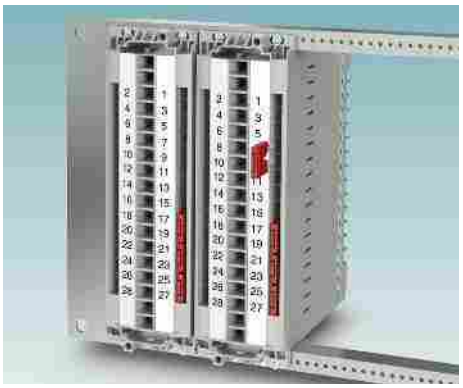
The test plug is unlatched by rotating the handle through 45° up to the stop. The test plug can then be pulled out to the intermediate position. The current converter contacts are reconnected with the protective device.



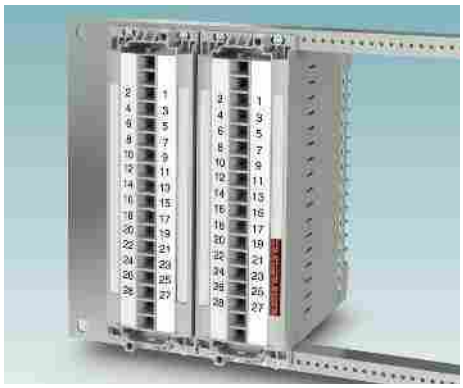
Only after springing the rotary handle back into the starting position can the plug be pulled out completely. The original signal connections are reestablished.



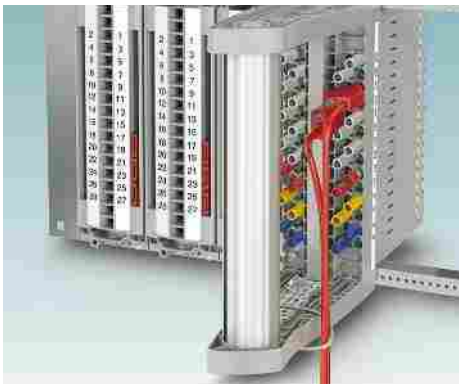
Programmed short-circuit and switching operations are generated by consistent insertion and removal of the test plug. Undefined contact states are effectively avoided thanks to the rotary handle mechanism.



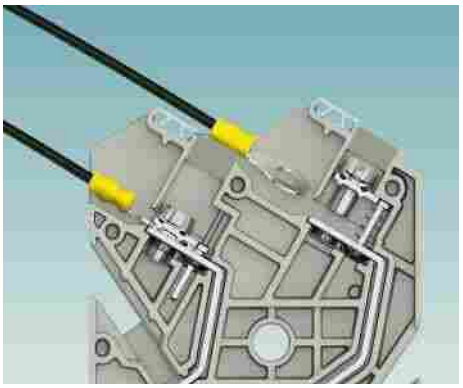
Automatic, leading transformer short circuit implemented with standard plug-in bridges in the plug-in test socket. Short-circuit bridges are designed to be touch-proof. Their positioning on the outside of the control cabinet is clearly visible.



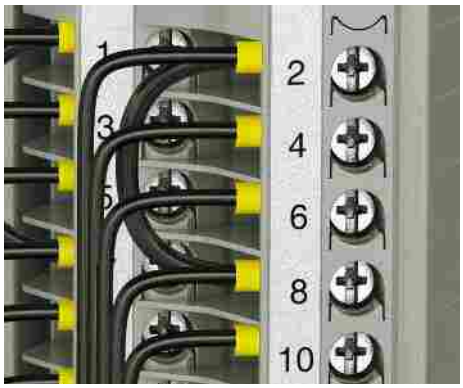
The short-circuit bridge can be covered and marked with standard marking material as an option.



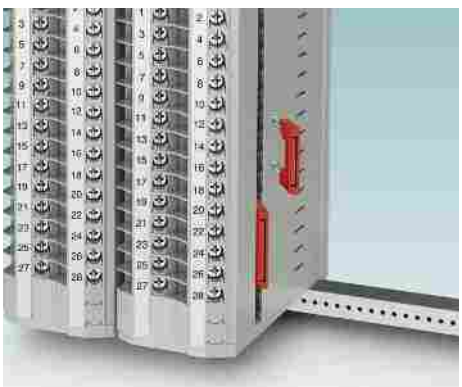
Space saving, thanks to offset test socket arrangements. The test cables can be easily fixed in place with cable ties.



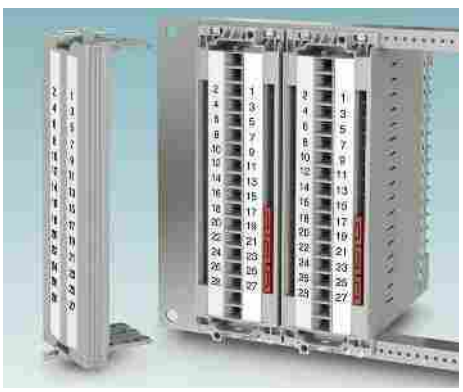
The plug-in test sockets feature BT connection technology with captive screws for ring and fork-type cable lugs.



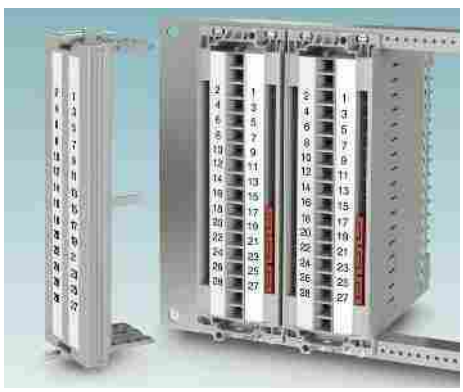
A 2-conductor connection can be realized on the plug-in test socket contacts.



The star point bridges are realized with multi-position standard bridges from the CLIPLINE complete system

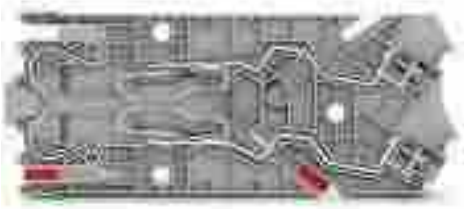


A sealable cover with screw connection protects against soiling and unauthorized access to the plug-in test socket.



An optional cover with status contact provides monitoring for the presence of a cover. Removing the cover interrupts the monitoring signal.

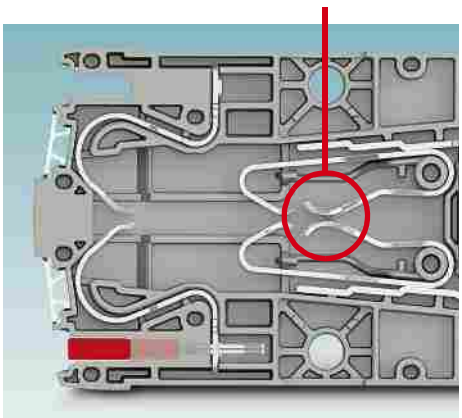
Modular 19" plug-in test system without operating plug and transformer short circuit in the plug-in test socket



The switch contact in the plug-in test socket is an N/C contact. In normal operation the contact is closed.

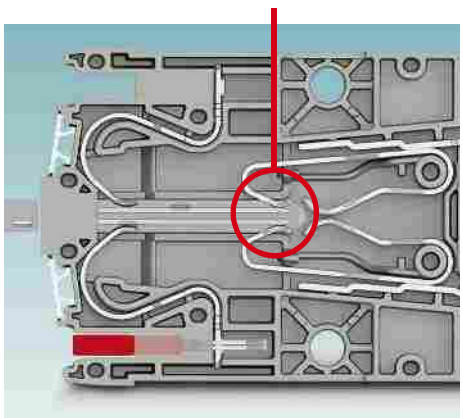
Normal operation

Closed switch contact



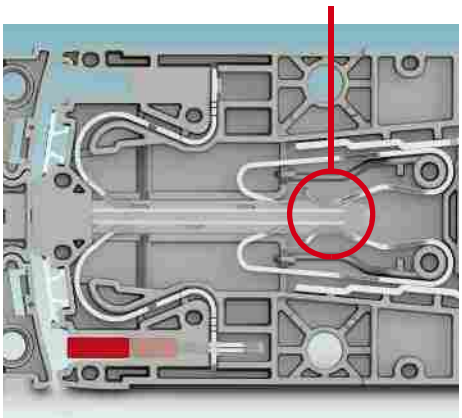
Transformer short circuit

Leading short circuit via auxiliary contact



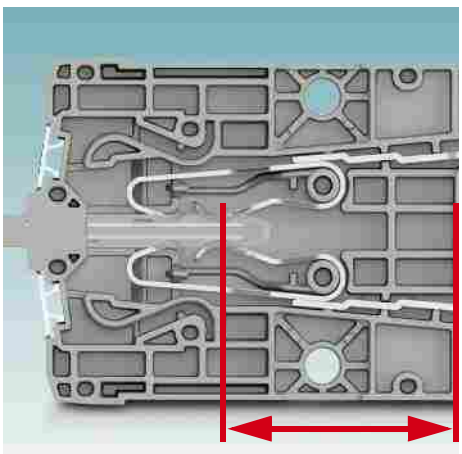
Test operation

Switch contact connected via test socket



Configurable switching point

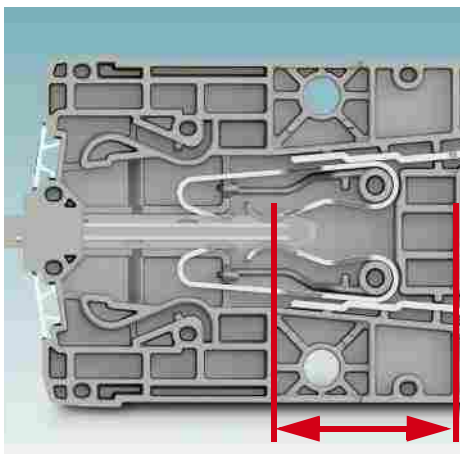
Early switching point



Contact in the top position (L-plate)

Due to the long clearance to the connection contact, “L-plates” are switched without delay when inserted.

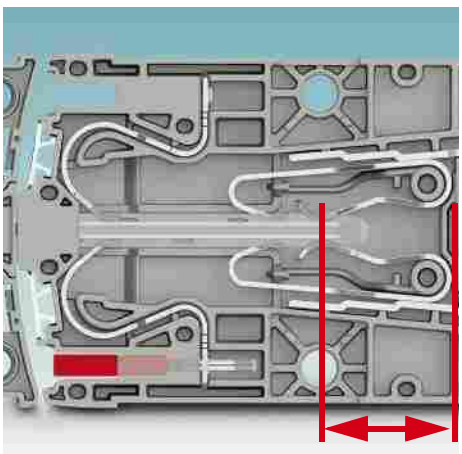
Delayed switching point



Contact in the middle position (M-plate)

Due to the medium clearance to the connection contact, “M-plates” are switched with a medium delay when inserted.

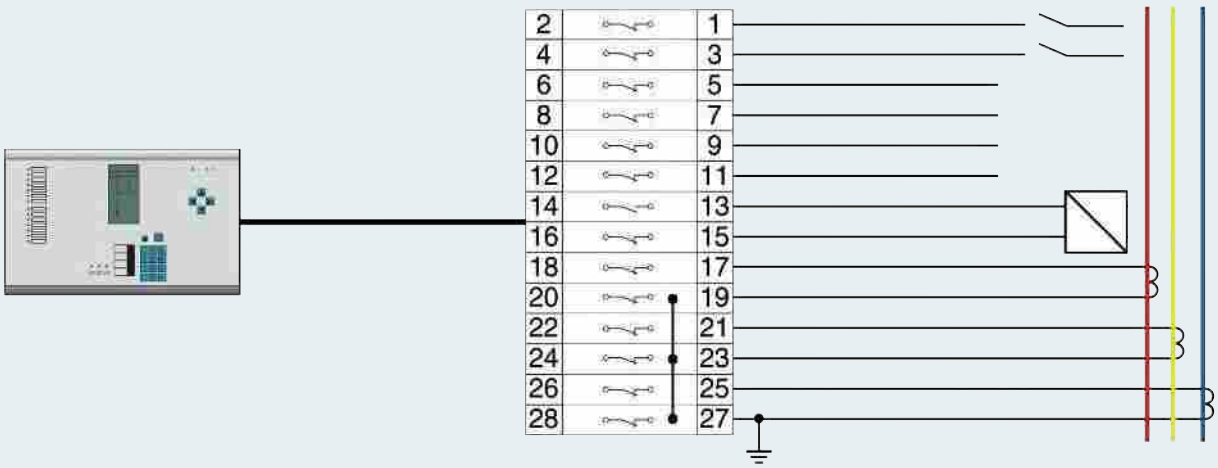
Late switching point



Contact in the bottom position (S-plate)

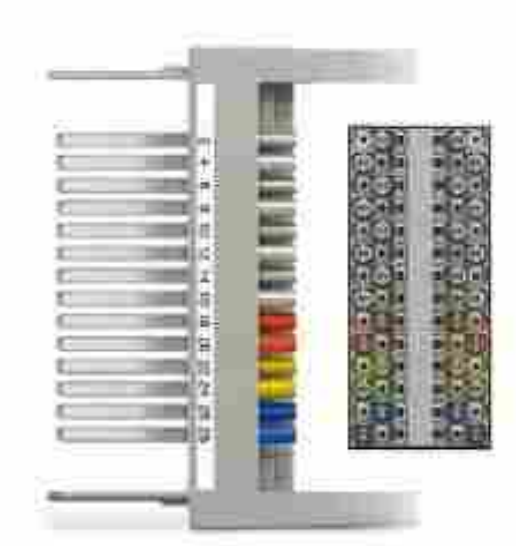
Due to the short clearance to the connection contact, “S-plates” are switched last with a large delay when inserted.

Mains protection – Circuit example with star point grounding in the plug-in test socket



Plug-in test socket for 19" mounting with current transformer, power supply, and signal contacts

Test plug with current transformer, power supply, and signal contacts

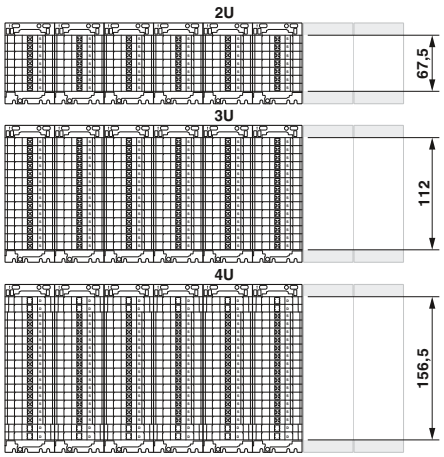


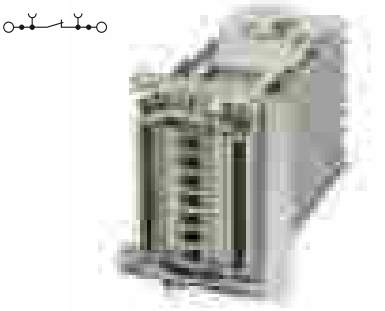
Plug-in test socket, blind plug		
Type	**Order No.**	**Required quantity**
BTFE 6-3/14 4U AUX	1029025	1
FBP-3F/14 4U AUX	1029339	1
Plug-in bridge		
FBS 1/3/5-8	3032389	1
FBS 2-8	3030284	3

Test plug		
Type	**Order No.**	**Required quantity**
FTP-3/14 4U	1029268	1

19" plug-in test sockets and test plugs

new





24 A, plug-in test socket, rack mounting

- Thanks to the modularity of the FAME 3 rack system, plug-in test sockets with two rack units and up to seven positions can be replicated
- Up to 12 positions with three rack units, up to 18 positions with four rack units
- Unused contacts are filed with dummy disks
- Dummy disks are not necessary when mounting directly in front plates or doors outside of the 19" format
- Extremely flexible plug-in test system with an overall width of just 50 mm

Technical data

Maximum electrical data	$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
	24	**400**	**0.5 - 6**	**-**
Rated data	IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage [V]	400	-	-	-
Nominal current / cross section [A] / [mm²]	24 / 6	-	-	-
Rated cross section [mm²]	4	-	-	-
Cross section range AWG	24 - 10	-	-	-
Connection capacity, DIN 46234				
Cable lugs, DIN 46234 [mm²]	0.5 - 6			
Connection bolt / hole diameter / width [mm]	3.5 / 3.7 / 6.8			
Connection capacity, DIN 46237				
Cable lugs DIN 46237 [mm²]	0.5 - 6			
Connection bolt / hole diameter / width [mm]	3.5 / 3.7 / 6.8			
Color code red	1.00 mm²			
blue	2.50 mm²			
yellow	6.00 mm²			
General data				
Tightening torque [Nm]	1 - 1.3			
Tightening torque: test socket screw [Nm]	-			
Insulating material	PC			
Flammability rating in accordance with UL 94	V0			

Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Plug-in test socket, 7-pos., 2 rack units	gray	**BTFE 6-3/7 2U**	1029245	1
8-pos.	gray	**BTFE 6-3/8**	1029246	1
12-pos., 3 rack units	gray	**BTFE 6-3/12 3U**	1029249	1
12-pos., 3 rack units, with status contact	gray	**BTFE 6-3/12 3U AUX**	1029250	1
14-pos.	gray	**BTFE 6-3/14**	1029252	1
14-pos., 4 rack units	gray	**BTFE 6-3/14 4U**	1029251	1
14-pos., with status contact	gray	**BTFE 6-3/14 AUX**	1029253	1
14-pos., 4 rack units, with status contact	gray	**BTFE 6-3/14 4U AUX**	1029025	1
18-pos., 4 rack units	gray	**BTFE 6-3/18 4U**	1029255	1

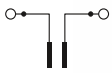
Accessories

Shoulder bag, for FAME connectors	black		
Screwdriver		SF-SL 0,8X4,0-100	1212551	10

Marking

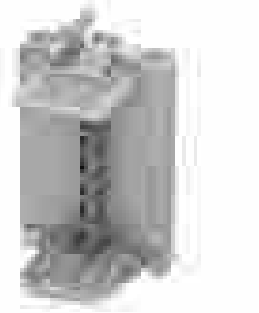
UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)
UC-TMF 8, UCT-TMF 8, ZBF 8 or TMT (EX6,2)R (see Catalog 3)

new



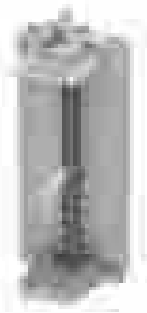
20 A, test plug, 4 mm test sockets

new



Blind plug, 7- to 18-pos.

new



24 A, blind plug, with status contact

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
20	**400**	**0.5 - 2.5**	**-**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
400	-	-	-
20 / 2.5	-	-	-
4	-	-	-
24 - 10	-	-	-

-
- / - / -

-
- / - / -

-
0.5 - 0.6
PC
V0

Technical data

		max. Ø [mm²]	AWG (UL)
		-	**-**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
-	-	-	-
- / -	-	-	-
-	-	-	-
-	-	-	-

-
- / - / -

-
- / - / -

-
-
PC
V0

Technical data

$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
24	**250**	**-**	**-**

IEC	UL / CUL	CSA	IEC/ EN 60079-7
250	-	-	-
24 / 6	-	-	-
-	-	-	-
-	-	-	-

-
- / - / -

-
-
PC
V0

Ordering data

Type	Order No.	Pcs./Pkt.
FTP-3F/7 2U	1029262	1
FTP-3F/8	1029263	1
FTP-3F/12 3U	1029267	1
FTP-3F/14	1029269	1
FTP-3F/14 4U	1029268	1
FTP-3F/18 4U	1029273	1

Accessories

FAME-BAG 260	3069520	1

UC-TMF 8, UCT-TMF 8, ZBF 8 or TMT (EX6,2)R (see Catalog 3)

Ordering data

Type	Order No.	Pcs./Pkt.
FBP-3F 2U	1029275	1
FBP-3F/8	1029278	1
FBP-3F 3U	1029276	1
FBP-3F/14	1029280	1
FBP-3F 4U	1029279	1

Accessories

FAME-BAG 260	3069520	1

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)

UC-TMF 8, UCT-TMF 8, ZBF 8 or TMT (EX6,2)R (see Catalog 3)

Ordering data

Type	Order No.	Pcs./Pkt.
FBP-3F/12 3U AUX	1029337	1
FBP-3F/14 AUX	1029338	1
FBP-3F/14 4U AUX	1029339	1

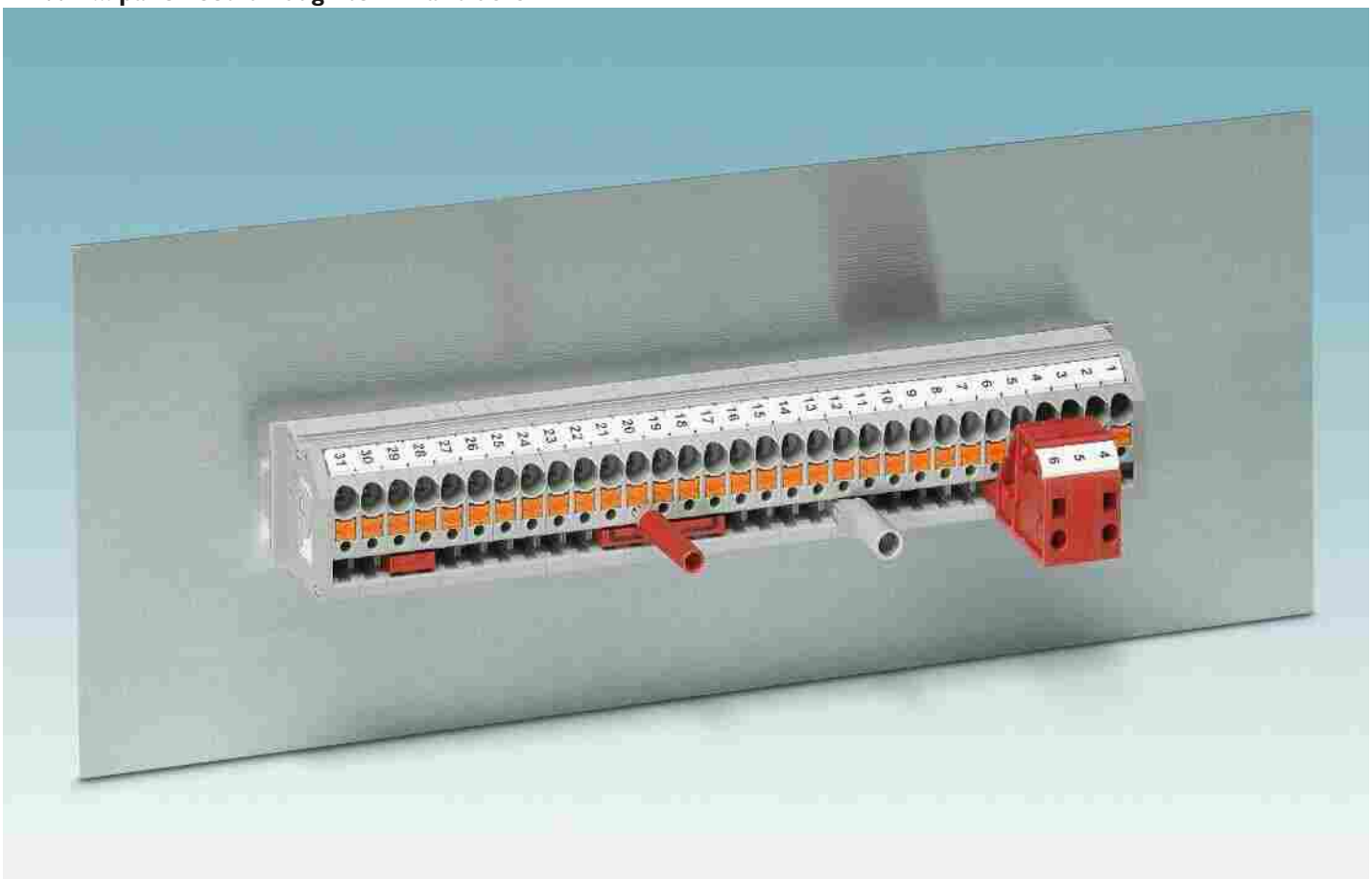
Accessories

FAME-BAG 260	3069520	1

UC-TM 8, UCT-TM 8, ZB 8 or TMT (EX9,5)R (see Catalog 3)

UC-TMF 8, UCT-TMF 8, ZBF 8 or TMT (EX6,2)R (see Catalog 3)

PT-WE ... panel feed-through terminal blocks



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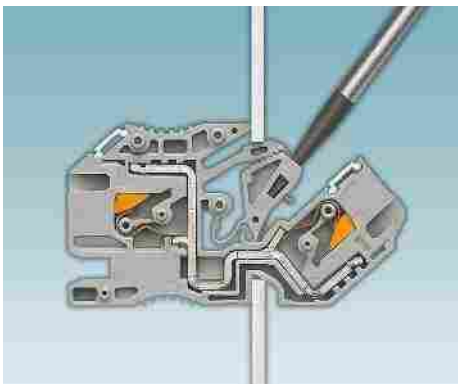
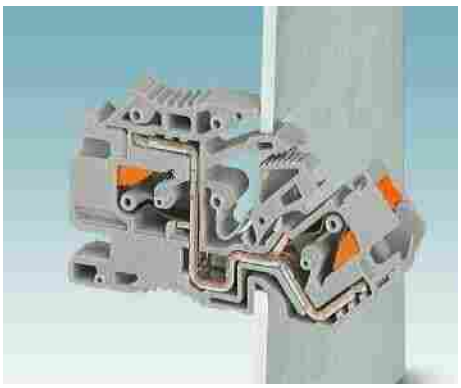


Feed-through terminal blocks in miniature format

The compact PT 4-WE feed-through terminal blocks are tailored towards the cramped conditions in network protection devices. The connection cross section of 4 mm² is achieved with an internal dimension of just 22 mm. The patented latching principle is used in the panel cutout for easy fastening.



Universal thanks to modular design

PT 4-WE feed-through terminal blocks have a modular design. They can be easily connected to form terminal strips with different numbers of positions. They are finished off with cover elements which cover the rest of the opening in the panel cutout. Alternatively, pre-assembled terminal strips with up to 20 positions are also available.

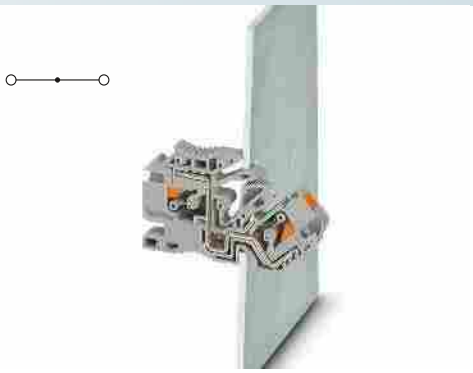
Push-in connection technology

The conductor connection is established directly, quickly, and easily. This saves a huge amount of time, particularly when carrying out internal device wiring at the factory. The Push-in connection also provides tangible benefits when it comes to the outside of the device. Furthermore, operation is easier thanks to the standardized accessories from the CLIPLINE complete system.

PT 4-WE feed-through terminal blocks

The PT 4-WE series of feed-through terminal blocks is designed for the requirements that arise when connecting current and voltage transformers.

– Primarily intended for network protection devices
– Can be installed in all panel cutouts with a sheet thickness of up to 2.5 mm
– Quick and easy fastening thanks to the patented latch
– Actuation with standard screwdriver



EAC

Technical data

Dimensions		Width	Length	Height	
	[mm]	**7.6**	**51.1**	**26.9**	
Maximum electrical data		$I_{max.}$ [A]	$U_{max.}$ [V]	max. Ø [mm²]	AWG (UL)
		30	**500**	**0.14 - 4**	**24-10**
Rated data		IEC 60947-7-1 IEC	UL / CUL	CSA	IEC/ EN 60079-7
Rated voltage	[V]	500	300	300	-
Nominal current / cross section	[A] / [mm²]	24 / 4	25	25 / -	-
Rated cross section	[mm²]	2.5	-	-	-
Cross section range	AWG	26 - 12	24-10	24-10	-
Connection capacity		Rigid	Flexible	Ferrule without/with plastic sleeve	
1 conductor	[mm²]	0.14 - 4	0.14 - 4	0.14 - 2.5	0.14 - 2.5
2 flexible conductors with a TWIN ferrule	[mm²]	-	-	-	0.5 - 0.5
Connection cross sections directly plug-in	[mm²]	0.34 - 4	-	0.34 - 2.5	0.34 - 2.5
General data					
Stripping length	[mm]	10 - 12			
Panel thickness	[mm]	1 - 2.5			
Insulating material		PA			
Flammability rating in accordance with UL 94		V0			

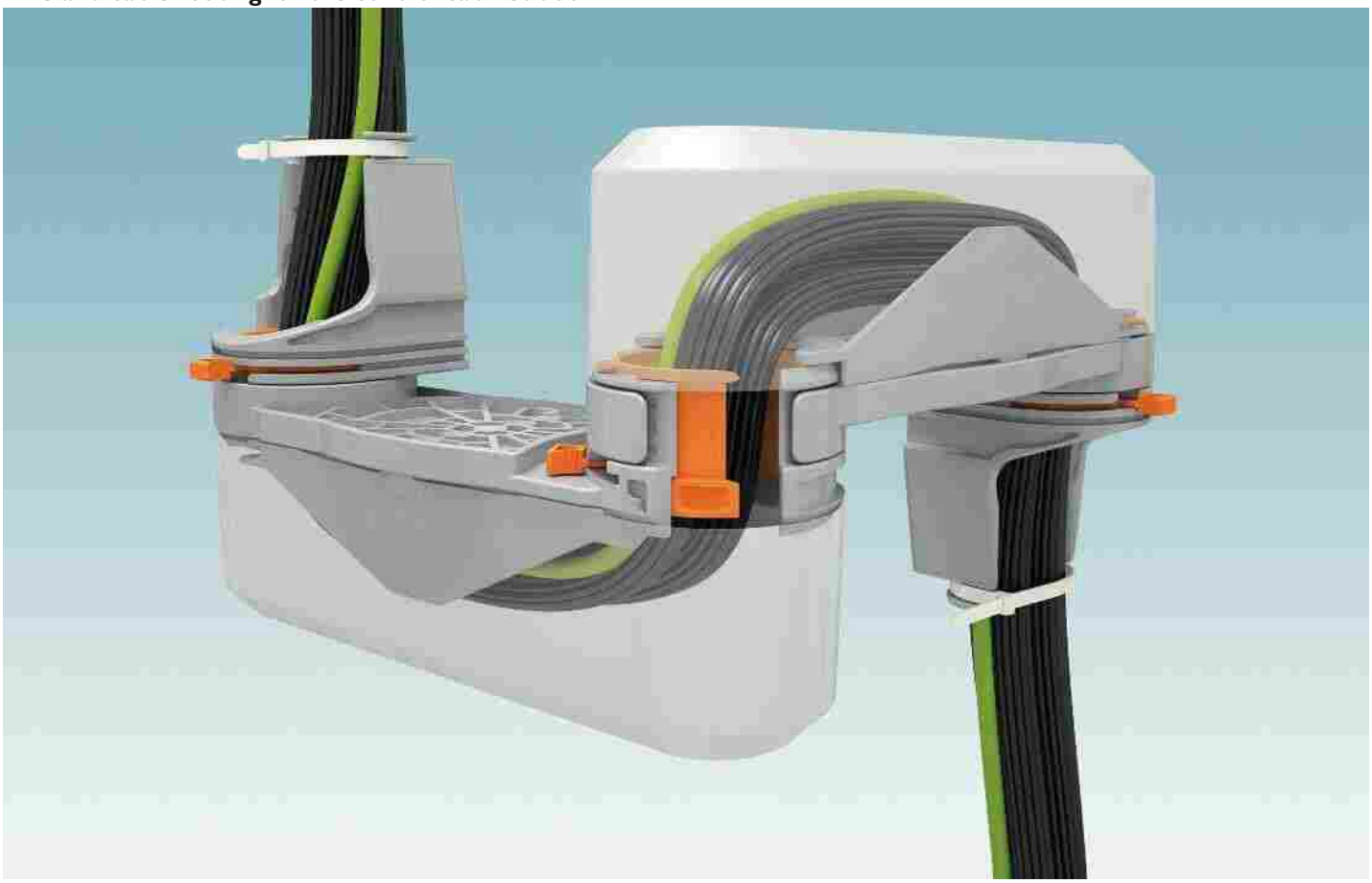
Ordering data

Description	Color	Type	Order No.	Pcs./Pkt.
Panel feed-through terminal block	gray	**PT 4-WE**	3044900	50
Terminal block, with cover on both sides, 1-pos.	gray	**PT 4-WE/1**	3044906	25
2-pos.	gray	**PT 4-WE/2**	3044907	25
3-pos.	gray	**PT 4-WE/3**	3044908	25
4-pos.	gray	**PT 4-WE/4**	3044909	25
5-pos.	gray	**PT 4-WE/5**	3044910	25
6-pos.	gray	**PT 4-WE/6**	3044911	10
7-pos.	gray	**PT 4-WE/7**	3044912	10
8-pos.	gray	**PT 4-WE/8**	3044913	10
9-pos.	gray	**PT 4-WE/9**	3044914	10
10-pos.	gray	**PT 4-WE/10**	3044915	10
11-pos.	gray	**PT 4-WE/11**	3044916	5
12-pos.	gray	**PT 4-WE/12**	3044917	5
13-pos.	gray	**PT 4-WE/13**	3044918	5
14-pos.	gray	**PT 4-WE/14**	3044919	5
15-pos.	gray	**PT 4-WE/15**	3044920	5
16-pos.	gray	**PT 4-WE/16**	3044921	5
17-pos.	gray	**PT 4-WE/17**	3044922	5
18-pos.	gray	**PT 4-WE/18**	3044923	5
19 pos.	gray	**PT 4-WE/19**	3044924	5
20-pos.	gray	**PT 4-WE/20**	3044925	5

Accessories

Cover, 5 mm width, alignable left and right	gray	**D-PT 4-WE**	3044902	25
Lateral groove labeling		**UC-TMF 5, UCT-TMF 5 or ZBF 5 (see Catalog 3)**		

Line and cable routing for the control cabinet door



The swivel arm of the cable guiding system makes it particularly easy and safe to install your conductors, cables, and cable harnesses for the control cabinet door or swivel mounting frame. This solution saves time, as the patent-pending swivel joints can be opened and pre-assembled cables can be fed through or pulled through without using any tools.

Your web code: #1146

Tool-free opening and closing of swivel joints

The orange swivel link allows you to open the swivel joints without using any tools. Installing and pulling through cables is quite simple.

Easy cable routing of pre-assembled data cables

The cable guiding system is designed for standard data cables. The wires will not be damaged, even after opening and closing 2000 times. This is made possible by using large bending radii and defined movements.

Safe cable routing for test disconnect sockets

To enable monitoring and operation from outside, devices and test disconnect sockets like FAME are mounted in the control cabinet door in protection and control engineering applications.

CGS cable guiding system

The cable guiding system makes it particularly easy and safe to install your conductors, cables, and cable harnesses for the control cabinet door or swivel mounting frame.

– Subsequent wiring can be performed quickly and easily via the rotating blisters which can be operated without tools
– Cable routing for the control cabinet door can be planned with the CAD system using the defined installation space and swivel range
– Quick and easy mounting, thanks to integrated flanges with strain relief
– Mechanical cable protection and bundling, thanks to covering hoods that can be attached without tools
– Secure with M5 tapping screws

Technical data

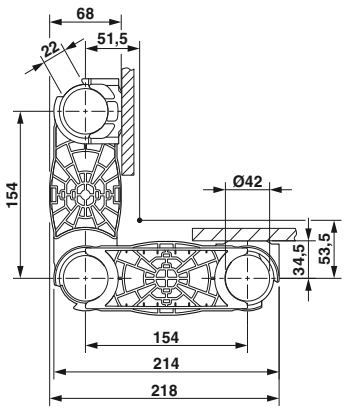
Dimensions		Width	Length	Height
	[mm]	**68**	**218**	**140.5**
General data				
Cable entry opening	[mm]	42		
Number of cables		100 for 1.5 mm²		
Insulating material		-		
Flammability rating in accordance with UL 94		V0		

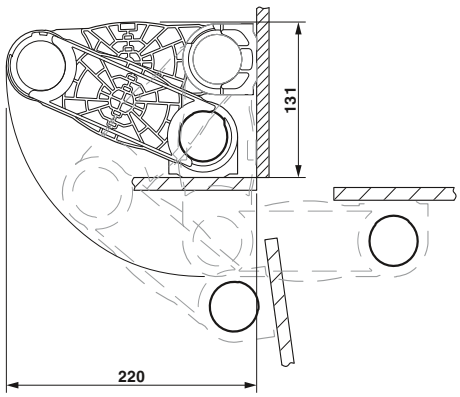
Ordering data

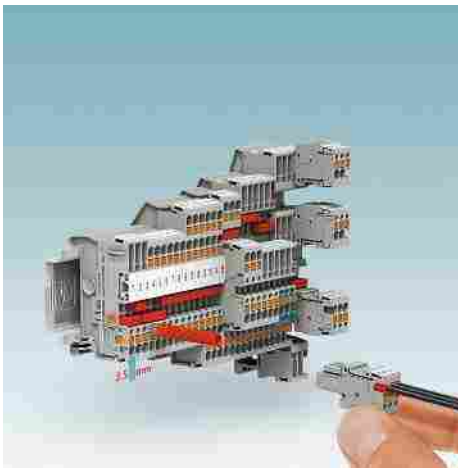
Description	Color	Type	Order No.	Pcs./Pkt.
Cable guiding system, with swivel joint for opening	gray	**CGSA 50**	3071401	1
Cable entry opening, with closed swivel joint	gray	**CGS 50**	3071400	1

Accessories

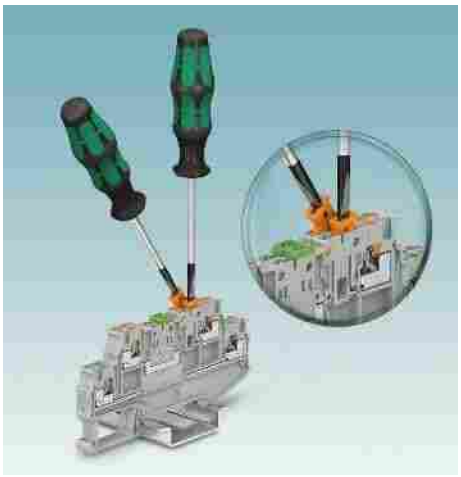
Covering hood	gray	**CGS-AH 50 SET**	3071410	1





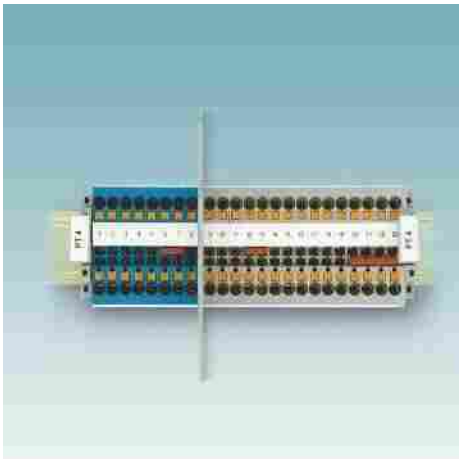


The PT 1,5/S series enables the space-saving and time-saving wiring of signals. With a terminal width of just 3.5 mm, solutions that can be disconnected and plugged in are available in addition to the wide range of feed-through terminal blocks.

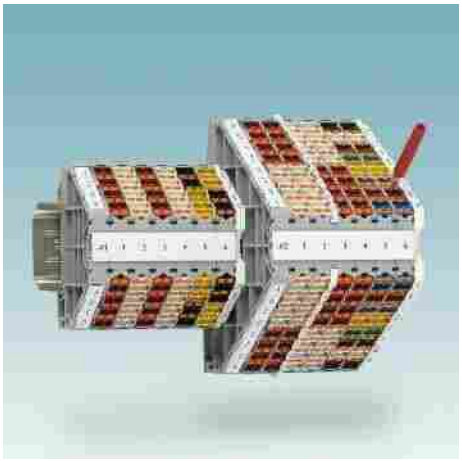


With double-level knife disconnect terminal blocks, you can fit up to 572 signals in one meter. The clear color assignment of the disconnect element to the wiring level prevents errors that could occur if the wrong signal circuit were opened.

The comprehensive range of disconnect and fuse terminal blocks offers numerous solutions for potentially explosive areas. All common protection concepts are included.



In addition to being used in applications with increased safety (Ex e), Phoenix Contact terminal blocks can also be used in intrinsically safe circuits. Blue versions are available for identification. Intrinsically safe and non-intrinsically safe circuits can be separated using corresponding partition plates.

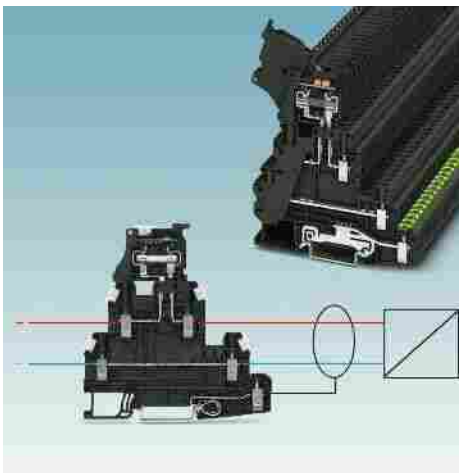


The PTRV ... marshalling terminal is designed for signal and potential distribution applications with increased packing density. Due to its compact length and color-coded design, it is the ideal basis for user-friendly wiring.

For marshalling terminals, see from page 46.

For efficient wall and DIN rail mounting, the modular system of the PTMC marshalling patchboard enables customer-specific and color-true marshalling with any number of positions.

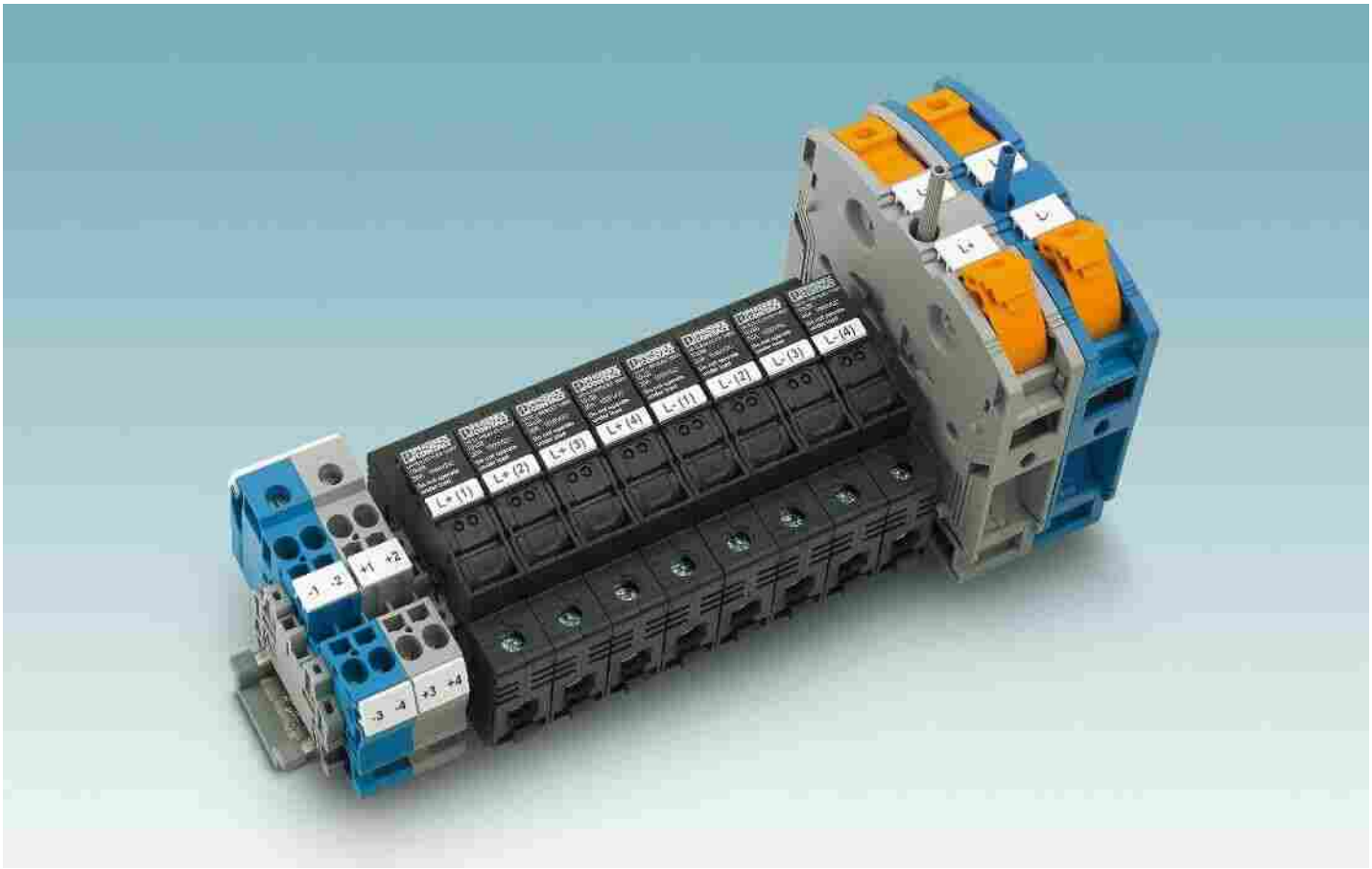
For marshalling patchboards, see from page 57.



By combining the fuse lever, feed-through, and PE foot, shielded signal circuits can be reliably wired in a single terminal block.

Find out more with the web code

Detailed information on these products can be found on our website. Simply enter # followed by the numbers in the search field.

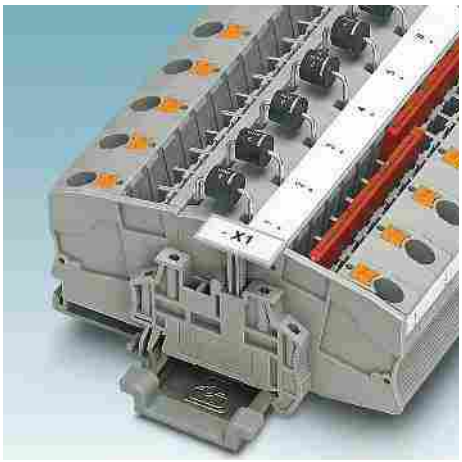


In the mix of renewable energies consisting of wind power, hydropower, biomass, and geothermal energy, solar power in Germany, for example, has taken the leading position. Throughout the world, solar power generation offers the greatest potential and has enjoyed the most widespread acceptance.
While standard products can be used in the AC area of a solar system, a more specific approach is required for the DC area as a result of its special structure and characteristics.
In order to keep cable losses to a minimum, PV panels are connected to strings, thereby increasing the system voltage. Off-load voltages of PV systems can reach up to 1000 V DC / 1500 V DC.

These high DC voltages place particular demands on the components used.
In contrast to AC voltage, the DC voltage that is present allows creepage distances to be created very easily on the surface of insulating elements. The components used in this area must therefore have increased air clearances and creepage distances.
In order to limit reverse currents which can occur in the event of a short circuit, the individual strings are protected. With crystalline modules, fuses are primarily used for this, while with thin-film modules, blocking diodes are installed in the circuit.

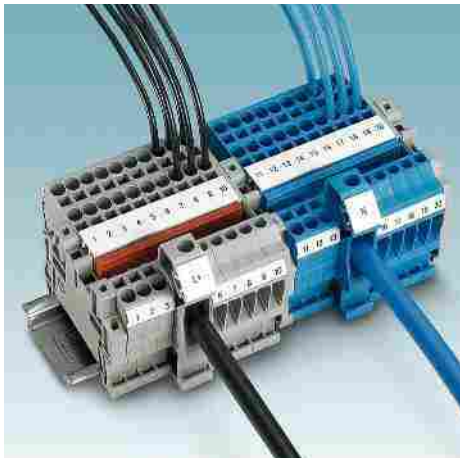
Modular terminal blocks and fuses from Phoenix Contact cleverly meet the special requirements of photovoltaic systems. You will find a summary of all components in the "Components and systems for photovoltaics" brochure.

The photovoltaic terminal blocks can be found in the relevant sections on the respective connection technologies.



The STME 6-DIO HV and PTME 6-DIO HV diode terminal blocks serve as line diodes and are used in thin-film photovoltaic systems to prevent reverse currents. This means that the often sensitive thin-film modules are ideally protected to provide long-term stability.

Conductors with larger cross sections are used for the connection between device connection boxes and inverters due to their higher currents and longer cable lengths. UKH ... and RBO ... terminal blocks can accommodate conductors with a cross section of up to 300 mm².

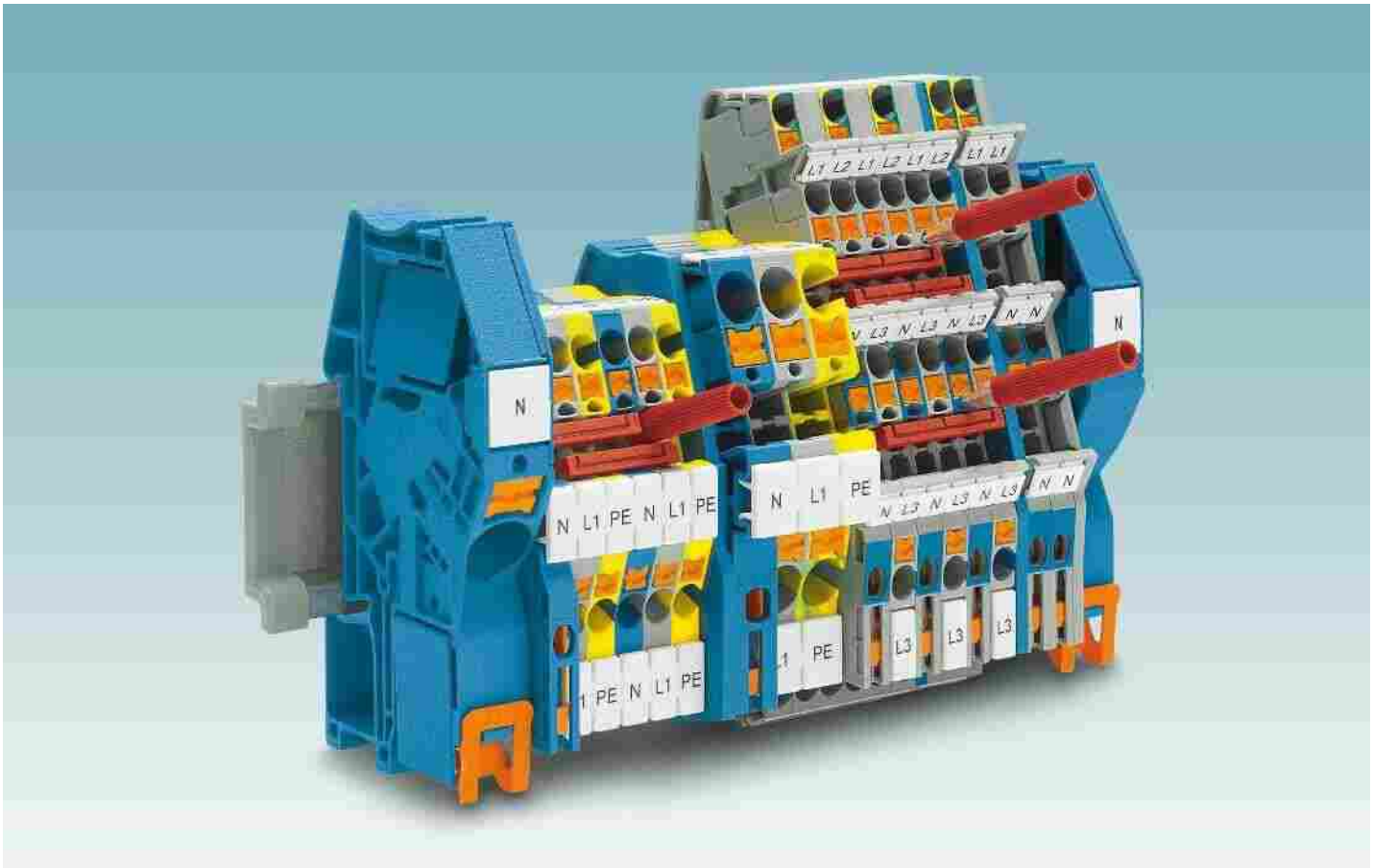


The individual strings can be connected quickly while also saving space using potential collective terminals. The output side of the terminal blocks accommodates up to 35 mm² of conductor in a screw terminal point.

The DC line fuses have specially tailored, ultra-fast gPV characteristics. They can safely and continuously transmit at system voltages of 1000 V DC or 1500 V DC and up to 25 A, and protect strings against reverse currents in the event of an error.

Find out more with the web code

Detailed information on these products can be found on our website. Simply enter # followed by the numbers in the search field.



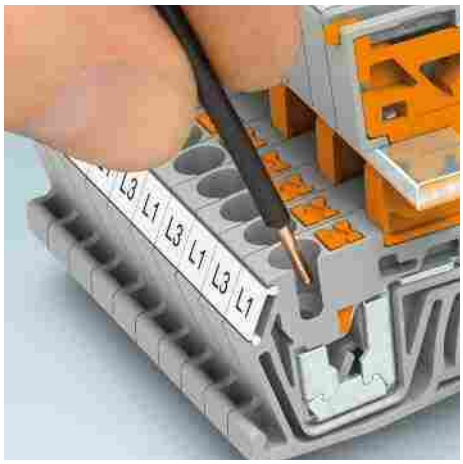
Electrical installations in communal facilities such as schools, hospitals, assembly points, restaurants, and all public buildings must fulfil special normative requirements. Insulation resistances must be measured during startup or when servicing the system in accordance with DIN VDE 0108-100 (EN 50172) without directly disconnecting the neutral conductor.
Installation terminal blocks from Phoenix Contact are precisely tailored to the requirements of electrical installations and distributor construction.

The neutral conductor can be conveniently separated for test purposes by means of a screwless, spring-loaded disconnect metal. Contact with the 3 x 10 mm standard profile can be achieved by simply swinging this open using a standard screwdriver. The disconnect slide locks into the end positions and the switching states are clearly signaled. These are sound prerequisites for the quick and safe testing of all versions. Potential can be multiplied easily, thanks to the double function shafts. Clearly visible marking surfaces and testing facilities at every terminal point ensure clarity, regardless of the mounting position.

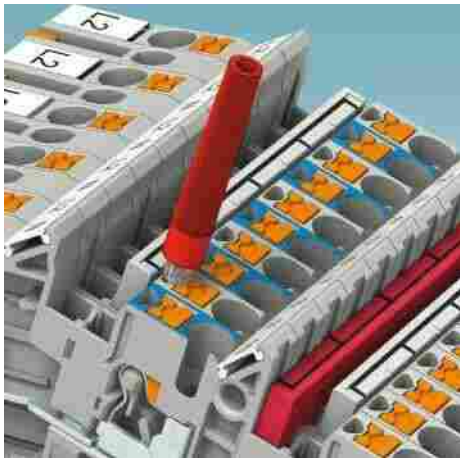
Numerous versions with screw, spring-cage or Push-in technology are available for all applications, and all versions are completely compatible.

The installation terminal blocks can be found in the relevant sections on the respective connection technologies.

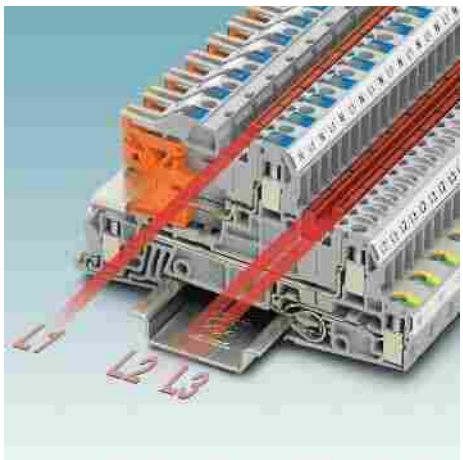
The screwless disconnect slide makes contact when it is simply slid onto the neutral busbar using a standard screwdriver. The switch position of the disconnect slide is clearly signaled.



PTI installation terminal blocks with Push-in connection can be wired without tools. Strip the conductors, plug them in, and you're done. This represents a clear advantage in terms of the time it takes to perform wiring. The terminal blocks can be released using the actuation lever made from insulation material.



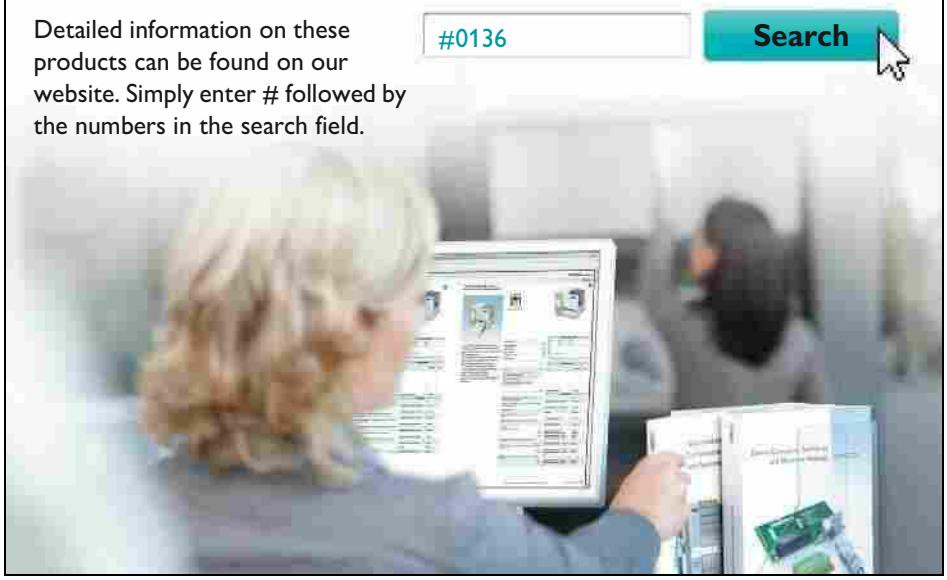
All installation terminal blocks are equipped with test openings on every level. All measurements and testing can therefore be carried out quickly and easily, even when all function shafts are occupied.



Double function shafts on each level provide comprehensive potential distribution. Even three-phase connections can be implemented conveniently and in a compact space with an overall width of just 10 mm. Lateral distribution is performed with FBS ... plug-in bridges.

Find out more with the web code

Detailed information on these products can be found on our website. Simply enter # followed by the numbers in the search field.



Configuration software, services for terminal strips, housings and markings

The CLIPLINE complete terminal block product range is complimented with the PROJECT complete marking software as well as an extended range of products and services for perfect control cabinets and switchgear.

PROJECT complete combines terminal strip configuration with a high-performance marking tool. The direct data exchange with all conventional CAE programs, as well as the creation of complete project documentation and the simple ordering option makes this software unique.

Your web code: #1093

Along with terminal strip production, the range of services also includes services from the CLIPSAFE housing solutions range. The plastic or metal housings are available for the Ex or non-Ex area as empty enclosures, processed empty enclosures, or assembled with your terminal strips.

Your web code: #0140

The range of services is rounded out with various mounting services and the option of delivering individual, pre-scheduled material sets.

The following product ranges can be found in Catalog 3

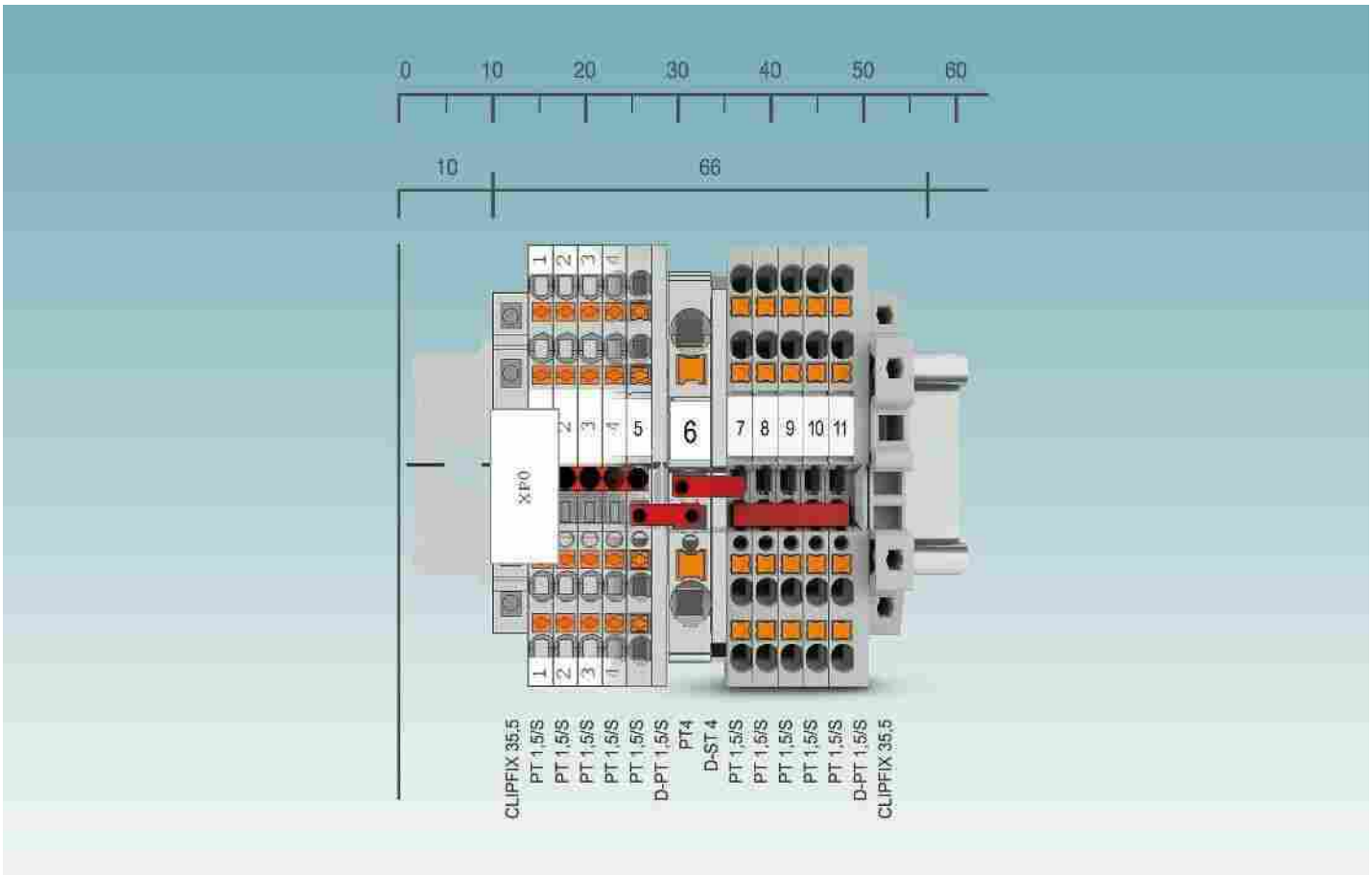
MARKING system marking systems
TOOL fox tools
CABINET add-on mounting material

The comprehensive solution for your control cabinet
Easy planning, intuitive installation

COMPLETE line is a system comprising technologically leading and coordinated hardware and software products, consulting services, and system solutions that help you to optimize your processes in control cabinet manufacturing. Engineering, purchasing, installation, and operation become significantly easier for you.

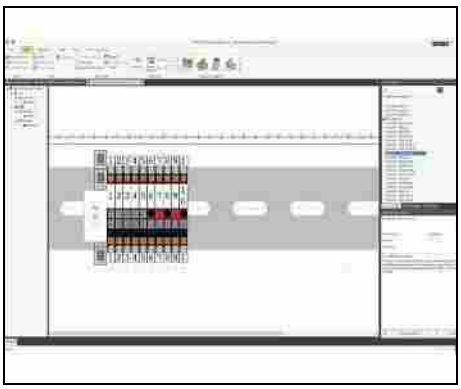
Product range overview

Planning and marking software	**664**
Terminal strip service	**668**
Junction boxes and empty enclosures service	**670**
Marking service	**672**

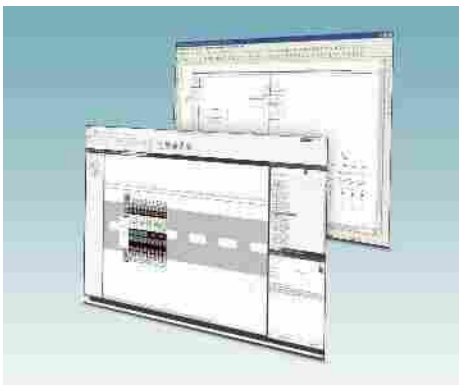


Your web code: #1093

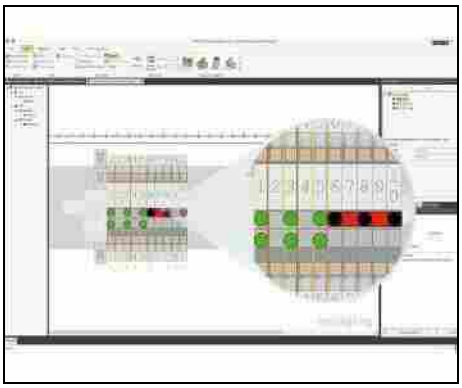
The intuitively arranged home page provides you with a quick start guide of your recent projects, features helpful templates, and informs you of the latest updates.



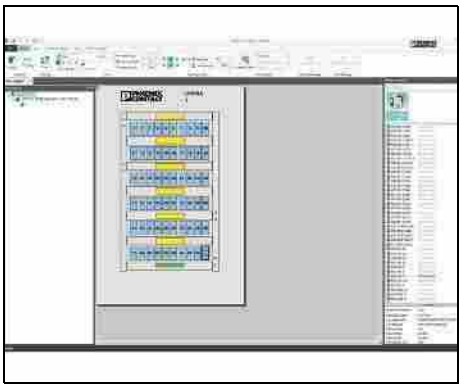
Operate PROJECT complete with ease via the intuitively designed functions. Easily customize the menu bars to your individual needs via drag-and-drop using the mouse.



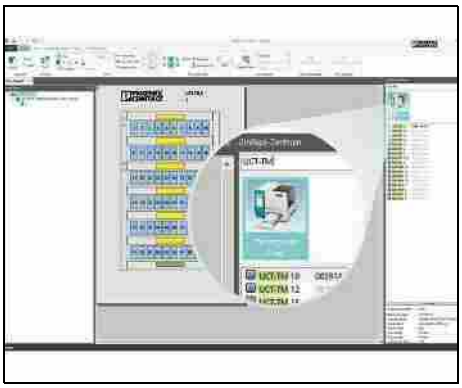
Import projects directly from electrical plans. PROJECT complete includes interfaces to all conventional CAE programs.



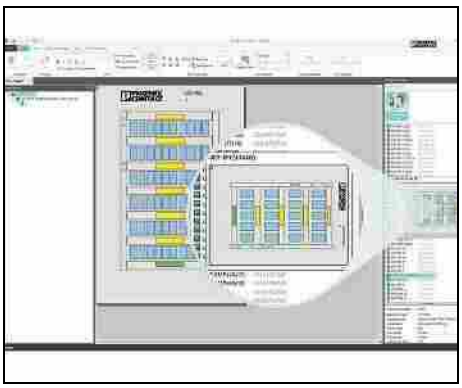
PROJECT complete automates many steps and reduces the effort involved. Manually bridging or planning individual markings is no longer necessary.



Create the right markings for your projects with PROJECT complete. The software controls all marking systems from Phoenix Contact.

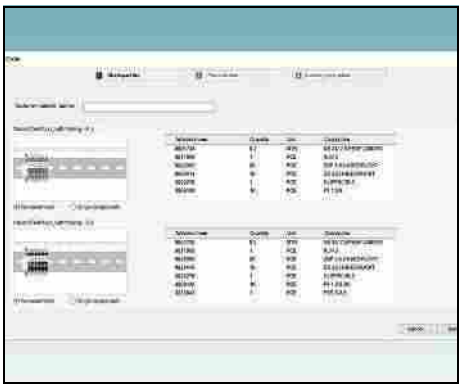


The intelligent search function in PROJECT complete selects the appropriate material using filters, reliably directing you to the perfect solution for your application.



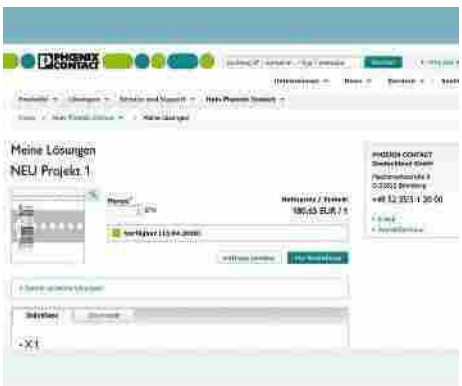
In the template preview, you can see the breakdown of a material immediately and thus find the right product for your application faster.

PROJECT complete processes different file formats for the custom design of your marking.



Send your project to your personal solution area on the Phoenix Contact homepage at the touch of a button and submit your order straightaway.

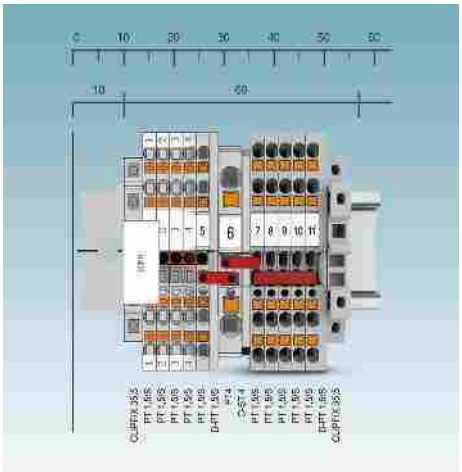
The “My Solutions” area on the Phoenix Contact website lists all the available projects that you have created and sent using PROJECT complete.



Select one of your projects and receive a quote based on your personal price terms, plus information regarding product availability, without delay.

Order your projects online without any intermediate steps and track the status of your delivery at any time.

PROJECT complete



PROJECT complete enables the quick planning and configuration of terminal strips for the control cabinet and field. It is also possible to create individual markings for terminal blocks, cables and lines, devices, and systems:

– The automatic correction function performs a logical test of the terminal strips and automatically adds the necessary accessories such as covers and end brackets
– The terminal strip configurator enables the distributed arrangement of individual terminal strips on different DIN rails
– 3D preview and complete documentation of the assembled DIN rails, such as order and mounting lists
– High-performance import of labeling information and extensive design options for the creation of individualized marking
– Numerous sorting and filter functions for efficient organization of your print jobs
– Support for all marking materials and output devices from Phoenix Contact
– Automatic Internet update
– Intuitive user interface

To reduce input effort and improve data quality, PROJECT complete enables the exchange of data with electrical planning systems in both directions:

– The necessary products are chosen automatically based on the circuit diagram and all of the product data is written back to the parts lists
– The marking information is automatically exported and assigned to the desired marking materials
– In order to ensure unique assignment of the marking even in the case of large projects, the project structure tree is transferred from the CAE system to PROJECT complete. This also enables the marking to be output in sub-projects

General data
Software interface

System requirements
Operating system

Description
PROJECT complete, planning and marking software for the configuration of terminal blocks and for the professional marking of marking materials for terminal strips, conductors, cables, devices, and systems, German/English/French/Dutch, Italian/ Spanish/Russian/Polish/Hungarian/Czech/Turkish/Portuguese/ Chinese, and Japanese

new

Technical data

EPLAN Electric P8
AUCOTEC ELCAD
AUCOTEC Engineering Base
AUCOTEC RUPLAN
ZUKEN E^3
Bentley Promis-e
WSCAD
IGE XAO
PC-Schematic AUTOMATION
SDProget SPAC

MS Windows 7 (32/64-bit), MS Windows 8 (32/64-bit),
MS Windows 8.1 (32/64-bit), MS Windows 10 (32/64-bit)

Ordering data

Type	Order No.	Pcs./Pkt.
PROJECT COMPLETE	1050453	1

Terminal strip service

The perfect solution for every application. This applies from simple printed marking labels, through individual DIN rails and terminal strips created fully ready for installation, right through to assembled, connection-ready housings. The Phoenix Contact service portfolio also includes installation solutions on mounting plates and customer-specific sets for simplified ordering and logistics sequences. You will benefit from optimized, electronic order management right through to production, as well comprehensive product or project documentation, including electronic data for CAD, ERP and classification systems.

Our staff will be happy to work with you to create the ideal solution for your application on site or support you in taking the best advantage of our services.

Our services at a glance:

- Professional advice and optimized order and project management
- PROJECT complete – free planning and marking software
- High-performance terminal strip and marking production
- Housing and mounting solutions
- Individual material sets
- Electronic product, project and solution documentation including all relevant data
- Contacts available worldwide
- Simple electronic ordering options

Make the most of our comprehensive product portfolio and range of services to create your optimum solution.

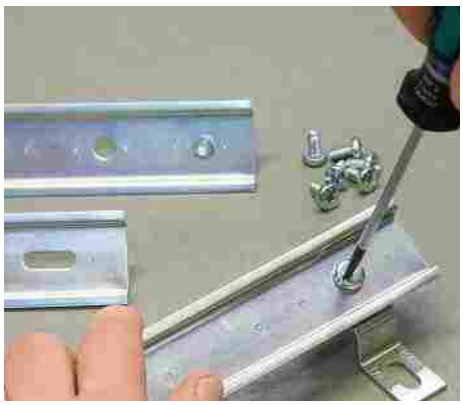
PROJECT complete is the central software suite for the creation of customer-specific projects. Take advantage of the following range of services directly from within the software, via the Phoenix Contact e-shop, or via direct, personal contact.

If necessary, you will be accompanied by one of our specialists during the planning and realization of terminal strips and housing solutions.

Our terminal strip service provides you with help in managing order peaks flexibly, and enables you to deliver terminal strips just-in-time for your series production batches.

We create the markings for your terminal blocks and terminal strips, cables and conductors, as well as housings and systems in accordance with your specifications.

Housings will be processed in accordance with your requirements and mounted ready for wiring with configured terminal strips or other products from the Phoenix Contact portfolio.



We will produce DIN rails in special lengths, with mounting-optimized hole grids, as well as with affixed impact nuts or threaded bolts.

We will supply individual, pre-scheduled material sets meaning that you can reduce effort and expenditure in material and stock management.

Your web code: #0140

Ex stainless steel empty enclosures

The stainless steel Ex enclosure product range provides comprehensive protection for your applications in industrial environments and in process technology. The product range consists of standardized enclosures in sizes up to 1000 mm x 1000 mm x 300 mm. On request, we can expand the enclosures into ATEX- and IECEx-approved junction boxes.

Ex polyester empty enclosure

The comprehensive range of polyester Ex enclosures provides comprehensive protection for your applications in Ex areas. On request, we can expand the enclosures into ATEX- and IECEx-approved junction boxes.

Polyester empty enclosure

The extensive standard polyester enclosure range provides robust standard enclosures for industrial environments as well as for non-potentially explosive areas in the process industry. The enclosures are expanded in line with your requirements into junction boxes and control boxes.

Empty enclosure

Select the ideal enclosure for your application. Custom dimensions and surface treatments are available on request. For applications in the Ex area, the enclosures are supplied with corresponding component approval in accordance with ATEX or IECEx.

Empty enclosures customized in accordance with customer specifications

We can customize the enclosures in accordance with your specifications with threads, bore holes, and rectangular cutouts. The Ex standards in accordance with ATEX and IECEx are taken into consideration. The enclosures are supplied with corresponding component approval.

Junction boxes assembled in accordance with customer specifications

If desired, you can obtain the CLIPSAFE empty enclosure completely equipped with components and cable glands. For use in potentially explosive areas, the junction boxes are supplied with corresponding equipment approval in accordance with ATEX and IECEx.

Customer-specific solutions

To obtain a quick quote for your customized junction box and enclosure solution, please fill out the request form on the website. You can easily describe your requirements using the form. We will then prepare an individual quote based on the information provided. Just enter the web code into the search field on our website.

Your web code: #0851

Find out more with the web code

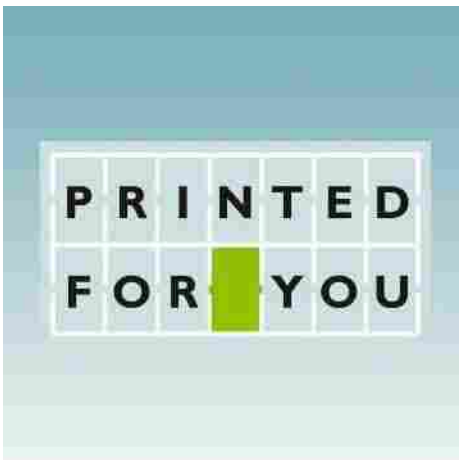
Detailed information on these products can be found on our website. Simply enter # followed by the numbers in the search field.

Easy ordering via PROJECT complete

Create customer-specific markings quickly and easily with PROJECT complete and then order them online.

Color printed marking solutions

You can use marking materials in UniCard and UniSheet format as well as metal labels for color printing.

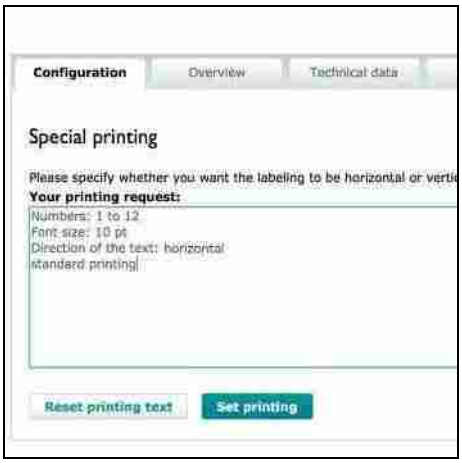


We mark marking materials in accordance with your requirements

All materials which can be marked in accordance with customer requirements are indicated with this symbol. The ordering process is described for you on the following page.

Ordering special labeling, step 1

All marking materials are available on our website. Order your custom printing. Search for the item you want on our website. Choose materials with the ending CUS.

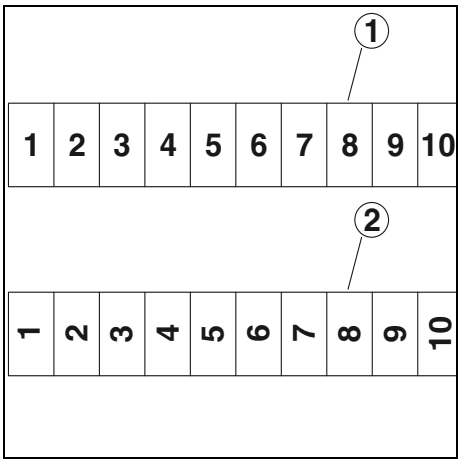


Ordering special labeling, step 2

Configuration of the selected CUS item: under the **Configuration** category, you can enter the required marking data in the free text field.

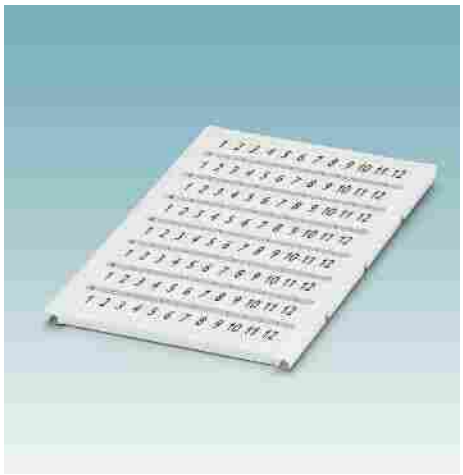
Tasks required:

– Marking text
– Font size
– Read direction “horizontal” (1) or “vertical” (2)
– Normal or bold print
– Please send special characters, symbols, and logos as an image file



Ordering special labeling, step 3

– Zack marker strip (ZB ...): 1 strip
– Card material (US-...): 1 card
– Plastic sheet (e.g., UC(T)-...): 1 sheet
– Sheet material (e.g., BMKL ...): 1 sheet
– Rolls (e.g., EML (...x...)R): 1 strip (row)
– Metal labels for the BLUEMARK ID COLOR (e.g., EMP-AL ...): 1 label



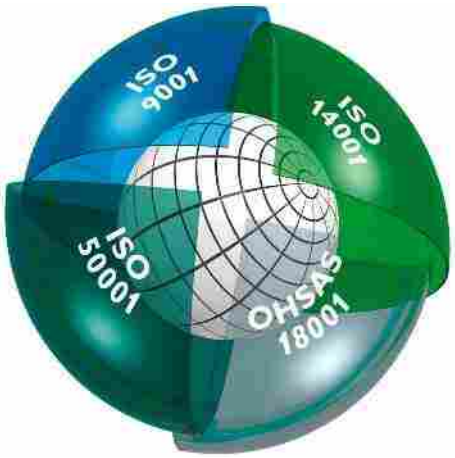
Individually marked in accordance with customer requirements:

You will receive your marking materials, custom-marked in accordance with the marking requirements you have provided, as quickly as possible.

Find out more with the web code

Detailed information on these products can be found on our website. Simply enter # followed by the numbers in the search field.

Quality in quantity



Integrated management system

The objective of the Phoenix Contact integrated management system is to integrate all requirements pertaining to products, processes, and the organization.

Statutory and regulatory requirements, as well as those of international standards and our customers, are met and, in some cases, even exceeded in all phases of the product lifecycle.

The Phoenix Contact management system is monitored by internationally recognized independent bodies each year to ensure that quality, environmental protection, energy efficiency, and occupational safety have been integrated in conformance with the relevant requirements. Certification in accordance with international standards ISO 9001, ISO 14001, ISO 50001, and BS OHSAS 18001 is the result of our corporate philosophy of meeting the needs of our customers, staff, and environment as best as possible. This serves as the basis for innovative products with the familiar high Phoenix Contact quality standard, actively practiced environmental protection through efficient production and products that conserve resources, and responsibility in the field of occupational health and safety. It goes without saying that we integrate all further requirements of standards, international approvals or special customer requirements into our company processes.

The result of this system is a building block for the success of the Phoenix Contact Group as well as its products and services.

CE marking

CE marking was introduced as an important instrument for the free movement of goods and services within the single European market. By applying the mark to a product, the manufacturer confirms its compliance with all EU directives applicable to this product. The EU directives describe the product characteristics with regard to device safety and the avoidance of risks. They have been incorporated in national legislation. Compliance with the requirements is a **condition for placing the product on the market within the EU**.

Where applicable, our products currently fall within the scope of the following directives in particular:

– 2014/35/EU
  Electrical equipment designed for use within certain voltage limits (Low Voltage Directive)
– 2014/30/EU
  Electromagnetic compatibility (EMC Directive)
– 2014/32/EU
  Measuring instruments
– 2006/42/EC
  Safety of machinery (Machinery Directive)
– 2014/34/EU
  Equipment and protective systems intended for use in potentially explosive atmospheres (ATEX Directive)
– 2014/53/EU
  Radio equipment (RED)
– 2011/65/EU
  Restriction of the use of certain hazardous substances (RoHS Directive)
– 2012/19/EU
  Waste electrical and electronic equipment (WEEE Directive)

The standards used as the basis for the aforementioned directives have been at the heart of our development standard for some time as a way of ensuring compliance with European directives. The numbers of the directives indicate their version at the time of publication. In the event of changes to directives and/or standards, our products will undergo conformity assessment again in good time and a new declaration of conformity will be issued promptly. The current declarations for each product can also be found in our download area.

Among the aforementioned European directives, the EMC Directive plays a particularly important role. It uses a directive enshrined in national legislation as the basis for defining electromagnetic compatibility as a fundamental device property. European legislation therefore places great emphasis on the electromagnetic compatibility of devices and systems as a basic prerequisite for the error-free operation of machines and systems. As an international leader in the field of surge protection, Phoenix Contact has extensive expertise in EMC. This expertise and the experience gained over many years in the development and application of industrial interface and communication technology have resulted in an extremely high standard of quality for our products when it comes to electromagnetic compatibility. Our independent laboratory, Phoenix Testlab, was founded in order to share this expertise with other companies. Phoenix Testlab GmbH is an accredited service company, which carries out EMC testing in compliance with European standards. At Phoenix Testlab, devices are also tested with regard to their electrical safety, mechanical influences, and their behavior in relation to environmental influences. Phoenix Testlab is also a notified body in accordance with EMC Directive 2014/30/EU and Radio Equipment Directive (RED) 2014/53/EU. As a certification body (TCB, FCB, and RCB), Phoenix Testlab is also able to approve these products for the markets in the USA, Canada, and Japan.

Standards and regulations

All relevant standards and regulations are used as the basis for the development and maintenance of our products.

International standards are subject to continuous changes as a result of harmonization and new developments. In line with this process, the current version of all standards that are relevant to our products is documented in the product area on our website at **phoenixcontact.net/products**.

Online product information service on the world wide web

Phoenix Contact is continuously extending its product range.

Within the scope of our product monitoring obligation, all products are subject to an improvement process.

The Internet is an ideal platform to quickly communicate new product developments and improvements to the market.

You can quickly access the relevant Phoenix Contact website for your region via phoenixcontact.com. There you will always find an up-to-date overview of products, solutions, and services from Phoenix Contact. This includes technical documents such as data sheets and user manuals, current driver and demo software, and a direct link to the relevant contact person.

Certification authorities and marks

Certification authorities and approvals		Country code
CB scheme	IECEE CB Scheme (in combination with certifying body)	International
CCA	CENELEC Certification Agreement (CCA inspection report) (in combination with certifying body)	EU
	Canadian Standards Association (CSA)	CA
	Canadian Standards Association (CSA) - CSA approval for the USA -	US
	Canadian Standards Association (CSA) combined logo - CSA approval for Canada and the USA -	CA US
	Underwriters Laboratories Inc. (UL)	US
	Underwriters Laboratories Inc. (UL) - UL approval for Canada -	CA
	Underwriters Laboratories Inc. (UL) combined logo - UL approval for the USA and Canada -	US CA
	INSIEME PER LA QUALITA'E LA SICUREZZA	IT
EAC	Eurasian Conformity	EAEU
KEMA KEUR	DEKRA Certification B.V.	NL
ÖVE	Österreichischer Verband für Elektrotechnik	AT
SEV	Eurofins Electrosuisse Product Testing AG SEV certification scheme	CH
VDE	Verband Deutscher Elektrotechniker e.V. (VDE) – Approval of drawings – Reports with production monitoring	DE
DGUV Test	Berufsgenossenschaft (BG) GS – Geprüfte Sicherheit (tested safety)	DE
Intertek	Intertek ETL Listed - Approval for the USA -	US
Intertek	Intertek ETL Listed - Approval for Canada -	CA
Intertek	Intertek ETL Listed - Approval for the USA and Canada -	US CA
TÜV	TÜV Rheinland Industrie Service GmbH	DE
CCC	China Compulsory Certification	CN
KC	Korean Certification Mark	KR

Explosion protection		Country code
IECEx	International Electrotechnical Commission	International
Ex	ATEX Directive	EU
	Canadian Standards Association (CSA)	CA
US	Canadian Standards Association (CSA) - CSA approval for the USA -	US
C US	Canadian Standards Association (CSA) combined logo - CSA approval for Canada and the USA -	CA US
	Underwriters Laboratories Inc. (UL)	US
	Underwriters Laboratories Inc. (UL) - UL approval for Canada -	CA
	Underwriters Laboratories Inc. (UL) combined logo - UL approval for the USA and Canada -	US CA
FM APPROVED	FM Approvals	US
C FM APPROVED	FM Approvals - FM approval for Canada -	CA
C FM US APPROVED	FM Approvals - FM approval for the USA and Canada -	US CA
EAC Ex	Eurasian Conformity for Ex-products	EAEU
KCS	Korean Certification Mark for Ex-products	KR
INMETRO	National Institute of Metrology, Standardization and Industrial Quality	BR
Ex NEPSI	National Supervision and Inspection Center for Explosion Protection and Safety of Instrumentation	CN
CIDET	Corp. Centro de Investigación y Desarrollo Tecnólogico del Sector Eléctrico	CO

Marine classification societies		Country code
DNV·GL MARITIME	DNV GL - MARITIME	DE
BUREAU VERITAS	Bureau Veritas	FR
Lloyd's Register	Lloyd's Register of Shipping	GB
ClassNK	Nippon Kaiji Kyokai	JP
	Polski Rejestr Statków	PL
	Russian Maritime Register of Shipping	RU
KR KOREAN REGISTER	Korean Register of Shipping	KR
ABS	American Bureau of Shipping	US
RINA	Registro Italiano Navale	IT

Competence in connection technology

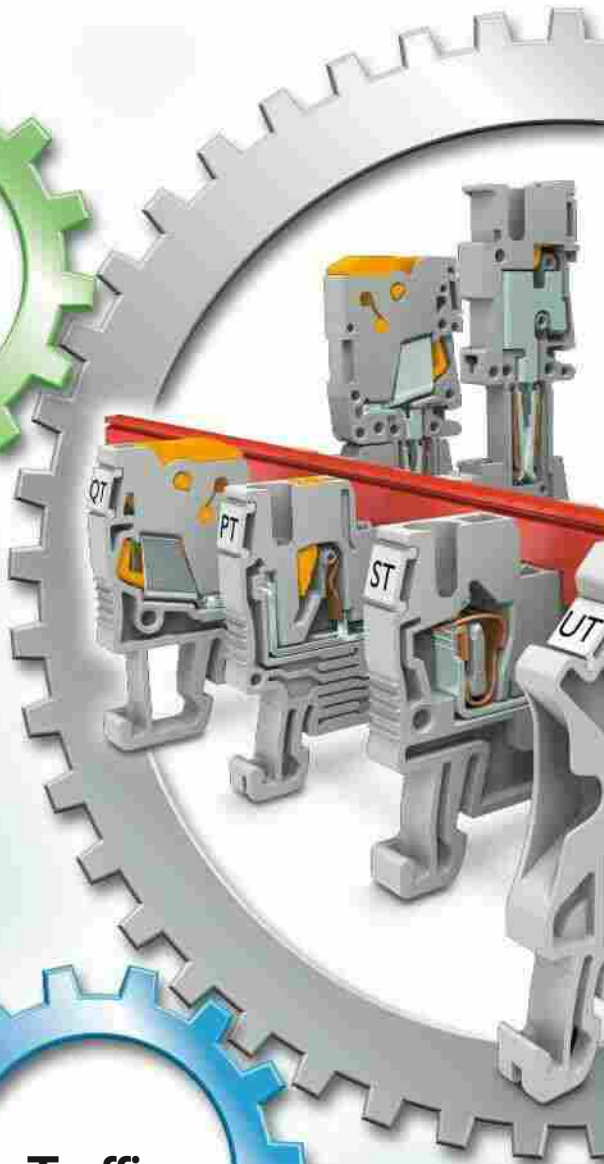
CLIPLINE complete

Thanks to the implementation of appropriate design measures and the use of high-grade materials, the terminal blocks from Phoenix Contact exceed the requirements imposed by standards.

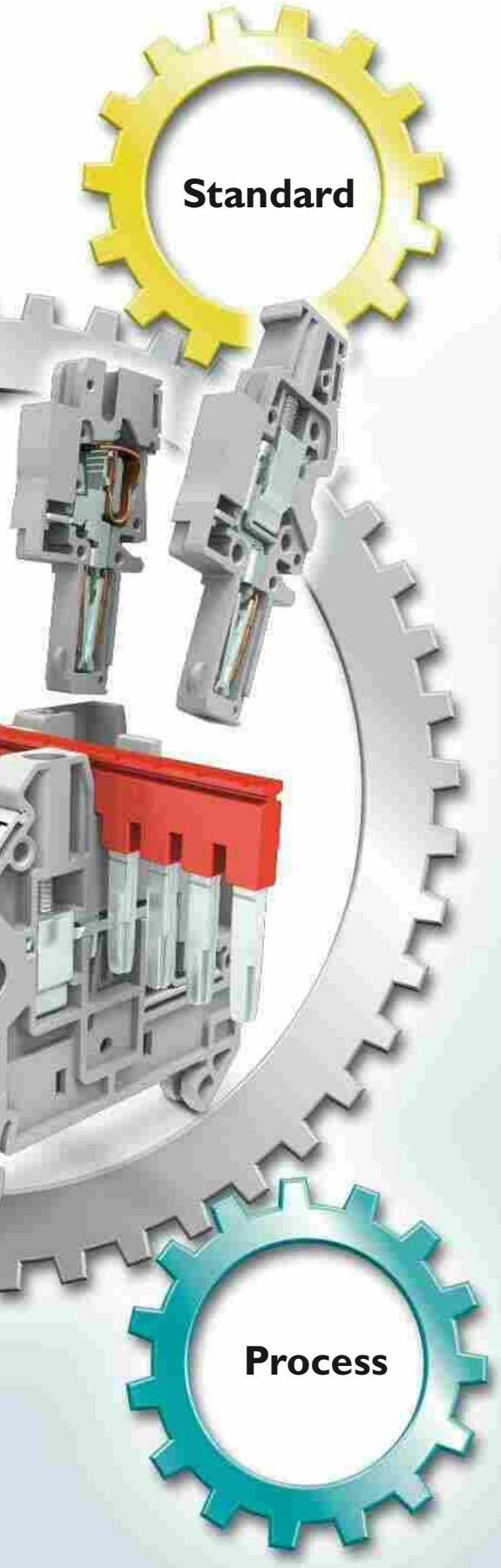
The terminal blocks undergo tests which exceed the terminal block standard and which permit their use in all industries. The most prominent of these are energy supply, transportation technology, and process engineering, particularly in the chemical, petrochemical, and shipbuilding industries.

The following industry-specific standard tests are performed on the terminal blocks.

Power



Traffic


Standard
Process

Terminal blocks for potentially explosive areas

Phoenix Contact provides a comprehensive range of Ex-approved connection technology for process engineering. Thanks to the high-quality contact and insulation materials, the terminal blocks are particularly suitable for harsh, potentially explosive industrial applications. The terminal blocks from Phoenix Contact which have been approved for potentially explosive areas are mainly standard terminal blocks. In addition to the usual approvals, the terminal blocks also have an IECEx and ATEX certificate from one of the EU-authorized testing centers (PTB, DEKRA, KIWA ...) in accordance with the IEC/EN 60079-7 standard.

It is not necessary with terminal blocks from Phoenix Contact to differentiate between Ex and non-Ex terminal blocks in the warehouse. The advantages are clear.

Ex e type of protection

When the installation instructions are followed, the terminal blocks listed on the website stated in the following satisfy the requirements for the "increased safety" degree of protection Ex eb or Ex ec. The terminal blocks with Ex eb type of protection are therefore approved for installation in wiring spaces of zone 2 and, in particular, zone 1. The housings for installing the terminal blocks must also be approved for Ex e type of protection and must have at least IP54 degree of protection.

The terminal blocks approved for Ex eb type of protection are divided into the following groups:

- Push-in connection terminal blocks
- Screw connection terminal blocks
- Spring-cage connection terminal blocks
- Fast connection terminal blocks
- Miniature terminal blocks
- Terminal blocks for specialized applications.

Along with the feed-through terminal blocks, function terminals – i.e. safety terminal blocks and test-disconnect terminal blocks – are available with Ex ec type of protection for use in zone 2 areas.

Ex i type of protection

No special approval is required for terminal blocks in applications with the Ex i "intrinsic safety" type of protection. In addition to Ex-e approved terminal blocks, other standard terminal blocks are also used here. The increased requirements for air clearances and creepage distances

- Between adjacent terminal blocks
- Between terminal blocks and grounded metal parts

as well as distances through rigid insulation are specified in IEC/EN 60079-11.

Detailed information on terminal blocks in the Ex "e" and Ex "i" area are available in the product area on our website at: phoenixcontact.net/products as a download for the approved product.

You will find detailed information here, including certificates, declarations of conformity, and application notes or installation instructions with the following content:

- Technical data in accordance with IEC/EN 60079
- Approved accessories
- Important installation instructions and mounting diagrams

Marking

The explosion-protected equipment must be marked in such a way as to ensure that it is used correctly in accordance with its safety characteristics.

The marking of equipment is described in the harmonized standard IEC/EN 60079. Terminal blocks with an "increased safety" type of protection must be appropriately marked. An example of the marking is shown in the adjacent table.

Marking in accordance with the ATEX 2014/34/EU directive	
Manufacturer or trademark	PHOENIX CONTACT
Address of the manufacturer	D-32823 Blomberg
Number of the notified body	0344
Common marking in the EU	Ex
Equipment group	II
Equipment category	2
Use in atmospheres	
Gas and/or	G
Dust	D
Marking in accordance with IEC/EN 60079-0 and IEC/EN 60079-7 for increased safety	
Manufacturer or trademark	PHOENIX CONTACT
Type Description	PT 2,5 ...
Abbreviation of the explosion protection	Ex
Type of protection	eb
Equipment group	II
Equipment protection level	Gb
ID of the notified body	PTB
ATEX certificate no. IECEx certificate no.	09 ATEX 1111 U IECEx PTB 10.0021 U

Worldwide explosion protection

IEC 60079

Explosion protection around the world is mainly based on the IEC 60079 series of international standards and on European and American standards and directives.

In North America, the basis for this is the National Electric Code (NEC) in the USA and the Canadian Electrical Code (CEC) in Canada. Directive 2014/34/EU is of particular importance to manufacturers of devices and protective systems within CENELEC countries of the European Union and beyond. We meet international requirements with IECEx certificates. This means that use with the "increased safety" Ex eb type of protection is permitted in zone 1 and 2 and with Ex ec in zone 2. However, this is only under the condition that the terminal blocks are installed in housings that are qualified and certified for the respective type of protection.

Requirements on terminal blocks

The types of protection "d" – flameproof enclosure, "p" – pressurized enclosure, "m", "q", and "o" (molded, sand or oil immersion) do not place any special requirements on terminal blocks. The protection principle of the increased safety "e" type of protection (IEC/EN 60079-7) is essentially based on stricter design measures. The most important of these for terminal blocks are:

- Air clearances and creepage distances
- Terminal blocks must be secured against loosening and they must be attached and designed such that the cables cannot come loose or become impermissibly damaged by the terminal point
- No transfer of clamping pressure via insulated parts
- Terminal blocks that are intended for the connection of multi-stranded conductors must be fitted with an elastic intermediate element

These requirements and the technical data are checked by an independent testing institute (notified body, e.g. PTB, DEKRA, KIWA, ...) and certified by the appropriate certificate. Proof of the following tests via type test:

- Type test in accordance with IEC 60947-7-1/-2
- Proof of air clearances and creepage distances and dielectric test
  – Aging test:
- Stored for 14 days at 95°C and 95% humidity
- Stored for 14 additional days in dry heat, level of TI value of insulation material

- Stored for 24 hours at a low temperature of -65°C with subsequent conductor pull-out test.

Ex e-approved terminal blocks from Phoenix Contact are standard modular terminal blocks. These terminals are individually tested in accordance with IEC/EN 60079 during the manufacturing process, including a dielectric test.

Components such as terminal blocks for use in potentially explosive areas must be marked, as shown in the example.

Note

Detailed information and installation notes for terminal blocks in the Ex area are available in the product area of the website at **phoenixcontact.net/products.**

The certificates certify that the testing was carried out by the respective notified body.

Connection capacity

IEC 60947-7-1/-2

This mechanical test defines the connection of standard conductors in accordance with the manufacturer's information.

Terminal blocks must be designed in such a way that conductors with the documented rated cross section and the rated connecting capacity can be connected. The specifications are documented by the manufacturer in metric [mm²] and American AWG values.

Rated cross section means:

Value of the maximum possible cross section of all connectable conductors (flexible and single or multi-stranded) that certain thermal, mechanical, and electrical requirements refer to.

Rated connection capacity means:

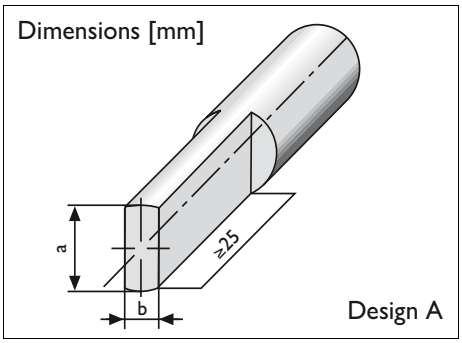
The range encompassing the largest to the smallest connectable cross section (reduced by at least two increments) and the number of connectable conductors for which the terminal block is designed.

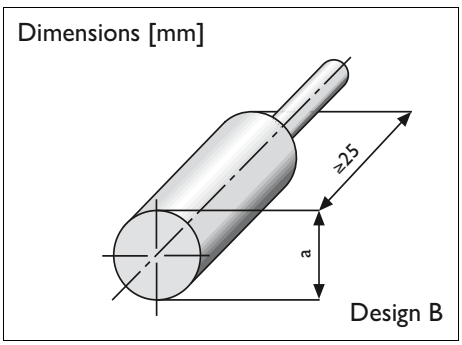
During the test, the terminal blocks are connected with the rated cross section and the rated connection capacity.

Alternatively, the rated cross section can also be verified using gauges, see illustrations.

It must be possible to freely insert conductors or gauges into or connect them to the open terminal point.

Terminal blocks from Phoenix Contact offer dimensions for the defined rated cross section that are well above those required by the standard. Thanks to appropriate design measures, the rated cross sections can also be connected with a ferrule and insulating collar for all terminal blocks from the CLIPLINE complete system.





Gauges (internal cylindrical gauge) of design A and B in accordance with IEC 60947-1

Structure and dimensions of connecting cables

Cross section	Single-Flexible		Multi-stranded		Fine-Flexible		American Wire Gauge						
	Diameter max. dimension	Number of strands	Diameter max. dimension	Number of strands (minimum)	Diameter max. dimension	Number of strands (guide value)	Gauge no.	Rigid conductors*			Flexible conductors*		
[mm²]	[mm]		[mm]		[mm]		AWG	[Ø mm]	[Circ. mil]	[mm²]	[Ø mm]	[Circ. mil]	[mm²]
0.2	0.5	1	-	-	-	-	24	0.51	404	0.21	-	-	-
0.5	0.9	1	1.1	7	1.1	16	20	0.81	1022	0.52	0.97	1111	0.56
0.75	1.0	1	1.2	7	1.3	24	18	1.02	1620	0.82	1.16	1600	0.82
1	1.2	1	1.4	7	1.5	32	(17)	1.15	2050	1.04	-	-	-
-	-	-	-	-	-	-	16	1.29	2580	1.31	1.50	2580	1.32
1.5	1.5	1	1.7	7	1.8	30	(15)	1.45	3260	1.65	-	-	-
-	-	-	-	-	-	-	14	1.63	4110	2.08	1.85	4100	2.09
2.5	1.9	1	2.2	7	2.3	50	(13)	1.83	5180	2.63	-	-	-
-	-	-	-	-	-	-	12	2.05	6530	3.31	2.41	6500	3.32
4	2.4	1	2.7	7	2.9	56	(11)	2.30	8230	4.17	-	-	-
-	-	-	-	-	-	-	10	2.59	10380	5.26	2.95	10530	5.37
6	2.9	1	3.3	7	3.9	84	(9)	2.91	13100	6.63	-	-	-
-	-	-	-	-	-	-	8	3.26	16510	8.37	3.73	16625	8.48
10	3.7	1	4.2	7	5.1	80	(7)	3.67	20800	10.56	4.15	20820	10.55
-	-	-	-	-	-	-	6	4.12	26240	13.30	4.67	26250	13.39
16	4.6	1	5.3	7	6.3	126	(5)	4.62	33100	16.77	5.24	33100	16.77
-	-	-	-	-	-	-	4	5.19	41740	21.15	5.90	41650	21.24
25	-	-	6.6	7	7.8	196	3	5.83	52600	26.67	6.61	52630	26.67
35	-	-	7.9	7	9.2	276	2	6.54	66360	33.62	7.42	66150	33.74
-	-	-	-	-	-	-	1	7.35	83690	42.41	8.33	83706	42.69
50	-	-	9.1	19	11	396	1/0	8.25	105600	53.51	9.35	104640	53.36
70	-	-	11	19	13.1	360	2/0	9.27	133100	67.44	10.52	132300	67.47
95	-	-	12.9	19	15.1	475	3/0	10.40	167800	85.03	11.79	172500	87.98
-	-	-	-	-	-	-	4/0	11.08	211600	107.22	13.26	210400	107.30
120	-	-	14.5	37	17	608	250 kcmil		250 MCM	127	14.62	250000	127.00
150	-	-	16.2	37	19	756	300 kcmil		300 MCM	152	16.00	300000	152.00
185	-	-	18	37	21	925	350 kcmil		350 MCM	177	17.30	350000	177.00
240	-	-	20.6	61	24	1224	500 kcmil		500 MCM	253	20.66	500000	253.00
300	-	-	23.1	61	27	1525	600 kcmil		600 MCM	304	-	-	-
400	-	-	26.1	61	31	-	-		-	-	-	-	-

* 1000 Circular mil = 1 MCM = 1 kcmil

Connecting aluminum conductors

UT and UKH series screw terminal blocks are suitable for the direct connection of aluminum conductors in accordance with the guidelines governing conductor pretreatment. Under pressure, aluminum yields more easily than copper due to a lower modulus of elasticity. It is said to "flow". Furthermore, after stripping the aluminum conductor, an oxide layer forms on the conductor surface due to its reaction with air. This oxide layer leads to increased contact resistance between the aluminum conductor and the terminal point. The oxide layer must therefore be removed before wiring. In addition, the maximum current carrying capacity of aluminum conductors is lower than that of copper wires. In general, if the same current carrying capacity is required of the aluminum conductor, the selected cross section will be larger than for a copper wire. Based on the properties specified, UT ... and UKH ... series screw connection terminal blocks from Phoenix Contact have been qualified for the use of aluminum conductors through extensive tests. An important quality feature of this qualification is the 1000-hour current cycling test in accordance with IEC 61545. As part of this test, current is applied to the terminal block and aluminum conductor combination for an hour and is then switched off for an hour. The cycle is repeated 500 times. During this 1000-hour period, temperature measurements are taken at the terminal points in accordance with a defined schedule. The measured values must not exceed defined limit values. The table below lists all Phoenix Contact screw connection terminal blocks that have undergone these tests.

Approved combinations of screw connection terminal blocks with aluminum conductors
Color versions of terminal block series are included in the approval.

Terminal block	Conductor cross section [mm²]														Recommended tightening torque [Nm]
	2.5	4	6	10	16	25	35	50	70	95	120	150	185	250	
UT 2,5 (-PE)	RE	RE													0.6
UT 4 (-PE)	RE	RE	RE												0.8
UT 6 (-PE)	RE	RE	RE	RE											1.8
UT 10 (-PE)	RE	RE	RE	RE	RE										1.8
UT 16 (-PE)	RE	RE	RE	RE	RE	RE									3.0
UT 35 (-PE)	RE	RE	RE	RE	RE	RE	RE								3.7
UKH 25			RE	RE	RE	RE									4.5
UKH 50							RE	SE							8
UKH 70								SE	SE						10
UKH 95									SE	SE					20
UKH 150											SE	SE			30
UKH 240													SE	SE	30

RE	Round, single-strand, Class 1, approved
SE	Sector-shaped, single-strand, Class 1, α = 90°, approved

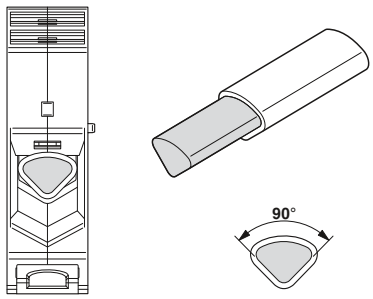
Single-strand aluminum conductors in round (RE) form up to 35 mm² with the relevant approved cross section can be connected directly to the above-listed feed-through terminal blocks with screw connections. When connecting aluminum conductors that are 50 mm² and above, only sector-shaped, rigid conductors (SE) may be used and inserted in accordance with the adjacent graphic.

When directly connecting aluminum conductors to UT ... and UKH ... series feed-through terminal blocks from Phoenix Contact, the following guidelines on conductor pretreatment must be followed:

– Remove the oxide layer from the stripped end of the aluminum conductor using a blade (suitable knife, e.g. the WIREFOX-D 13 stripping tool)
– Immerse immediately in non-acid and non-alkali neutral Vaseline.
– The installation location must be kept free of humidity and aggressive atmospheres.
– When using an aluminum conductor, tighten the screw in the clamping part of the screw terminal block with the recommended tightening torque of the respective terminal block. There is no need to tighten the terminal point. (See torque screwdriver, Catalog 3)
– The pretreatment must be repeated when reconnecting the conductors.

Mount sector-shaped aluminum conductors in accordance with the graphic in the terminal point of UKH terminal blocks. The rounded section of the conductor should be at the top so that the right-angled area of the aluminum conductor is positioned on the prism-shaped base of the terminal sleeve.

Accessories, for example, bi-metal cable lugs (Al/Cu compression cable lug), can be used to connect multi-stranded aluminum conductors.
See phoenixcontact.net/products

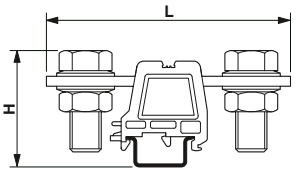


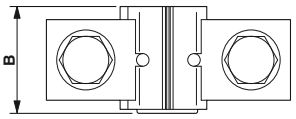
Example for UKH ...: Connecting sector-shaped, single-strand aluminum conductors

Bolt connection terminal blocks are available as single-bolt or double-bolt versions or with a screw/bolt mixed connection. The latter have high-current connectors with a terminal sleeve connection on one side and a screw set for the connection of cable lugs on the other side. The dimensions of the various types are shown in the following drawings and tables.

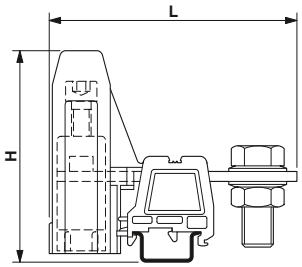
Secure cable lug connection

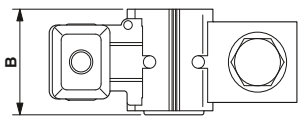
Cable lugs are securely connected in UHV ..., HV ..., and RT ... high-current terminal blocks using a screw set. In this case screw locking is achieved with a spring washer. You can connect cable lugs in accordance with DIN 46234, DIN 46235, and DIN 46237. A 2-conductor connection is also possible. In this case connect one conductor under the current bar using a cable lug and the other on top of the current bar. See diagram below right.



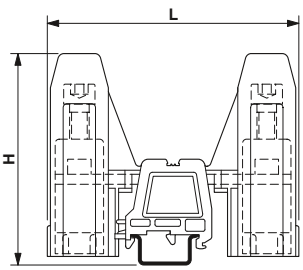


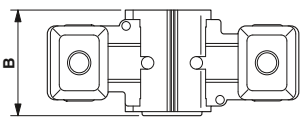
UHV ...AS/AS



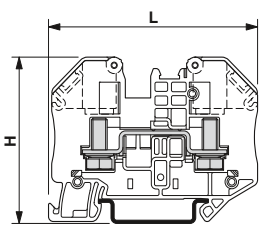


UHV ...KH/AS





UHV ...KH/KH



RT ... and RTO ...

UHV ... high-current connectors with bolt connection			
Type	**H [mm] / [inch]**	**L [mm] / [inch]**	**W [mm] / [inch]**
UHV 25-AS/AS	53 / 2.087	88 / 3.456	26 / 1.024
UHV 25-KH/AS	72 / 2.835	95 / 3.74	26 / 1.024
UHV 25-KH/KH	72 / 2.835	102,5 / 4.035	26 / 1.024
UHV 50-AS/AS	54.5 / 2.146	95 / 3.74	32 / 1.26
UHV 50-KH/AS	78 / 3.071	104 / 4.094	32 / 1.26
UHV 50-KH/KH	78 / 3.071	113.5 / 4.469	32 / 1.26
UHV 95-AS/AS	56 / 2.205	110 / 4.331	40 / 1.575
UHV 95-KH/AS	86 / 3.386	114 / 4.488	40 / 1.575
UHV 95-KH/KH	86 / 3.386	118.5 / 4.665	40 / 1.575
UHV 150-AS/AS	56 / 2.205	110 / 4.331	46 / 1.811
UHV 150-KH/AS	100 / 3.937	119 / 4.685	46 / 1.811
UHV 150-KH/KH	100 / 3.937	128.5 / 5.059	46 / 1.811
UHV 240-AS/AS	58 / 2.283	125 / 4.921	53 / 2.087
UHV 240-KH/AS	105.5 / 4.154	126.5 / 4.980	53 / 2.087
UHV 240-KH/KH	105.5 / 4.154	128.5 / 5.059	53 / 2.087

RT ... bolt connection terminal blocks CLIPLINE complete system			
Type	**H [mm] / [inch]**	**L [mm] / [inch]**	**W [mm] / [inch]**
RT 3	51 / 2.007	66 / 2.598	12.3 / 0.484
RT 4-T-TC	51 / 2.007	82.4 / 3.244	12.3 / 0.484
RT 5	51 / 2.007	66 / 2.598	16.3 / 0.641
RT 5-T	51 / 2.007	91.4 / 3.598	16.3 / 0.641
RT 8	63.8 / 2.511	84 / 3.307	20.3 / 0.799

RTO ... bolt connection terminal blocks CLIPLINE complete system			
Type	**H [mm] / [inch]**	**L [mm] / [inch]**	**W [mm] / [inch]**
RTO 3	49.9 / 1.965	66 / 2.598	12.3 / 0.484
RTO 4-T-TC	51 / 2.007	82.4 / 3.244	12.3 / 0.484
RTO 5	49.9 / 1.965	66 / 2.598	16.3 / 0.641
RTO 5-T	49.9 / 1.965	91.4 / 3.598	16.3 / 0.641
RTO 8	62.2 / 2.449	84 / 3.307	20.3 / 0.799

Safe Cu multi-layer conductor connection

Cu multi-layer conductors are reliably and safely clamped in the high-current terminal blocks UKH ... and UHV ... with the insertion profile (UKH ...EP). The insertion profile levels out the prism-shaped terminal sleeve base. This ensures that the Cu multi-layer conductor is contacted over a large area.

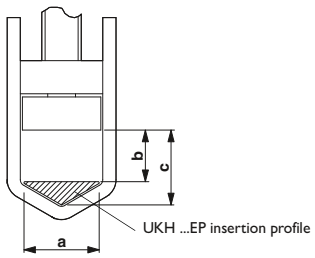
Clamping suitability of Cu multi-layer conductors

Cu multi-layers		Conductor current	Type	
Qty	Dimensions [mm]	[A]	UHV 50-KH/AS UHV 50-KH/KH	UHV 95-KH/AS UHV 95-KH/KH
3 x	9 x 0.8	100	X	X
6 x	9 x 0.8	160	X[1])	X
4 x	16 x 0.8	200	–	X
6 x	16 x 0.8	250	–	X[1])
10 x	16 x 0.8	400	–	X[1])
11 x	21 x 0.8	630	–	–

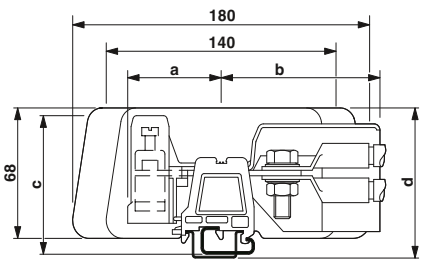
Cu multi-layers		Conductor current	Type	
Qty	Dimensions [mm]	[A]	UHV 150-KH/AS UHV 150-KH/KH	UHV 240-KH/AS UHV 240-KH/KH
3 x	9 x 0.8	100	–	–
6 x	9 x 0.8	160	X	–
4 x	16 x 0.8	200	X	X
6 x	16 x 0.8	250	X	X
10 x	16 x 0.8	400	X[1])	X
11 x	21 x 0.8	630	–	X[1])

[1]) Observe nominal current of terminal blocks.

Internal dimensions of terminal sleeves



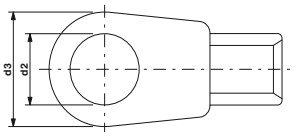
Internal dimensions in [mm] / [inch]			
Type	**a**	**b**	**c**
UKH 25 / UHV 25-KH/...	9 / 0.354	– / –	8.5 / 0.335
UKH 50 / UHV 50-KH/...	11 / 0.433	7.5 / 0.295	12 / 0.472
UKH 95 / UHV 95-KH/...	15 / 0.591	11 / 0.433	15 / 0.591
UKH 150 / UHV 150-KH/...	19.5 / 0.768	11 / 0.433	18 / 0.709
UKH 240 / UHV 240-KH/...	24 / 0.945	19 / 0.748	26 / 1.024



Dimensions for covering hoods and partition plates [mm] / [inch]				
Type	**a**	**b**	**c**	**d**
UHV 25	51 / 2.008	82 / 3.228	70 / 2.756	63 / 2.48
UHV 50	57 / 2.244	97 / 3.819	76 / 2.992	68 / 2.677
UHV 95	59 / 2.323	112 / 4.409	84 / 3.307	75 / 2.953
UHV 150	64 / 2.52	125 / 4.921	98 / 3.858	81 / 3.189
UHV 240	64 / 2.52	143 / 5.63	103 / 4.055	87 / 3.425

Cable lugs			DIN 46234				DIN 46235				DIN 46237			
	Conductor cross section		Hole diameter d2		Width d3		Hole diameter d2		Width d3		Hole diameter d2		Width d3	
	[mm²] / [AWG]		[mm] / [inch]		[mm] / [inch]		[mm] / [inch]		[mm] / [inch]		[mm] / [inch]		[mm] / [inch]	
M3	0.5	20	3.2	0.126	5	0.197	–	–	–	–	–	–	–	–
	1	17	3.2	0.126	6	0.236	–	–	–	–	3.2	0.126	6	0.236
	2.5	14	3.2	0.126	6	0.236	–	–	–	–	3.2	0.126	6	0.236
M5	0.5	20	5.3	0.208	8	0.315	–	–	–	–	–	–	–	–
	1	17	5.3	0.208	10	0.394	–	–	–	–	5.3	0.208	10	0.394
	2.5	14	5.3	0.208	10	0.394	–	–	–	–	5.3	0.208	10	0.394
	6	10	5.3	0.208	10	0.394	5.3	0.208	8.5	0.335	5.3	0.208	10	0.394
	10	8	5.3	0.208	11	0.433	5.3	0.208	9	0.354	–	–	–	–
	16	6	5.3	0.208	11	0.433	–	–	–	–	–	–	–	–
	25	3	5.3	0.208	12	0.472	–	–	–	–	–	–	–	–
M6	1.5	16	6.4	0.252	10	0.394	–	–	–	–	–	–	–	–
	2.5	14	6.4	0.252	11	0.433	–	–	–	–	6.5	0.256	11	0.433
	6	10	6.4	0.252	11	0.433	6.4	0.252	8.5	0.335	6.5	0.256	11	0.433
	10	8	6.4	0.252	11	0.433	6.4	0.252	9	0.354	–	–	–	–
	16	6	6.4	0.252	11	0.433	6.4	0.252	12	0.472	–	–	–	–
	25	3	6.4	0.252	12	0.472	6.4	0.252	14	0.551	–	–	–	–
	35	2	6.4	0.252	16	0.63	–	–	–	–	–	–	–	–
	50	0	6.4	0.252	18	0.709	–	–	–	–	–	–	–	–
M8	2.5	14	8.4	0.331	14	0.551	–	–	–	–	8.4	0.331	14	0.551
	6	10	8.4	0.331	14	0.551	–	–	–	–	8.4	0.331	14	0.551
	10	8	8.4	0.331	14	0.551	–	–	–	–	–	–	–	–
	16	6	8.4	0.331	14	0.551	8.4	0.331	13	0.512	–	–	–	–
	25	3	8.4	0.331	16	0.63	8.4	0.331	16	0.63	–	–	–	–
	35	2	8.4	0.331	16	0.63	8.4	0.331	17	0.669	–	–	–	–
	50	0	8.4	0.331	18	0.709	8.4	0.331	20	0.787	–	–	–	–
	70	00	8.4	0.331	22	0.866	8.4	0.331	24	0.945	–	–	–	–
	95	000	8.4	0.331	24	0.945	–	–	–	–	–	–	–	–
	120	250 kcmil	8.4	0.331	24	0.945	–	–	–	–	–	–	–	–
M10	6	10	10.5	0.413	18	0.709	–	–	–	–	10.5	0.413	18	0.709
	10	8	10.5	0.413	18	0.709	–	–	–	–				
	16	6	10.5	0.413	18	0.709	10.5	0.413	17	0.669				
	25	3	10.5	0.413	18	0.709	10.5	0.413	17	0.669				
	35	2	10.5	0.413	18	0.709	10.5	0.413	19	0.748				
	50	20	10.5	0.413	18	0.709	10.5	0.413	22	0.866				
	70	00	10.5	0.413	22	0.866	10.5	0.413	24	0.945				
	95	000	10.5	0.413	24	0.945	10.5	0.413	28	1.102				
	120	250 kcmil	10.5	0.413	24	0.945	10.5	0.413	32	1.26				
	150	300 kcmil	10.5	0.413	30	1.181	10.5	0.413	34	1.339				
	185	350 kcmil	10.5	0.413	36	1.417	10.5	0.413	37	1.457				
	240	500 kcmil	10.5	0.413	38	1.496	–	–	–	–				
M12	10	8	13	0.512	22	0.866	–	–	–	–				
	16	6	13	0.512	22	0.866	–	–	–	–				
	25	3	13	0.512	22	0.866	13	0.512	19	0.748				
	35	2	13	0.512	22	0.866	13	0.512	21	0.827				
	50	0	13	0.512	22	0.866	13	0.512	24	0.945				
	70	00	13	0.512	22	0.866	13	0.512	24	0.945				
	95	000	13	0.512	24	0.945	13	0.512	28	1.102				
	120	250 kcmil	13	0.512	24	0.945	13	0.512	32	1.26				
	150	300 kcmil	13	0.512	30	1.181	13	0.512	34	1.339				
	185	350 kcmil	13	0.512	36	1.417	13	0.512	37	1.457				
	240	500 kcmil	13	0.512	38	1.496	13	0.512	42	1.654				
M16	25	3	17	0.669	28	1.102	–	–	–	–				
	35	2	17	0.669	28	1.102	–	–	–	–				
	50	0	17	0.669	28	1.102	17	0.669	28	1.102				
	70	00	17	0.669	28	1.102	17	0.669	30	1.181				
	95	000	17	0.669	28	1.102	17	0.669	32	1.26				
	120	250 kcmil	17	0.669	28	1.102	17	0.669	32	1.26				
	150	300 kcmil	17	0.669	30	1.181	17	0.669	34	1.339				
	185	350 kcmil	17	0.669	36	1.417	17	0.669	37	1.457				
	240	500 kcmil	17	0.669	38	1.496	17	0.669	42	1.654				

Cable lug
DIN 46234: 1980-03



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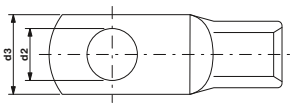
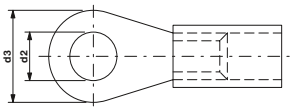
DIN 46235: 1980-07



Cable lug
DIN 46237



Mechanical strength

IEC 60947-7-1/-2

The mechanical strength of the terminal point is checked in a practical test. For this purpose, the terminal points of the terminal blocks must be repeatedly connected without loss of quality of the terminal connection.

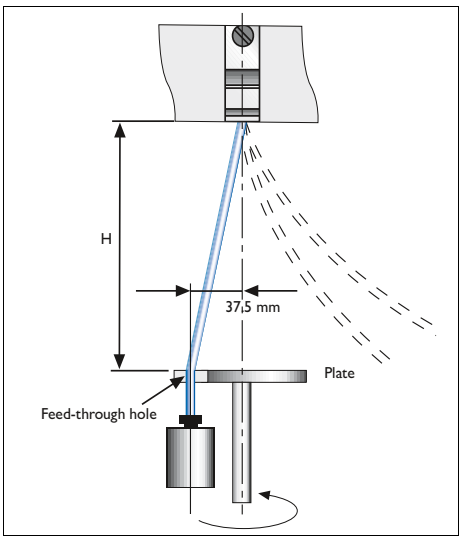
Rigid conductors of the rated cross section are inserted into and removed from two terminal points of the central of five terminal blocks five times. If screw terminal blocks are being used, the terminal points must be tightened to the torque in accordance with the manufacturer's information. Before and after the test, the terminal block must pass a voltage-drop test. The terminal point must withstand repeated reconnection without sustaining noticeable damage. The voltage drop before and after the test must not exceed 3.2 mV nor must it exceed 1.5 times the value measured before the test. Terminal blocks from Phoenix Contact are suitable for repeated connection without any recognizable loss of quality. The extent of possible connections and disconnections can reach up to 5000 cycles, depending on the connection technology.

Bending test – flexion test

IEC 60947-7-1/-2

Correctly wired terminal blocks must offer a high degree of mechanical safety. This includes the reliable clamping of the conductor. Therefore, tests are performed with rigid and flexible wires with the minimum cross section, with the rated cross section, and with the maximum cross section. A vertically fixed terminal block is connected to a conductor. A test weight corresponding to the cross section is attached at the end of the conductor. The conductor is fed through a central 37.5 mm aperture in a rotating disk and turned about its own axis 135 times. This procedure must not damage the clamping area on the conductor. Afterwards, the contact must pass a conductor pull-out test. Terminal blocks from Phoenix Contact are designed to ensure that the conductor makes contact in the clamping area without causing damage. The conductor and contact point remain unaffected and retain the same properties even after repeated clamping.

Cross section		Distance H	Load
[mm²]	AWG	[mm]	[kg]
0.2	24	260	0.2
to	to	to	to
4	12	280	0.9
to	to	to	to
240	500 kcmil	464	20.0



Test equipment in accordance with the standard

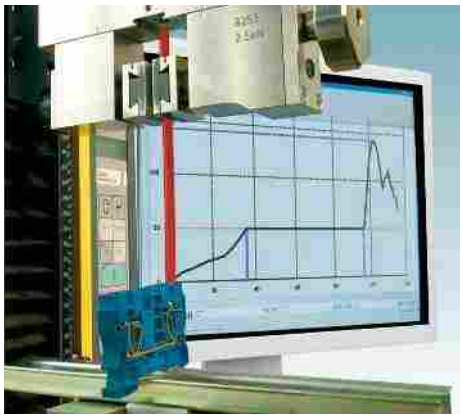
Conductor pull-out test

IEC 60947-7-1/-2

Tensile forces can affect the terminal point during wiring or operation. Correctly wired terminal blocks must therefore offer a high degree of mechanical safety. To test the tensile load capacity of a terminal point, the terminal point must withstand a given tensile force based on the cross section for over 60 seconds. This test is performed after the flexion test. Performing these two tests directly one after the other intensifies the requirements. The tensile force exerts stress on the conductor at the terminal point. The conductor must be held within the terminal point without sustaining damage. The test results for terminal blocks from Phoenix Contact are up to 150% above the required minimum values.

Conductor pull-out forces in accordance with IEC 60999 / EN 60999 / VDE 0609-1, Table III (up to 300 mm²)

Conductor cross section		Tensile force
[mm²]	AWG	[N]
0.2 0.34	24 22	10 15
0.5 0.75	20 18	20 30
1.0 1.5	– 16	35 40
2.5 4.0	14 12	50 60
6.0 10	10 8	80 90
16 25	6 4	100 135
– 35	3 2	156 190
– 50	1 0	236 236
70 95	00 000	285 351
– 120	0000 250 kcmil	427 427
150 185	300 kcmil 350 kcmil	427 503
– 240	400 kcmil 500 kcmil	503 578
300	600 kcmil	578



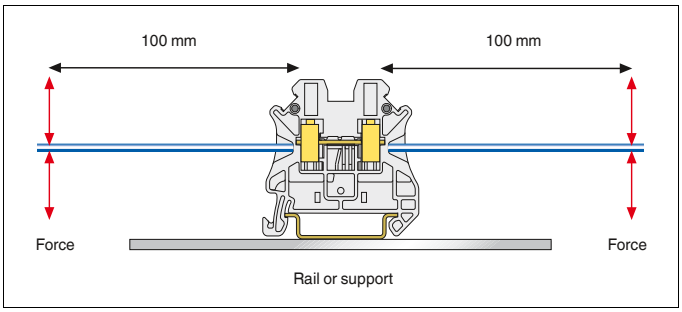
Absorption of tensile force on a 10 mm² spring-cage terminal block

Tight fit of the terminal block

IEC 60947-7-1/-2

Besides the reliable contacting of the conductor, the terminal block itself must be able to withstand forces without coming loose from its support. Furthermore, no unacceptable damage may occur. To test whether the fit is tight, a terminal block is mounted on a standard DIN rail in accordance with the manufacturer's information. Then steel rods with a length of 150 mm are clamped into the terminal points. Tensile and pressure forces based on the cross section are exerted on the terminal points and the latching of the terminal block with a lever distance of 100 mm. The terminal block must not come loose or break off the rail. The structural design of the terminal blocks from Phoenix Contact ensures a reliable tight fit on different DIN rail systems.

Cross section [mm²]	Cross section AWG	Force [N]	Diameter of the steel bar [mm]
0.75	18	1	1.0
1		1	1.0
1.5	16	1	1.0
2.5	14	1	1.0
4	12	1	1.0
6	10	5	2.8
10	8	5	2.8
35	2	10	5.7
50	0	10	5.7
240	500 kcmil	20	20.5



DIN rails

DIN rails/protective conductor busbars
Extract from IEC 60947-7-2 / EN 60947-7-2 / DIN EN 60947-7-2 / VDE 0611-3

Phoenix Contact type	Rail profile	Material	Short-circuit current rating ≙ E CU conductor [mm²]*	Short-time withstand current 1 s [kA]	Maximum permissible thermal nominal current for PEN function [A]
NS 15 UNPERF 2000MM	DIN rail, in acc. with EN 60715 – 15 x 5.5	Steel	10	1.2	* *
NS 15 PERF 2000MM	DIN rail, in acc. with EN 60715 – 15 x 5.5	Steel	10	1.2	* *
NS 15-AL PERF 2000MM	DIN rail, dimensions in acc. with EN 60715 – 15 x 5.5	Aluminum	16	1.92	76
NS 32 UNPERF 2000MM	G-profile rail, in acc. with EN 60715 – G 32	Steel	35	4.2	* *
NS 32 PERF 2000MM	G-profile rail, in acc. with EN 60715 – G 32	Steel	35	4.2	* *
NS 32-CU/35 QMM UNPERF 2000MM	G-profile rail, dimensions in acc. with EN 60715 – G 32	Copper	120	14.4	269
NS 32-CU/120 QMM UNPERF 2000MM	G-profile rail, similar to EN 60715 – G 32	Copper	150	18.0	309
NS 35/7,5 UNPERF 2000MM	DIN rail, in acc. with EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 PERF 2000MM	DIN rail, in acc. with EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 ZN UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 ZN PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5 V2A UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Steel	16	1.92	* *
NS 35/7,5-CU UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Copper	50	6.0	150
NS 35/7,5-AL UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 7.5	Aluminum	35	4.2	125
NS 35/15-2,3 UNPERF 2000MM	DIN rail, in acc. with EN 60715 – 35 x 15	Steel	50	6.0	* *
NS 35/15 UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15 PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15 ZN UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15 ZN PERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Steel	25	3.0	* *
NS 35/15-CU UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Copper	95	11.4	232
NS 35/15-AL UNPERF 2000MM	DIN rail, similar to EN 60715 – 35 x 15	Aluminum	70	8.4	192

* Cross sections calculated in acc. with IEC 60439-1 / EN 60439-1 / DIN EN 60439-1 / VDE 0660-500.
* * Protective conductor busbars made of steel must not be used for PEN function.

Air clearances and creepage distances

IEC 60947-7-1 / UL 1059

Carrying out a dimensional check of air clearances and creepage distances verifies that electrical insulation properties are adequate with respect to the following:

– Application
– Expected contamination
– Ambient conditions

The minimum distances are defined in IEC 60947-1 and UL 1059.

The distance is verified by measuring between two adjacent terminal blocks and the support, taking into account the shortest distances.

For the clearance, this means:

The clearance is the shortest distance in the air between two conductive parts. The deciding factors for rating the minimum clearance values are the rated surge voltage and the overvoltage category of the terminal block.

For the creepage distances, this means:

The creepage distance is the shortest distance along the insulating body between two conductive parts. The deciding factors for determining the minimum creepage distance are the rated voltage, the pollution degree, and the insulation material group of the terminal block.

The minimum values can be taken from the tables of the relevant standards.

IEC 60947-7-1

Phoenix Contact terminal blocks are designed with overvoltage category III and pollution degree 3 with the required distances.

UL 1059

Phoenix Contact terminal blocks are generally designed for a nominal voltage of 600 V in Use Group C.

Detailed information can be found in the data sheets or the catalog documentation.

UL Use Group	Definition	Maximum voltage [V]
A	Operating elements, consoles, and similar devices	150 300 600
B	Conventional devices, including office and electronic data processing equipment, and similar devices	150 300 600
C	Industrial applications, without restrictions	150 300 600
D	Industrial applications, equipment with limited rating	300 600

Insulation coordination for electrical equipment in low-voltage systems

Rating of air clearances and creepage distances in accordance with DIN EN 60664-1 / VDE 0110-1.

This part of the standard is based on IEC 60664. It contains the specifications for insulation coordination for equipment in low-voltage systems. This part is applicable for equipment for use up to an altitude of up to 2000 m above sea level. This basic safety standard is primarily aimed at technical committees. If suitable product directives are not available for a piece of equipment, the standard can be applied at the responsibility of the user. International and European product standards are cited in this catalog. These standards contain specifications for insulation coordination in accordance with DIN EN 60664 / VDE 0110-1.

Insulation coordination

Insulation coordination includes the selection of electrical insulation properties for equipment depending on the intended application and ambient conditions. Separate requirements must be applied for air clearances and creepage distances and for fixed insulation. The surge voltages to be expected, the characteristics of surge protective devices, and the pollution levels at the intended site must be considered when dimensioning clearances. Clearances are to be dimensioned in accordance with the external or internal surge voltages to be expected. Different overvoltages, grouped into categories, with a numerical value that determines an impulse withstand voltage, determine the required clearance directly. These overvoltage categories (I to IV) are used for equipment that is directly supplied by low-voltage grids. They are primarily based on a statistical study. Definitions of the individual categories are listed below as an extract of the DIN EN 60664 / VDE 0110-1 standards.

The clearances can be calculated in accordance with Table 2, Minimum clearances, depending on the homogeneity level of the field between the electrodes (case A – non-homogeneous field, case B – homogeneous field).

Clearances in accordance with case A are capable of withstanding the assigned impulse voltages under all conditions. Equipment rated in accordance with case a can therefore be used without further testing. Clearance values in accordance with case B are based on ideal conditions. Clearance values falling between case A and case B must be verified via an impulse voltage test.

The voltages present, the properties of the insulation materials, the pollution levels to be expected, and safety measures against pollution are considered when dimensioning creepage distances.

The effect of pollution is considered when determining the air clearances and creepage distances in accordance with three degrees of severity (pollution degree 1 to 3).

The creepage distances are based on the rated voltage, which is derived from the working voltage or nominal mains voltage. The minimum creepage distances are assigned to the rated voltages in accordance with the pollution degree in Table 4.

If the respective product descriptions do not contain any additional specifications, the products listed in this catalog are rated for overvoltage category III and pollution degree 3 in accordance with this provision (DIN EN 60664-1 / VDE 0110-1).

Overvoltage categories I to IV

– Equipment in **overvoltage category IV** can be used at the terminal point of the installation.
  Note: Examples of this kind of equipment include electricity meters and primary overcurrent protection devices.
– Equipment in **overvoltage category III** can be used in fixed installations and in cases where there are special requirements on the reliability and availability of the equipment.
  Note: Examples of this kind of equipment include switches in fixed installations and equipment for industrial use that is permanently connected to the fixed installation.
– Equipment in **overvoltage category II** is energy-consuming equipment fed by the fixed installation.
  Note: Examples of this kind of equipment include household appliances, portable tools, other domestic appliances, and similar devices.
– Equipment in **overvoltage category I** can be connected to circuits in which measures have been taken to limit the transient overvoltages to a suitably low value.

Pollution degrees 1 to 4

The following four pollution degrees have been defined for the micro-environment in order to determine air clearances and creepage distances:

– **Pollution degree 1**
  No pollution or only dry, non-conductive pollution occurs. The pollution does not have an effect.
– **Pollution degree 2**
  Only non-conductive pollution occurs. However, temporary conductivity due to condensation is to be expected.
– **Pollution degree 3**
  Conductive pollution occurs or dry, non-conductive pollution which becomes conductive, since condensation is to be expected.
– **Pollution degree 4**
  Permanent conductivity occurs, caused by conductive dust, rain or moisture.

Insulation material

DIN EN 60664 / VDE 0110-1 classifies insulation materials into four groups depending on their CTI values obtained using solution A in accordance with IEC 60112.

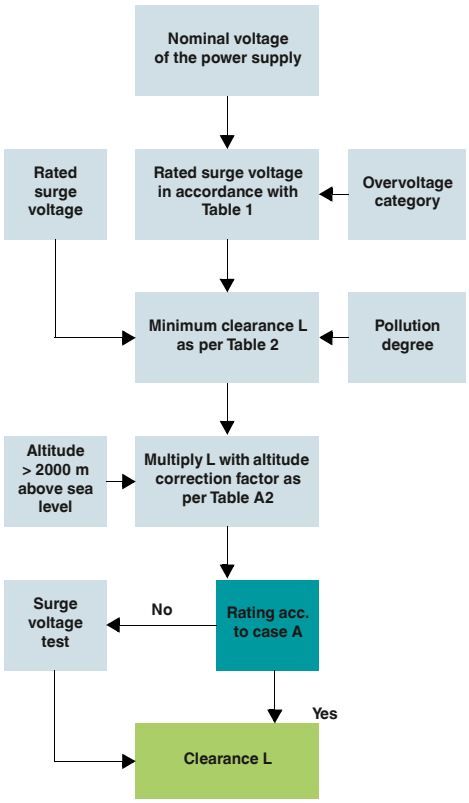
Insulation material group I: 600 CTI
Insulation material group II: 400 CTI 600
Insulation material group III a: 175 CTI 400
Insulation material group III b: 100 CTI 175.

The comparative tracking index of the creepage distance formation must have been determined based on suitable samples using test solution A in accordance with DIN IEC 60112.

The proof tracking index of the creepage distance formation (PTI) is used as proof of the creepage current properties of insulation materials.

Dimensioning of clearances

Schematic for determining clearances



Rated surge voltages for equipment that is directly supplied by the low-voltage network (extract from Table 1)

Nominal voltage of the power supply system [1] (mains) as per IEC 60038 [3]		Conductor-neutral conductor voltage derived from the total nominal AC voltage or nominal DC voltage	Rated surge voltage [2] [V]			
Three-phase	Single-phase		Overvoltage category [4]			
[V]	[V]	[V]	I	II	III	IV
	120 to 240	50	330	500	800	1500
		100	500	800	1500	2500
		150	800	1500	2500	4000
230/400 277/480		300	1500	2500	4000	6000
400/690		600	2500	4000	6000	8000
1000		1000	4000	6000	8000	12000

[1]) Refer to Annex B for application in existing deviating low-voltage networks and their nominal voltages.

[2]) Equipment with this rated surge voltage may be used in systems in accordance with IEC 60364-4-443.

[3]) The slash, i.e., /, indicates a three-phase four-conductor system. The lower value is the conductor-to-neutral-conductor voltage, whereas the higher value is the conductor-to-conductor voltage. When only one value is specified, it refers to a three-phase three-conductor system, and indicates the conductor-to-conductor voltage.

[4]) Refer to 2.2.2.1.1 for an explanation of overvoltage categories.

Minimum clearances for transient overvoltages (extract from Table 2)

Required impulse withstand voltage [1] [5]	Condition A Non-homogeneous field (refer to 3.15)			Condition B Homogeneous field (refer to 3.14)		
	Pollution degree [6]			Pollution degree [6]		
	1	2	3	1	2	3
[kV]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
0.33 [2])	0.01	0.2 [3]) [4])	0.8 [4])	0.01	0.2 [3]) [4])	0.8 [4])
0.40	0.02			0.02		
0.5 [2])	0.04			0.04		
0.60	0.06			0.06		
0.80 [2])	0.10			0.10		
1.0	0.15			0.15		
1.2	0.25	0.25		0.2		
1.5 [2])	0.5	0.5		0.3	0.3	
2.0	1.0	1.0	1.0	0.45	0.45	
2.5 [2])	1.5	1.5	1.5	0.6	0.6	
3.0	2.0	2.0	2.0	0.8	0.8	
4.0 [2])	3	3	3	1.2	1.2	1.2
5.0	4	4	4	1.5	1.5	1.5
6.0 [2])	5.5	5.5	5.5	2	2	2
8.0 [2])	8	8	8	3	3	3
10	11	11	11	3.5	3.5	3.5
12 [2])	14	14	14	4.5	4.5	4.5
15	18	18	18	5.5	5.5	5.5
20	25	25	25	8	8	8
25	33	33	33	10	10	10
30	40	40	40	12.5	12.5	12.5
40	60	60	60	17	17	17
50	75	75	75	22	22	22
60	90	90	90	27	27	27
80	130	130	130	35	35	35
100	170	170	170	45	45	45

[1]) This voltage is:
– For function insulation: the highest surge voltage expected for the clearance
– For basic insulation, if influenced directly or considerably by transient overvoltages from the low-voltage network: the rated surge voltage of the equipment
– For a different basic insulation: the highest surge voltage possible in the circuit.

[2]) Preferred values

[3]) For PCBs, the values of pollution degree 1 are applicable, except that no deviation below the value of 0.04 mm is permitted, as specified in Table 4.

[4]) Minimum clearances for pollution degrees 2 and 3 are based on the corresponding creepage distances. This resistance is reduced due to the effects of humidity.

[5]) Values can be interpolated for parts or circuits within equipment that are subjected to surge voltages.

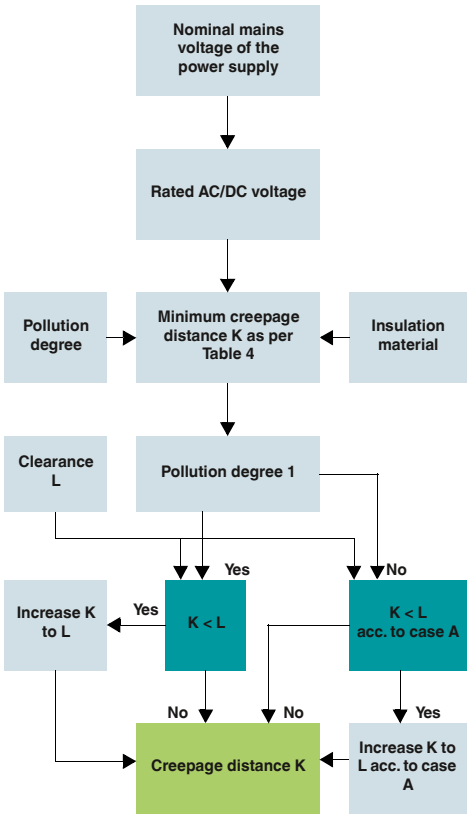
[6]) The distances for pollution degree 4 are equal to those for pollution degree 3, except that the minimum clearance is 1.6 mm.

Altitude correction factors (extract from Table A.2)

Altitude [m]	Normal air pressure [kPa]	Multiplication factor for distances
2000	80.0	1.00
3000	70.0	1.14
4000	62.0	1.29
5000	54.0	1.48
6000	47.0	1.70
7000	41.0	1.95
8000	35.5	2.25
9000	30.5	2.62
10000	26.5	3.02
15000	12.0	6.67
20000	5.5	14.50

Dimensioning of creepage distances

Schematic for determining creepage distances



Single-phase three or two-conductor AC or DC voltage systems (extract from Table 3 a)

Nominal voltage of the power supply system (mains) *)	Voltages for Table 4	
	For conductor-to-conductor insulation 1)	For conductor-to-ground insulation 1)
	All systems	Three-conductor systems center point grounded
[V]	[V]	[V]
12.5	12.5	–
24 25	25	–
30	32	–
42 48 50 **)	50	–
60	63	–
30-60	63	32
100 **)	100	–
110 120	125	–
150 **)	160	–
220	250	–
110-220 220-240	250	125
300 **)	320	–
220-440	500	250
600 **)	630	–
480-960	1000	500
1000 **)	1000	–

1) Conductor-to-ground insulation levels for non-grounded systems or those grounded through impedance correspond to conductor-to-conductor insulation levels as the operating voltage of every conductor to ground can, in practice, reach the conductor-to-conductor voltage. This is based on the fact that the actual voltage to ground is determined by the insulation resistance and capacitive reactance of each conductor to ground. Therefore, a low (but permissible) insulation resistance of a conductor can practically ground this and raise the two others to conductor-to-conductor voltage to ground.
*) Refer to 2.2.1 for correlation with the rated voltage.
**) These values correspond to the values in Table 1.

Three-phase four or three-conductor AC voltage systems (extract from Table 3 b)

Nominal voltage of the power supply system (mains) *)	Voltages for Table 4		
	For conductor-to-conductor insulation	Insulation for conductor to ground	
	All systems	Three-phase four-conductor systems with grounded neutral conductor 2)	Three-phase three-conductor systems non-grounded 1) or conductor grounded
[V]	[V]	[V]	[V]
60	63	32	63
110/120/127	125	80	125
150 **)	160	–	160
208	200	125	200
220/230/240	250	160	250
300 **)	320	–	320
380/400/415	400	250	400
440	500	250	400
480/500	500	320	500
575	630	400	630
600 **)	630	–	630
660/690	630	400	630
720/830	800	500	800
960	1000	630	1000
1000 **)	1000	–	1000

1) Conductor-to-ground insulation levels for non-grounded systems or those grounded through impedance correspond to conductor-to-conductor insulation levels as the operating voltage of every conductor to ground can, in practice, reach the conductor-to-conductor voltage. This is based on the fact that the actual voltage to ground is determined by the insulation resistance and capacitive reactance of each conductor to ground. Therefore, a low (but permissible) insulation resistance of a conductor can practically ground this and raise the two others to conductor-to-conductor voltage to ground.
2) For equipment designed for use in three-phase four-conductor and three-phase three-conductor systems, grounded as well as non-grounded, only the values for three-conductor systems may be used.
*) Refer to 2.2.1 for correlation with the rated voltage.
**) These values correspond to the values in Table 1.

Creepage distances to prevent failures occurring due to creepage (extract from Table 4)

Voltage 1) r.m.s. value	Minimum creepage distances								
	Printed circuits		Pollution degree						
	Pollution degree 1	Pollution degree 2	1	2			3		
	All insulation material groups	All insulation material groups except III b	All insulation material groups	Insulation material group			Insulation material group		
				I	II	III	I	II	III 2)
[V]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
10	0.025	0.04	0.08	0.4	0.4	0.4	**1.00**	**1.00**	**1.00**
12.5	0.025	0.04	0.09	0.42	0.42	0.42	**1.05**	**1.05**	**1.05**
16	0.025	0.04	0.10	0.45	0.45	0.45	**1.10**	**1.10**	**1.10**
20	0.025	0.04	0.110	0.48	0.48	0.48	**1.20**	**1.20**	**1.20**
25	0.025	0.04	0.125	0.5	0.5	0.5	**1.25**	**1.25**	**1.25**
32	0.025	0.04	0.140	0.53	0.53	0.53	**1.30**	**1.30**	**1.30**
40	0.025	0.04	0.16	0.56	0.8	1.1	**1.4**	**1.6**	**1.8**
50	0.025	0.04	0.18	0.6	0.85	1.2	**1.5**	**1.7**	**1.9**
63	0.040	0.63	0.20	0.63	0.9	1.25	**1.6**	**1.8**	**2.0**
80	0.063	0.10	0.22	0.67	0.95	1.3	**1.7**	**1.9**	**2.1**
100	0.10	0.16	0.25	0.71	1.0	1.4	**1.8**	**2.0**	**2.2**
125	0.16	0.25	0.28	0.75	1.05	1.5	**1.9**	**2.1**	**2.4**
160	0.25	0.4	0.32	0.8	1.1	1.6	**2.0**	**2.2**	**2.5**
200	0.40	0.63	0.42	1.0	1.4	2.0	**2.5**	**2.8**	**3.2**
250	0.56	1.0	0.56	1.25	1.8	2.5	**3.2**	**3.6**	**4.0**
320	0.75	1.6	0.75	1.6	2.2	3.2	**4.0**	**4.5**	**5.0**
400	1.0	2.0	1.00	2.0	2.8	4.0	**5.0**	**5.6**	**6.3**
500	1.3	2.5	1.30	2.5	3.6	5.0	**6.3**	**7.1**	**8.0**
630	1.8	3.2	1.80	3.2	4.5	6.3	**8.0**	**9**	**10.0**
800	2.4	4.0	2.40	4.0	5.6	8.0	**10.0**	**11**	**12.5**
1000	3.2	5.0	3.20	5.0	7.1	10	**12.5**	**14**	**16.0**
1250			4.20	6.3	9	12.5	**16**	**18**	**20**
1600			5.60	8	11	16	**20**	**22**	**25**
2000			7.50	10	14	20	**25**	**28**	**32**
2500			10	12.5	18	25	**32**	**36**	**40**
3200			12.5	16	22	32	**40**	**45**	**50**
4000			16	20	28	40	**50**	**56**	**63**
5000			20	25	36	50	**63**	**71**	**80**
6300			25	32	45	63	**80**	**90**	**100**
8000			32	40	56	80	**100**	**110**	**125**
10000			40	50	71	100	**125**	**140**	**160**

1) This voltage is:
a) For function insulation: the working voltage.
b) For basic and additional insulation of a circuit supplied directly by the low-voltage network: either the voltage selected from Table 3 a or 3 b on the basis of the rated voltage of the equipment or the rated insulation voltage.
c) For basic and additional insulation of systems, equipment, and internal circuits which are not supplied directly from the mains: the highest r.m.s. value of the voltage that, within the bounds of the rated data, can occur in the system, the equipment or the internal circuit, when supplied with rated voltage and in the case of the most unfavorable combination of operating conditions.

2) With pollution degree 3, insulation material group III b is not recommended for use if voltages are greater than 630 V.

Dielectric test

IEC 60947-7-1/-2/UL 1059

This electrical test is used to demonstrate adequate creepage distances.

To test that the distances between the potentials of two neighboring terminal blocks and between a terminal block and the DIN rail are sufficient, an appropriate test voltage is applied.

Rated insulation voltage (U_i)

The r.m.s. or DC voltage value that is permanently acceptable as a maximum when correctly used.

The test voltage must be applied over 60 seconds. The assignment illustrated in the table is to be used as the basis for this.

Rated insulation voltage U_i [V]	Test voltage (effective) [V]
U_i 60	1000
60 < U_i 300	1500
300 < U_i 690	1890
690 < U_i 800	2000
800 < U_i 1000	2200
1000 < U_i 1500	

IEC 60947-7-1/-2

No sparkover or disruptive discharge may occur during testing. Creepage currents must stay below 100 mA.

UL 1059

Up to 600 V:

Test voltage = 1000 V + 2 x rated insulation voltage U_i.

601 V ... 1500 V:

Test voltage = 2000 V + 2.25 x rated insulation voltage U_i.

Surge voltage test

IEC 60947-7-1/-2

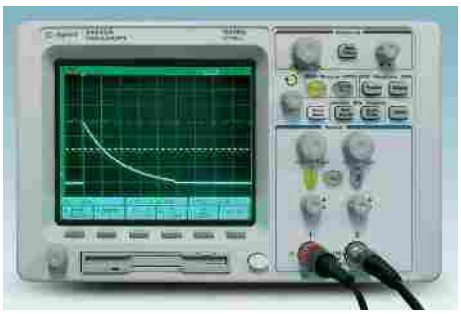
Proof of sufficiently large clearances between two neighboring potentials is provided by means of the surge voltage test.

The test with the surge voltage is carried out five times at intervals of at least 1 s. The test is carried out for each polarity depending on the rated insulation voltage.

The distance between neighboring terminal blocks or between the terminal block and rail is examined.

There must be no unintentional sparkovers during the test.

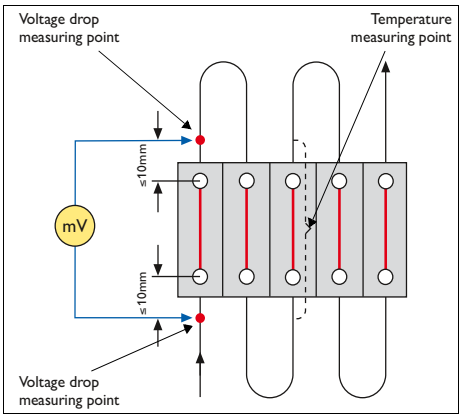
Rated surge voltages for Phoenix Contact terminal blocks are between 6 and 8 kV. Operationally safe use of the documented operating voltages of the terminal blocks is thereby effectively confirmed.

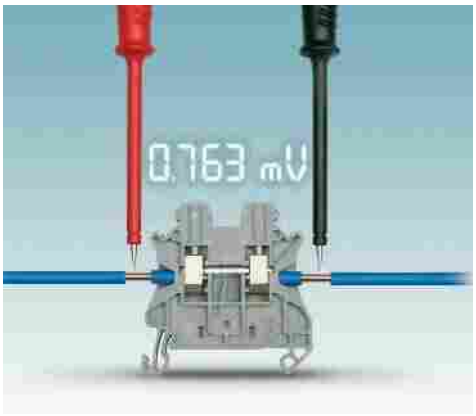


The oscilloscope shows the time curve for a surge voltage pulse

Voltage-drop test

IEC 60947-7-1/-2





Voltage pick-off on a screw terminal block

In every terminal point of a terminal block, one or more conductors are connected – depending on the connection technology. Current transfer is strongly affected by the electrical resistance between the conductor and the current bar. High-quality contacts create a gas-tight connection. This is the only way to ensure a permanently reliable connection. This electrical test therefore determines the voltage drop on a terminal block (two terminal points). Conclusions can therefore be made regarding the contact resistance and the contact quality.

The terminal blocks are wired with the rated cross section. For measuring purposes, a direct test current corresponding to 0.1 times the current carrying capacity of the rated cross section is applied to the terminal blocks. The voltage drop is picked off at a distance of ≤ 10 mm from the middle of the terminal point (see diagram).

At a room temperature of ~20°C, the voltage drop must not exceed 3.2 mV per terminal block before and after the test, nor must it exceed 1.5 times the value measured at the start of the test.

Terminal blocks from Phoenix Contact are up to 60% below the limit values required by standards.

Rated cross section [mm²]	Current carrying capacity [A]	Rated cross section AWG	Current carrying capacity [A]
0.2	4	24	4
0.5	6	20	8
0.75	9	18	10
1	13.5	-	-
1.5	17.5	16	16
2.5	24	14	22
4	32	12	29
6	41	10	38
10	57	8	50
16	76	6	67
35	125	2	121
50	150	0	162
95	232	0000	217
150	309	00000	309
240	415	500 MCM	415

Temperature-rise test

IEC 60947-7-1/-2 / UL 1059 / IEC 61984

The rise in temperature of a terminal block must be kept to an absolute minimum. The contact resistance must therefore be as low as possible. This test is used to document the rise in temperature (at room temperature) that occurs during exposure to a test current.

IEC 60947-7-1/-2

Five terminal blocks are horizontally mounted on a rail and connected in series using 1 or 2 m conductor loops with the rated cross section. The terminal blocks and protective conductor terminal blocks (from a rated cross section of 10 mm²) in combination with or without an isolating support are exposed to a test current that is as high as the current carrying capacity of the rated cross section. A reduction of the test current (I_{TH}) is permitted for multi-level terminal blocks and test disconnect terminal blocks. The rise in temperature of the middle terminal block is documented (see figure: Voltage-drop test, page 621).

Furthermore, protective conductor terminal blocks (from a rated cross section of 10 mm²) are subjected to a temperature-rise test in combination with an electrically conductive support (not steel).

Assuming a room temperature of ~20°C, a maximum rise in temperature of 45 K is permitted in the terminal block. Additionally, a voltage-drop test must be performed on all five terminals prior to and following the temperature-rise test.

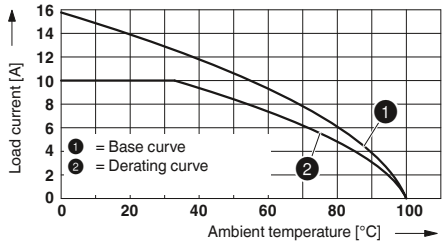
UL 1059

The process basically corresponds to the IEC test, only the conductor lengths differ. Three terminal blocks are horizontally mounted adjacent to one another. The measurement is taken at an ambient temperature of 25°C, whereby a maximum rise in temperature of 30 K (measured as close as possible to the terminal point) is permitted. Due to the high-quality contact materials used in terminal blocks from Phoenix Contact, all connection technologies offer lower temperature-rise values than required by the specified standards.

IEC 61984

The contacts of the connectors with various numbers of positions (e.g. 5-, 10-, and 15-pos.) are connected with 0.5 m or 1 m long conductor loops of the maximum permitted connection cross section in accordance with IEC 60512-5-1. After applying the test current in accordance with the derating curve (base curve) and taking the ambient temperature, reaching the temperature balance, and subsequent one-hour current load into consideration, the temperature rise on the contacts may not exceed the upper limiting temperature.

Base and derating curve, test setup, ambient temperature



To determine the current carrying capacity of plug-in terminal blocks, arrangements with a variety of positions are selected, which are electrically connected in series using conductors with the same cross section. For practical determination of the derating curves, the current carrying capacity of the plug-in terminal blocks is determined in accordance with DIN EN 61984 and DIN EN 60512-5-1. Here, after applying various currents (e.g., 10 A, 17.5 A, 24 A, and 32 A) and setting the temperature balance, the maximum temperature increase that occurs on the test objects is measured.

When the upper limiting temperature of the insulation material and of the contact system – here, always assumed to be 100°C – is taken into account, these values yield a derating curve dependent on the ambient temperature: the "base curve".

An adjusted capacity curve – the "derating curve" – is generated in accordance with DIN EN 60512-5-2. In accordance with this standard, the permissible load current is 0.8 times the respective base current. The derating factor "...takes into account manufacturing tolerances in the connector contact system, as well as uncertainties in the temperature measurement and the measuring arrangement". For the majority of items in this catalog, derating curves are provided for 2, 5, 10, and 15-pos. arrangements.

SCCR – Short-circuit current rating

SCCR – Short-circuit current rating

As of April 2006, the NEC (National Electrical Code) requires the short-circuit current rating of industrial controllers to be specified. These SCCR values (short-circuit current rating) can be calculated with the help of UL 508A. In the USA, the calculation must be summarized on the rating plate of all industrial switchgear, for all main circuits as well as for the feed-in of the control voltage supply. Standard values for non-specified components are listed in UL 508A – Table SB 4.1. A value of 10 kA is assumed for terminal blocks. Phoenix Contact produces a wide range of products with considerably higher SCCR values than this. The terminal blocks in the CLIPLINE complete system are all documented as having SCCR values of 100 kA.

The SCCR values for terminal blocks from Phoenix Contact are listed in detail in UL file number E60425. The UL file is stored in and can be retrieved from the UL database via the following link:

http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.html

Current carrying capacity

The standard IEC 60947-7-1 / EN 60947-7-1 / DIN VDE 0611-1 specifies the test currents for the individual conductor cross sections listed in the adjacent table. The corresponding currents are listed with the connection data for the individual terminal blocks. The type testing of terminal blocks is based on this data.

The current carrying capacity of connectors in accordance with DIN EN 61984 is dependent on the number of positions and is to be found in the product-specific documentation.

Test currents in accordance with IEC 60947-7-1/EN 60947-7-1, Table 5

Rated cross section	[mm²]	0.2	0.5	0.75	1.0	1.5	2.5	4	6	10	16
Test current	[A]	4	6	9	13.5	17.5	24	32	41	57	76

Rated cross section	[mm²]	25	35	50	70	95	120	150	185	240	300
Test current	[A]	101	125	150	192	232	269	309	353	415	520

Short-time withstand current

IEC 60947-7-1/-2

Terminal blocks must, in practice, also be capable of resisting short-circuit currents until the relevant safety equipment cuts off the current without sustaining any damage. This can take up to several tenths of a second.

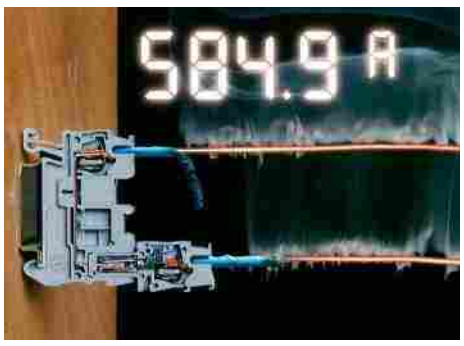
For testing purposes, a terminal block is mounted on the support and wired to a conductor with the rated cross section.

Protective conductor terminal blocks are subjected in three stages of one second each to a current density of 120 A/mm² of the rated cross section.

The requirements are met if, after the test, the individual parts are undamaged and their further use is guaranteed.

Before and after the test, the terminal block must pass the voltage drop test. The voltage drop before and after the test must not exceed 3.2 mV per terminal block nor must it exceed 1.5 times the value measured before the test.

In the case of a 240 mm² high-current terminal block from Phoenix Contact, a test current of 28,800 A is passed through the terminal block for one second without loss of quality.



Maximum contact reliability, even under extreme overload. A plug-in spring-cage terminal block is shown here.

Technical notes – fuse terminal blocks

The standard DIN EN 60947-7-3 for fuse terminal blocks does not just contain the requirements for terminal blocks for mounting on DIN rails, it also takes the specifications for cartridge fuse-links in accordance with IEC 60127-1 and IEC 60127-2 into consideration. A link between the two standards is established by adding (adapting) the basic specifications for cartridge fuse-links (rated current, rated voltage, maximum voltage drop, and maximum power dissipation of cartridge fuse-links with the dimensions 5 x 20 mm or 6.3 x 32 mm with their various tripping characteristics) to the requirements of IEC 60947-7-1 for terminal blocks. With this, it is possible to assess the quality of the "fuse terminal block" products.

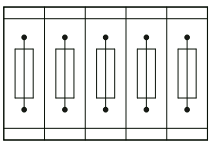
An important fact when using such cartridge fuse-links for fuse terminal blocks is that fuses heat up under rated load far less than during overload. The rated load is determined from the rated current and the maximum voltage drop. In the event of overload, however, a considerably higher power loss results at the same maximum power dissipation in accordance with IEC 60127-2.

In industrial applications, individual fuse terminal blocks are used in an arrangement with terminal blocks, or many of these alone form an arrangement. This means that the same current and fuse-link leads to different heat dissipation values. Furthermore, it should be taken into consideration that regardless of the general overall fusing (for overload and short-circuit protection), some fuse terminal blocks are used exclusively as short-circuit protection in accordance with IEC 60364-4-43, for example in control circuits where overloads do not occur (e.g. coils in safety control circuits, LED displays and similar devices).

Consequently, four different application quadrants exist, which are listed in the table.

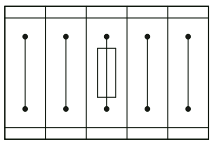
(Reference: Low-Voltage Switchgear Part 7-3 Auxiliary Equipment - Safety Requirements for Fuse Terminal Blocks (IEC 60947-7-3: 2009); German version EN 60947-7-3: 2009 translated to English)

Fuse terminal blocks in compound arrangement



Block consisting of five fuse terminal blocks

Separate arrangement with fuse terminal block



Block consisting of one fuse terminal block and four feed-through terminal blocks

Attention:
The cartridge fuse holders should be selected in accordance with the maximum power dissipation (self-heating) of the cartridge fuse-links. The thermal conditions in closed fuse holders should be checked in accordance with the application and installation.

Higher ambient temperatures are an additional strain on fuse-links. Take into account the corresponding shift in the rated current in this kind of application.

Max. power dissipation at 23°C in accordance with DIN EN 60947-7-3: 2009-4

When selecting cartridge fuse-links, please ensure that the maximum power dissipation specified below is not exceeded. Details can be obtained from the fuse manufacturers.

5 x 20 mm cartridge fuse-links in accordance with DIN EN 60947-7-3:2009-4
Technical data on the power dissipation of further fuse terminal block types can be found at phoenixcontact.net/products
[1]) The rated operating voltage is determined by the selected cartridge fuse-link.

Terminal block or connector	U [1])	Overload protection		Short-circuit protection only		$I_{max.}$
	[V]	Individual	Combination	Individual	Combination	[A]
P-FU 5X20-5	400	1.6 W	1.6 W	4.0 W	2.5 W	6.3
P-FU 5X20	400	1.6 W	1.6 W	4.0 W	2.5 W	6.3
PT 4-HESI (5X20)	400	1.6 W	1.6 W	4.0 W	2.5 W	6.3
PT 4-PE/L-HESI	500	1.6 W	1.6 W	4.0 W	2.5 W	6.3
PTTB 4-HESI	500	1.6 W	1.6 W	4.0 W	2.5 W	6.3
PT 6-DREHSI (5X20)	1000	4.0 W	2.5 W	2.0 W	1.3 W	10
UT 4-HESI (5X20)	500	1.6 W	1.6 W	4.0 W	2.5 W	10
ST 4-HESI (5X20)	500	1.6 W	1.6 W	4.0 W	2.5 W	6.3
ZFK 6-DREHSI (5X20)	800	4.0 W	2.5 W	4.0 W	4.0 W	6.3
QTC 2,5-HESI (5X20)	500	1.6 W	1.6 W	4.0 W	2.5 W	6.3
UK 10-DREHSI	800	4.0 W	2.5 W	4.0 W	4.0 W	10
USIG with ST-SI	500	2.5 W	2.5 W	4.0 W	4.0 W	6.3
UK-SI	400	1.6 W	1.6 W	4.0 W	2.5 W	6.3
UK 5-HESI	800	2.5 W	2.5 W	4.0 W	2.5 W	6.3
UKK 5-HESI (5X20)	400	2.5 W	1.6 W	4.0 W	2.5 W	6.3
UK 4-TG with ST-SI-UK 4	250	1.6 W	1.6 W	4.0 W	1.6 W	6.3

6.3 x 32 mm cartridge fuse-links in accordance with DIN EN 60947-7-3:2009-4
Technical data on the power dissipation of further fuse terminal block types can be found at phoenixcontact.net/products

P-FU 6,3X32	630	2.5 W	2.5 W	4.0 W	2.5 W	10
PT 6-HESI (6,3X32)	630	2.5 W	2.5 W	4.0 W	2.5 W	10
UT 6-HESI (6,3X32)	630	2.5 W	2.5 W	4.0 W	2.5 W	10
ST 4-HESI (6,3X32)	500	2.5 W	2.5 W	4.0 W	2.5 W	10
ZFK 6-DREHSI (6,3X32)	500	2.5 W	2.5 W	4.0 W	2.5 W	10
UK 10-DREHSI	400	2.5 W	2.5 W	4.0 W	2.5 W	10
USIG with ST1-SI	500	2.5 W	2.5 W	4.0 W	2.5 W	10
UK 6,3-HESI	500	2.5 W	1.6 W	4.0 W	2.5 W	10
UKK 5-HESI (6,3X32)	400	2.5 W	1.6 W	4.0 W	2.5 W	10

Aging test

IEC 60947-7-1/-2

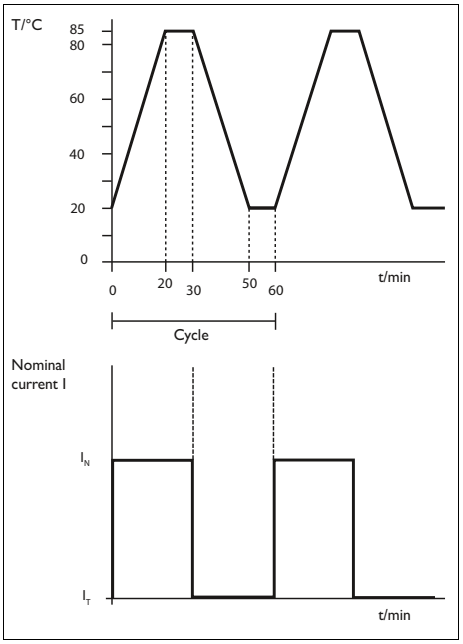
From the point of view of long lifecycles of the terminal blocks, the aging behavior also plays an important role.

In this test, the contact quality is verified by means of simulated aging.

To simulate several years of use, five terminal blocks are mounted horizontally on a rail and connected in series using conductors with the rated cross section. The voltage drop is measured at each terminal block. These terminal blocks are connected by conductors with a minimum length of 300 mm. The minimum temperature in the climate cabinet is set to 20°C and the maximum temperature to 75°C. During the heating phase and the 10-minute pause phase with maximum temperature, the rated current flows. As a result, the maximum permissible operating temperature of the test object (120°C maximum) is reached. This is followed by the cooling phase. The voltage drop is always measured after 24 cycles in the cooled down state (approximately 20°C). The test consists of a total of 192 cycles.

The voltage drop must not exceed 3.2 mV initially. During or after testing, it must not exceed 4.8 mV or 1.5 times the value measured after the 24th cycle.

Terminal blocks from Phoenix Contact are designed for extreme durability even under difficult temperature conditions. Plastic as well as metal parts provide sufficient safety reserves.



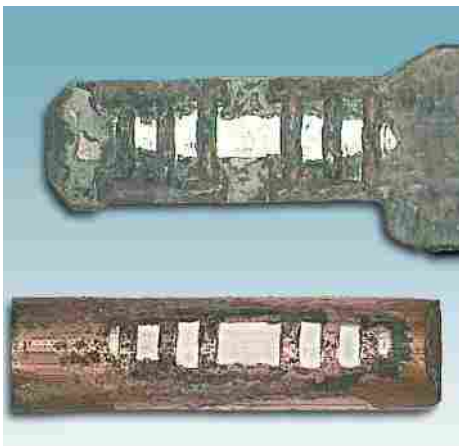
Current and temperature in relation to time

Corrosion test

DIN 50018

The pivotal role of the metal parts of electrical connections becomes particularly apparent in aggressive environments. Corrosion-free contact areas are a prerequisite for low-resistance and therefore high-performance connections. This test method describes a corrosion test in condensation climates with an atmosphere that contains sulfur dioxide. Acidic compounds < Ph 7 form during the test and attack the metal surfaces. Two liters of distilled water and one liter of SO_2 gas are introduced into the test chamber. At a test temperature of 40°C, sulfurous acid forms during the test.

After eight hours of testing, the test objects dry for 16 hours in the ventilated test chamber. At the end of the test, the test objects are visually inspected and the contact resistance is measured in order to show the influence of this corrosion test on the contact point in more detail. Phoenix Contact terminal blocks create high-quality gas-tight connections. Even aggressive media cannot impact the connection.



Environmental testing methods

IEC 60068-2-42/43

The mechanical and electrical service life of terminal blocks is directly dependent on the metal parts and insulation materials used. To evaluate the climatic effects on electrical connections, terminal blocks are subjected to various environmental simulation tests. The conductor contact points, the knife disconnect points, and the test contacts are included in these tests. The contact resistance values, the secure fit of the conductor, and the visual assessment of the contact points after each test serve as evaluation criteria.

– 10-day storage in aggressive SO_2 industrial atmospheres at 25°C and 75% humidity
– 4-day storage in aggressive H_2S atmospheres at 25°C and 75% humidity.

After the test has been completed, the contact resistance must not exceed 1.5 times the initial value. The function of the terminal block must be ensured without any limitation. The high standard of quality of Phoenix Contact terminal blocks is achieved by using corrosion-resistant, high-grade copper alloys.

Salt spray

IEC 60068-2-11

Particularly in shipbuilding, technical components have to function continuously in corrosive atmospheres. The salt content of the air combined with the increased humidity places high demands on the metal parts used. The impact of the climate at sea can be simulated on the basis of the above standard.

The resistance of the materials is tested with salt spray in corrosive atmospheres. The test objects are placed in the test chamber and subjected to a fine spray of 5% sodium chloride solution (NaCl; pH value 6.5 - 7.2) at a temperature of 35°C for a period of 96 hours.

At the end of the test, the test objects are visually inspected and an electrical test is performed to show the influence of this corrosion test on the contact point in more detail.

All Phoenix Contact terminal blocks, whatever their connection technology, create gas-tight connections. This means that the contact point is protected against corrosion even under extreme climatic conditions.

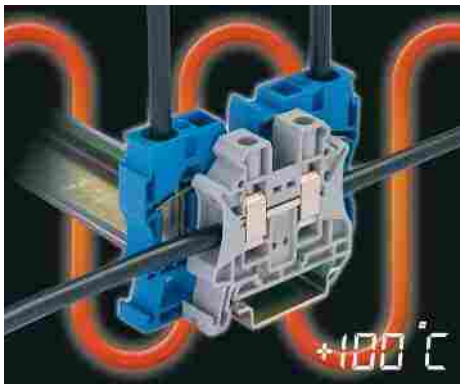
Temperature shock test

DIN EN 60352 T4

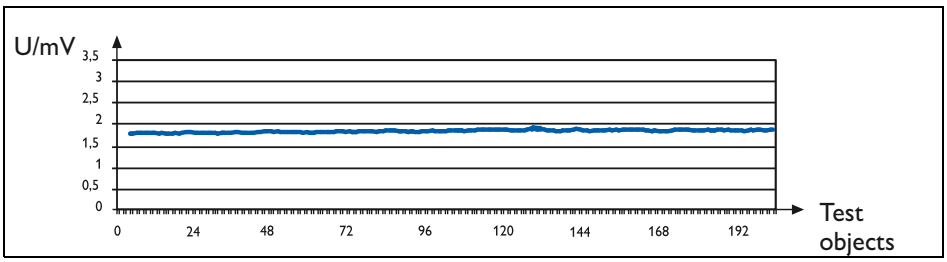
As mentioned earlier, rapid changes in temperature frequently occur near process-related sources of heat and cold in process engineering. This test verifies that the contact quality of the terminal points remains consistently high even in the case of rapid changes in temperature.

For testing purposes, five terminal blocks are mounted on the support and wired to a conductor with the rated cross section. The structure is subjected to rapid temperature changes using a two-chamber method. The temperatures lie close to the upper and lower limiting temperatures of the terminal block. This is generally a temperature range of -60°C to +100°C. The dwell time in each climatic chamber is 45 minutes, whereby the change takes place within a few seconds. This change is performed for 100 cycles.

The requirements are met if, after the test, the individual parts are undamaged and their further use is guaranteed.



After the terminal block has cooled down to room temperature, it must undergo a voltage-drop test. Phoenix Contact terminal blocks exhibit consistently good temperature behavior thanks to high-quality materials.



Voltage-drop test on more than 200 test objects after the test

Vibration test

DIN EN 61373 – broadband noise (degree of severity in accordance with DIN EN 50155)

In transportation technology, terminal blocks are exposed to constant vibrations and shocks. These vibrations occur particularly in the vicinity of engines, rotating drives, and axes.

For a practical simulation of the vibration stress, the test objects are subjected to broadband noise-induced vibrations. This means that realistic accelerations are generated at the terminal block and the connected conductor.

During the category 1 B test, the objects are exposed to a frequency range of 5 Hz to 150 Hz. The r.m.s. value of the acceleration is up to 5.72 m/s². The test objects are tested on each of the three axes (x, y, z) for 5 hours.

In addition to the vibrations, the electrical contact is monitored during the test to make it more difficult.

No damage may occur to the terminal blocks that would impair their further use. In addition, no contact interruptions >1 µs are permitted during the test.

All Phoenix Contact terminal blocks, whatever their connection technology, meet this high vibration requirement.

Shock testing

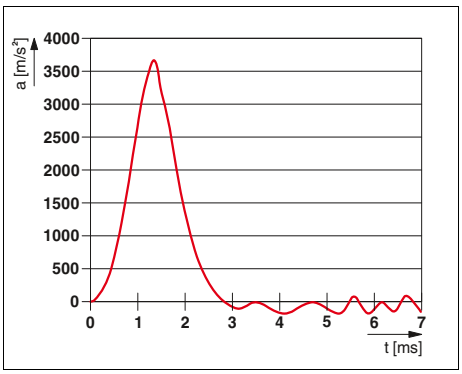
IEC 60068-2-27

This test is performed to test and document the resistance of a terminal connection to irregular shocks with varying energy content. Degrees of severity from DIN EN 50155 and DIN EN 61373 (European standard for railway applications) are used to simulate the load in rail transport.

Acceleration and duration are specified in order to define the shock. IEC 60068-2-27 prescribes three positive and negative shocks on each of the three spatial axes (X, Y, Z). The simulated accelerations reach 50 m/s² with a shock duration of 30 ms.

No damage may occur at the terminal connection that would impair further use. The contact behavior on the test objects is monitored during the test. When the railway standard is applied, no contact interruptions of >1 µs are permitted.

Phoenix Contact terminal blocks achieve this shock resistance and are suitable for applications with the most extreme vibrations.



Shock diagram with 3 ms/350 g

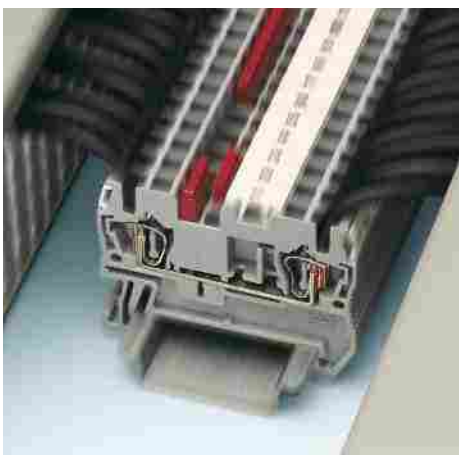
Vibration test

IEC 60068-2-6

This test demonstrates the vibration resistance of a terminal connection subjected to permanent vibrations. Harmonic, sinusoidal vibrations are applied to the test object to simulate rotating, pulsating or oscillating forces. The test is performed on each of the three spatial axes (X, Y, Z). The test is performed over a frequency range of 5 Hz to 150 Hz. This equates to a speed of one octave per minute. The r.m.s. value of the acceleration is up to 40 m/s². The test objects are tested on each of the three axes (x, y, z) for 2 hours.

No damage may occur to the terminal blocks that would impair their further use. In addition, no contact interruptions of >1 µs are permitted during the test. The contact resistance is measured before and after the test.

All connection technologies meet the requirements of the standard with no interruption of the electrical contact. They are therefore particularly suitable for challenging applications in which the reliable function of the terminal connection must be ensured, even when subjected to vibrations.



Quality characteristics of insulation materials

Thermoplastics

The majority of our insulating housing is made from thermoplastic materials. Roughly speaking, these can be divided into amorphous and semi-crystalline substances. Thermoplastics are processed using the efficient and environmentally-friendly injection molding process. They have good recycling and re-use properties. Electrical and electronic modules, devices, and systems are highly demanding in terms of mechanical, thermal, and electrical characteristics. A variety of differently modified materials fulfil these requirements. Thermoplastics are halogen-free. This means that combustion does not cause fumes that can lead to corrosive condensation alone or in conjunction with humidity. It also contains no silicone compounds, formaldehyde, PCB or PCT.

Behavior of plastics under the influence of temperature (operating temperatures)

Plastics undergo a process referred to as thermal aging when they are subjected to heat over long periods. This process causes changes in the mechanical and electrical properties of the material. External influences, e.g., radiation, additional mechanical, chemical or electrical stresses, amplify this effect. Special tests on samples yield characteristic data which provides a good means of drawing comparisons between different plastics. However, applying these characteristics to an evaluation of molded plastic parts is only possible to a limited extent, and only gives the designer a rough guide when it comes to selecting a plastic material. IEC 60947-7-1/ EN 60947-7-1 states an approved temperature increase for terminal blocks of 45 K at nominal load. Terminal blocks from Phoenix Contact meet this requirement.

Inflammability characteristics of plastics (UL 94)

The inflammability tests for plastics are defined by the Underwriters Laboratories (USA) in regulation UL 94. This regulation applies to all areas of application, particularly in electrical engineering. A horizontal or vertical test is carried out at the test laboratory to determine the inflammability of the plastic material with a naked flame. In order of increasing flame-retardant behavior, the evaluation classes are HB, V1, V2, V0. The test results are listed in what are referred to as "Yellow Cards". The results appear annually in the **Recognized Component Directory.**

Thermoplastics: non-reinforced polyamide, PA

We use the modern, semi-crystalline insulation material, polyamide, which is now an essential component in electrical engineering and electronics. Polyamide has led this field for a long time. It is authorized for use by the relevant approval authorities such as the CSA, KEMA, PTB, SEV, UL, VDE, etc.

Polyamide has excellent electrical, mechanical, and chemical properties, even at high operating temperatures. Brief peak temperatures of up to approximately 200°C are permitted as a result of heat aging stabilization. Depending on the type (PA 4.6, 6.6, 6.10, etc.), its melting point is in the region of 215°C to 295°C.

Polyamide absorbs an average of 2.8% of moisture from its surroundings. This is not the embedded water of crystallization, however, but rather chemically bound H_2O groups in the molecular structure. This makes the plastic flexible and resistant to breakage, even at temperatures as low as -40°C. PA has a flammability rating of V2 to V0 in accordance with UL 94.

Thermoplastics: fiber-reinforced polyamide, PA-F

Fiber-reinforced polyamide is characterized by strong rigidity and hardness. Operating temperatures are even higher than those of non-reinforced materials. This means that fiber-reinforced polyamides are also suitable for use in applications such as surge protection.

Reinforced polyamide absorbs less moisture than the non-reinforced material. Otherwise, the properties are largely the same. In accordance with UL 94, fiber-reinforced polyamide has a flammability rating of HB to V0, although V0 materials are usually only available in black.

Thermoplastics: ABS

We use the thermoplastic molding compound ABS for products which need good impact and notched impact properties plus high mechanical stability and rigidity. These products are resistant to stress cracking and chemicals due to their special surface quality and hardness.

Their characteristic thermal properties provide good dimensional stability at both low and high temperatures. Products made of ABS can be coated with metallic surfaces, e.g., nickel.

We use molding compounds with a flammability rating of HB to V0 in accordance with UL 94.

Thermoplastics: polyvinyl chloride, PVC

PVC is resistant to salt solutions, diluted and concentrated lyes, and to most diluted and concentrated acids except for fuming sulfuric acid and concentrated nitric acid.

PVC is flame-retardant even without fire protection equipment (B1 in accordance with DIN 4102 to UL 94 V0).

Properties	Unit/ level	Polyamide PA	Polyamide PA	Polyamide PA-GF	Polyamide PA-GF	Polycarbonate PC-GF
Continuous temperature, DIN IEC 60216	[°C]	130	125	120	120	130
Minimum temperature for use (without mechanical load)	[°C]	-60	-60	-60	-60	-60
Electric strength, IEC 60243-1/DIN VDE 0303-21	[kV/cm]	600	600	330	400	300
Resistance to creepage, IEC 60112/DIN VDE 0303-1	CTI...	600	600	550	475	175
Tropical and termite resistance		Good	Good	Good	Good	Good
Specific contact resistance IEC 60093 / VDE 0303-30; IEC 60167 / VDE 0303-31	[cm]	10^{12}	10^{12}	10^{12}	10^{12}	10^{14}
Surface resistance IEC 60093/VDE 0303-30; IEC 60167/VDE 0303-31	[W]	10^{10}	10^{10}	10^{12}	10^{12}	10^{14}
Flammability rating UL 94		V0	V2	V0	HB	V0

Insulation material properties

IEC 60210-1 / UL 746 B

In the following tests, an increased load on the terminal block is simulated over a longer period of time. The behavior of plastics at constantly higher temperatures is described with respect to their tensile strength and insulation properties. IEC 60216 and UL 746 B specify a temperature index that allows conclusions to be drawn regarding the service life of plastics under thermal loads. Characteristic values are specified for both properties:
– Mechanically as a TI value in accordance with IEC 60216
– Electrically as an RTI value in accordance with UL 746 B

IEC 60216 – TI value

The tensile strength is measured over 5,000 hours and the result is extrapolated to 20,000 hours. After 20,000 hours, the temperature at which the tensile strength has decreased by half is recorded.

UL 746 B – RTI value

The RTI value indicates the highest operating temperature before a disruptive discharge occurs under certain test conditions. The polyamides used by Phoenix Contact are classified as follows:

	UL 94 V2	UL 94 V0
TI	105°C	125°C
RTI	125°C	130°C

Ceramic terminal blocks, for example, are available for use at higher temperatures.

Surface inflammability

ASTM E 162

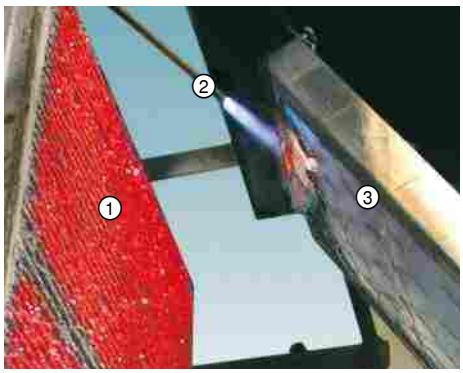
The spread of a fire under the influence of heat is tested and evaluated in the above standard.

To evaluate the surface inflammability of plastics, a "flame spread index" is devised in accordance with ASTM E 162 to provide information on flame propagation under given test conditions.

For this purpose, a sample (152 x 457 x maximum 25.4 mm) is irradiated with a heat source (815°C) at an angle of 30° and ignited with a naked flame at the top end. During the 15 minute duration of the test, the time in which the flame front reaches two measuring points that are 76 mm apart is determined. The product of this flame propagation time and a calculated heat development factor yields the "flame spread index".

In the American railroad sector, the maximum limit value is 35. The drip behavior of the plastic is also observed and evaluated during the test.

Terminal blocks from Phoenix Contact achieve a flame spread index of 5 and produce non-burning droplets. The terminal blocks therefore lie well below the approved maximum values of the Federal Railroad Administration (FRA) of the US Department of Transportation.



① Radiant heater
② Flame
③ Plastic sample

Smoke gas development

ASTM E 662

The standard ASTM E 662 specifies a procedure for evaluating the specific optical density of the smoke (smoke opacity) during an open fire or a smoldering fire. For this purpose, the percentage of light transmitted in relation to the burning chamber volume is observed. Testing is carried out on a sample (76 x 76 x maximum 25 mm) in a smoke density chamber defined by the NBS (National Bureau of Standards) (see figure). The test object is irradiated with a heat of 2.5 W/cm². The following processes are then simulated for 20 minutes:

1. Burning with a naked flame
2. Smoldering fire, avoidance of a naked flame

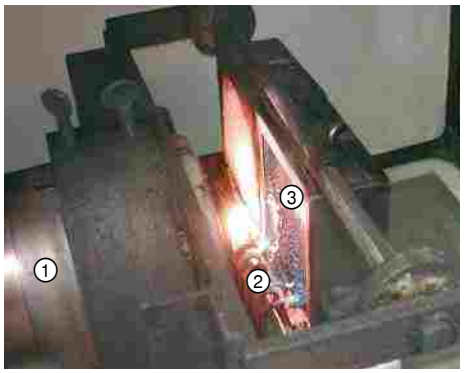
There are special limit values for the optical smoke density of both processes that are recorded after 1.5 and 4 minutes.

a. Specific optical smoke density (Ds1.5) – limit value 100

b. Specific optical smoke density (Ds4) – limit value 200

c. Maximum smoke density (Dm) during the 20 minutes

The polyamides used for Phoenix Contact terminal blocks meet all the requirements of the Federal Railroad Administration (FRA) of the US Department of Transportation in accordance with ASTM E 662.

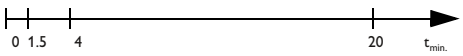


① Radiant heater
② Flame
③ Plastic sample

Smoke gas toxicity

SMP 800-C

SMP 800-C describes the maximum permissible values of poisonous smoke gases when a plastic is burned. In comparison with BSS 7239 (Boeing standard), this standard specifies more precise measuring methods for the qualitative and quantitative determination of toxic smoke gases that result when a test object is completely burned. The smoke gases of these measurements are taken from the NBS test chamber of the ASTM E 662 test. The same time scheme as in ASTM E 662 is valid here.



Data is recorded over 20 minutes.

SMP 800-C limit values of toxic smoke gases in [ppm]:

Carbon monoxide (CO)	3500
Carbon dioxide (CO_2)	90.000
Nitrogen oxides (NO_X)	100
Sulfur dioxide (SO_2)	100
Hydrochloric acid (HCl)	500
Hydrobromic acid (HBr)	100
Hydrofluoric acid (HF)	100
Hydrocyanic acid (HCN)	100

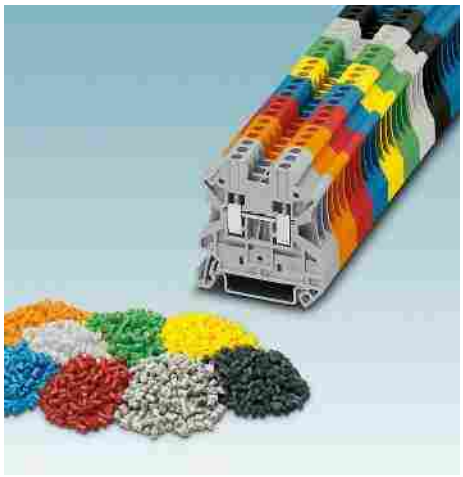
The polyamides used by Phoenix Contact are many times below the critical concentrations.

Halogen-free flame protection

DIN EN ISO 1043-4

Halogens are the chemical elements fluorine, chlorine, bromine, and iodine. One property of halogen compounds is the reduction in the degree of inflammability when used in plastics. The relationship between released toxic gases and halogens has been defined in fire safety investigations.

Terminal blocks from the CLIPLINE complete system are made of polyamide 6.6 (PA 6.6) with fire protection classification UL 94 V0. Melamine cyanurates are used instead of flame protection agents that contain halogen. Phoenix Contact terminal blocks are therefore, without exception, entirely free of halogens.

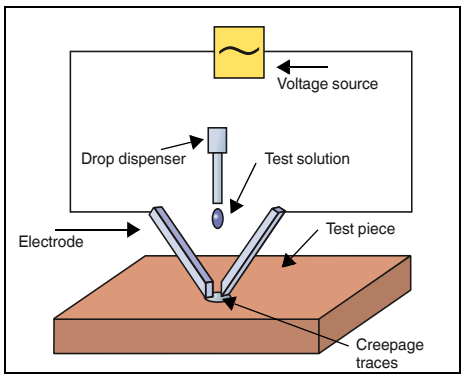


Comparative tracking index (CTI)

DIN EN 60112

Humidity and contamination facilitate the formation of creepage distances on the plastic surface. The formation of creepage distances refers to the occurrence of conductive connections between neighboring potentials. Consideration is given to the dependence of the potentials on their voltage differences under electrolytic influences. The CTI value of a plastic indicates the extent to which this creepage distance formation is prevented. Two platinum electrodes are placed 4 mm apart on a test piece measuring 20 mm x 20 mm x 3 mm. A test voltage in accordance with standard specifications is applied to both electrodes. A test solution is then dripped onto the electrodes by a test apparatus at a rate of one drop every 30 seconds.

The test evaluates the maximum voltage value at which 50 drops are applied without a short-circuit current > 0.5 A. The plastics used by Phoenix Contact are classified in the highest test voltage category with a CTI value of 600.



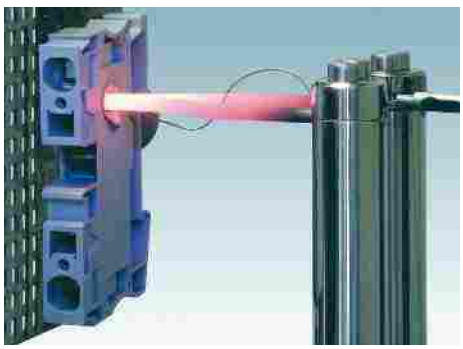
Glow-wire test

IEC 60695-2-11

In the event of overload, conductive metal parts of the terminal block or connected conductors can heat up considerably. This additional heat affects the plastic housing. The glow-wire test simulates this source of danger for electrical components. A glow wire is heated to a specific temperature of 550°C, 650°C, 750°C, 850°C or 960°C. As shown in the figure, the glow wire is then pressed onto the thinnest point of the test object housing at a right angle. The force is 1 N. The test is deemed to be passed:

– When no flame or glowing process occurs during the test
– When the flames or glowing processes are extinguished within 30 seconds of the glow wire being removed
– When the tracing paper beneath the glow wire does not ignite due to drops of burning substances falling down

The polyamides used by Phoenix Contact as housing materials all meet the requirements of the glow-wire test at 960°C (highest level).



Needle flame test

IEC 60947-7-1/-2

As far as the use of terminal blocks is concerned, fire behavior when in direct contact with a source of ignition is a major criterion. Such sources of ignition could be electric arcs, e.g., across a creepage distance. Terminal blocks must not aid or accelerate fires and the plastics must have self-extinguishing properties.

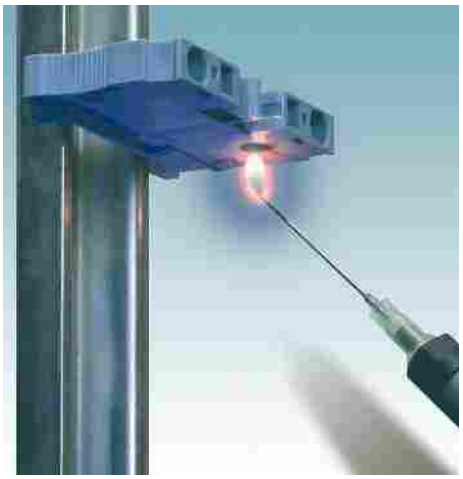
This fire test simulates the behavior of the components when directly subjected to an external source of ignition.

In the test, a naked flame fed with butane gas is held to an edge or surface of the test object at an angle of 45° for 10 seconds (see figure). The behavior of the test object without a source of ignition is then observed.

The test is deemed to be passed:

– When the flames or glowing processes are extinguished within 30 seconds of the flame being removed.
– When the tracing paper beneath the test object is not ignited by falling drops of burning substances.

All Phoenix Contact terminal blocks pass the needle flame test thanks to the high-grade plastics used and their structural design.



Calorific value of plastic

DIN 51900-2/ASTM E 1354

Due to experience with catastrophic fires, technical systems are increasingly also classified according to the amount of heat dissipation in the case of fire. The reason for this is to limit heat generation in relation to the area.

Fire load

The fire load is defined as the amount of energy released over a particular area during burning. The fire load value is usually expressed in MJ/m². The higher the calorific value and the presence of a substance, the greater the amount of energy released during burning. The calorific values of polyamides are relatively high. For this reason, the calorific values of terminal blocks are also increasingly included in the fire load determination. Calorific values of the plastics used by Phoenix Contact in accordance with:

DIN 51900-2:

Polyamide 66 V2	Approx. 30 MJ/kg
Polyamide 66 V0	Approx. 32 MJ/kg

ASTM E 1354:

Polyamide 66 V2	Approx. 22 MJ/kg
Polyamide 66 V0	Approx. 24 MJ/kg
For comparison:	
Heating oil	Approx. 44 MJ/kg

To calculate the fire load of individual components, the calorific value of each polyamide must be multiplied by the weight of the part.

Inflammability classification

UL 94

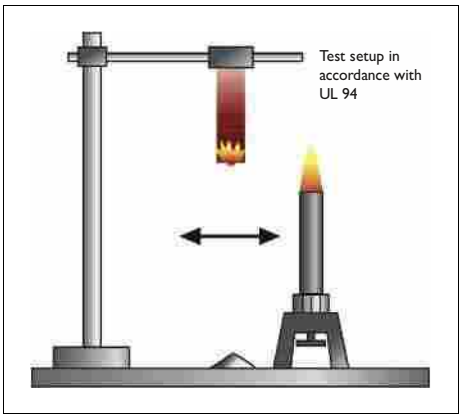
UL 94 describes inflammability tests that have gained particular importance in the field of electrical engineering. Fire behavior is the main focus. Items are classified in accordance with either UL 94 HB (Horizontal Burn) or UL 94 V (Vertical Burn). The test setup is such that the 94 V0/1/2 classifications are stricter than the 94 HB classification.

UL 94 V0/1/2

After conditioning, the test bar is vertically clamped and flame-treated several times for 10 seconds at a time. In between the flame treatments, the time until the test bar is extinguished is measured.

Afterwards, the afterburning times and the drip behavior are evaluated.

The plastic used for Phoenix Contact terminal blocks satisfies the higher-grade criteria for classification as a V0 material.



Classification	UL 94 V0	UL 94 V1	UL 94 V2
Burning time after each flame treatment	≤10 s	≤30 s	≤30 s
Total burning time after 10 flame treatments	≤50 s	≤250 s	≤250 s
Glowing time after the 2nd flame treatment	≤30 s	≤60 s	≤60 s
Complete burn-off	No	No	No
Ignition of the absorbent cotton under the sample	No	No	No

Touch protection

IEC 60529 / DIN EN 50274

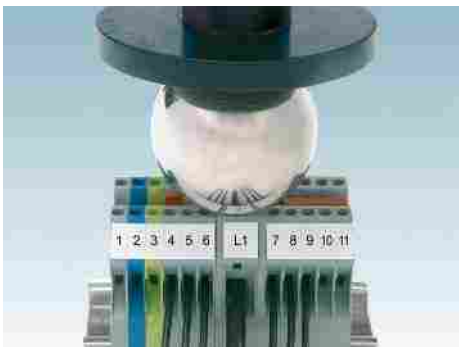
Electrical installations and systems must also afford service technicians a high level of safety. This applies for all measurements and testing as well as for servicing.

BGV A3 prescribes the voltage-free state of the affected low-voltage system or system parts up to 1000 V AC and 1500 V DC when working in the vicinity of live parts. To prevent electric shock, live parts must be secured against direct contact through the use of covers or barriers.

In electrical systems that are only accessible to electrically skilled persons or electrically instructed persons, terminal blocks from Phoenix Contact provide touch protection based on EN 50274. During testing based on EN 50274, the test probes are led from the operating direction to the test object. Electrical contact between the test probes and live parts is not permitted with a test force of 10 N for proof of touch-proof safety and 50 N for back of hand safety.

Phoenix Contact terminal blocks are designed primarily in accordance with DIN EN 50274. More detailed information is provided in the product documentation.

Touch-proof safety
Test finger with 12.5 mm diameter



Back of hand safety
Test ball with 50 mm diameter

Color designations

Color	Code
White	WH
Red	RD
Blue	BU
Green	GN
Yellow	YE
Gray	GY
Brown	BN
Orange	OG
Black	BK
Turquoise	TQ
Ivory	IV
Beige	BE
Olive	OL
Rose	RS
Pink	PK

Type	Order No.	Page
A		
AB-PTI	3214006	90
AB-PTI 16-NLS	1030137	127
AB-PTI 16-NLS BU	1030138	127
AB-PTI 16-NLS RD	1030140	127
AB-PTI 16-NLS-FE	1030141	127
AB-PTI 16/S	3214022	126
AB-PTI 4/3	3214053	109
AB-PTI 6	3214008	118
AB-PTI/3	3213974	91
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AB-SK 65-D	3026900	601
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AB-SK TOP INSULATED	3062074	598
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AB-SKS 60	3240223	599
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AB-UTN 2,5/10	3245082	170
AB/SKS	3240224	602
AB/SS	0404428	602
AB/SS-M	3025888	602
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AB3/SS	0800086	603
ABN 2/SS	0404460	603
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AGK 10-PTPOWER BK/YE	3260154	136
AGK 10-PTPOWER BU	3260148	136
AGK 10-PTPOWER GN/YE	3260151	136
AGK 10-UKH 150/240	3003554	196
AGK 10-UKH 50	3001763	188
AGK 10-UKH 95	3003541	194
AGK 4-UT 10	3047112	182
AGK 4-UT 16	3047125	184
AGK 4-UT 35	3047138	186
AGK PT 4X6/M10	1017448	119
AGK PT 4X6/M10 BU	1083237	119
AGK PT 4X6/M10 GNYE	1083238	119
AGK PT 4X6/M12	1017454	119
AGK PT 8X6/M10	1017450	119
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AP RSC	3058017	387
AP RSC-T	3059139	616
AP-CP-H METER	3012315	294
AP-FTP METER	3069899	629
AP-ME METER	3034361	629
APH-ME	3034374	629
APH-RSCWE 6-3 CARRIER	3069058	640
APH-UTWE 6	3069056	616
APH-UTWE 6-2	3069057	629
APT-ME	3034358	623
ASB 2-RTK/S	0311281	519
ATP-DIK 1,5	1413272	480
ATP-DIKD 1,5	1413285	481
ATP-MBK	1413227	558
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ATP-OTTA 6	0790475	564
ATP-OTTA 25	0790501	565
ATP-UK	3003224	458
ATP-UK 5-MTK	3004210	513
ATP-UKK 3/5	2778521	472
ATP-UKKB 3	2771065	472
ATP-URTK/SP	0311139	117
ATS-GSK	0304227	498
ATS-MTK	3101223	512
ATS-RTK	0310224	519
ATS-RTK-BEN	0308223	519
ATS-URTK/SS	0321226	517

Type	Order No.	Page
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BTFE 6-3/12 3U	1029249	650
BTFE 6-3/12 3U AUX	1029250	650
BTFE 6-3/14	1029252	650
BTFE 6-3/14 4U	1029251	650
BTFE 6-3/14 4U AUX	1029025	650
BTFE 6-3/14 AUX	1029253	650
BTFE 6-3/18 4U	1029255	650
BTFE 6-3/7 2U	1029245	650
BTFE 6-3/8	1029246	650
C		
C-FC 1,5/M3	3240137	615
C-FC 2,5/M3	3240142	615
C-FCI 1,5/M3	3240032	615
C-FCI 2,5/M3	3240037	615
C-ME 4/2	3035759	105
C-ME 4/3	3035760	105
C-ME 6/1	3034441	116
C-ME 6/2	3034442	116
C-ME 6/3	3034390	116
C-RCI 1,5/M3	3240016	624
C-RCI 2,5/M3	3240021	624
CARRIER 35-8	3034387	407
CARRIER-TM 300	0828282	418
CARRIER-TMD 300	0828693	418
CARRIER-TMH 300	0830670	418
CDC-PTRV	3270167	46
CEC 2,5	3062757	421
CEC PTPOWER 35/50	1056086	421
CEC PTPOWER 95/185	1056087	421
CEC UBAL 150	1086474	585
CEC UBAL 240	1090037	585
CEC UBAL 50	1086473	583
CGS 50	3071400	655
CGS-AH 50 SET	3071410	655
CGSA 50	3071401	655
CLIPFIX 35-5	3022276	395
CP 2,5/10	3061110	365
CP 2,5/2	3061102	365
CP 2,5/3	3061103	365
CP 2,5/4	3061104	365
CP 2,5/5	3061105	365
CP 2,5/6	3061106	365
CP 2,5/8	3061108	365
CP-H 2,5-4L	3012313	294
CP-H 2,5-4L-PE	3012323	294
CP-H 2,5-4L-Z	3012314	294
CP-H 2,5-4L-Z-PE	3012324	294
CPH 3-9	3212015	367
CPH 4-12	3212028	367
CPH 9-15	3000768	367
CPL	1069807	365
CPS	1069806	365
CPSL	1069808	365
CZ/2	3043831	362
D		
D-CP-H 2,5-4L	3012320	294
D-DTME 6	3034426	115
D-EB 18/22 A	3009320	500
D-HK 4	2002022	535

Type	Order No.	Page
D-MBK 5/E-T	1413706	506
D-MBK 6/E	1413049	558
D-MBKKB 2,5	1413052	560
D-MBKKB 2,5 BU	1413081	560
D-MPT 1,5/S	3248120	45
D-MPT 2,5	3248140	97
D-MSB 1,5-F	3024180	223
D-MSBV 2,5	3251018	225
D-MT 1,5	3100321	553
D-MT 1,5 BU	3025529	553
D-MT 1,5-QUATTRO	3002982	554
D-MT 1,5-QUATTRO BU	3025309	554
D-MT 1,5-TWIN	3002979	554
D-MTK	3101029	512
D-MTK BU	3101090	512
D-MTTB 1,5	3002665	555
D-MUT 2,5/4	3248033	157
D-MZB 1,5	3024177	222
D-OTTA 2,5	0790569	563
D-OTTA 6	0790417	564
D-OTTA 6-T	0790459	566
D-OTTA 25	0790514	565
D-OTTA/RBO-SB	3001355	567
D-PPC 1,5/S	3213690	282
D-PPC 2,5	3000671	295
D-PPC 6	3000703	350
D-PT 1,5/S	3208142	39
D-PT 1,5/S-0,8 OG	1029569	39
D-PT 1,5/S-3L	3113771	40
D-PT 1,5/S-3L-0,8 OG	1029590	40
D-PT 1,5/S-MT-0,8	3210303	42
D-PT 1,5/S-MT-0,8 OG	3210304	42
D-PT 1,5/S-QUATTRO	3208375	39
D-PT 1,5/S-QUATTRO-MT-0,8	3210333	43
D-PT 1,5/S-QUATTRO-MT-0,8 OG	3210334	43
D-PT 1,5/S-QUATTRO/2P	3212426	277
D-PT 1,5/S-TWIN	3208184	39
D-PT 1,5/S-TWIN-0,8 OG	1029571	39
D-PT 1,5/S-TWIN-MT-0,8	3210313	42
D-PT 1,5/S-TWIN-MT-0,8 OG	3210314	42
D-PT 10	3212057	121
D-PT 10-TWIN	3208748	121
D-PT 16 N	3212060	125
D-PT 16-TWIN N	3208799	125
D-PT 2,5-3L	3211647	73
D-PT 2,5-4L/1P	3012301	294
D-PT 2,5-4L/2P	3012311	294
D-PT 2,5-HEXA/3P	3040058	291
D-PT 2,5-MT	3211003	74
D-PT 2,5-MTB	3210196	74
D-PT 2,5-PE/3L	3210543	73
D-PT 2,5-QUATTRO-MTB	3210209	76
D-PT 2,5-TWIN-MT	3211317	75
D-PT 2,5-TWIN-MTB	3210202	75
D-PT 4-PE/3L	3210443	100
D-PT 4-PE/L/HESI	3002619	100
D-PT 4-QUATTRO	3208979	99
D-PT 4-QUATTRO/2P	3209277	325
D-PT 4-TWIN	3208977	99
D-PT 4-TWIN/1P	3212203	325
D-PT 4-WE	3044902	653
D-PT 6	3212044	111
D-PT 6-QUATTRO	3212963	111
D-PT 6-QUATTRO/2P	3061855	347
D-PT 6-TWIN	3211508	111
D-PTB 2,5-PE/L/L	3210553	96
D-PTB 2,5/3	3210552	95
D-PTC 2,5-MT	3270097	74
D-PTC 2,5-QUATTRO-MT	3270103	76
D-PTC 2,5-TWIN-MT	3270100	75
D-PTI 16/S	3214027	126
D-PTI 2,5	1016672	90
D-PTI 4	1016697	108
D-PTI 4/3	3214054	109
D-PTI 6	1016703	118
D-PTI/3	3213975	91
D-PTI/3B	3213976	77
D-PTIO 1,5/S/3	3244575	41
D-PTIO 1,5/S/4	3244588	41
D-PTIO 1,5/S/5	3244589	42

Type	Order No.	Page
D-PTME 4	3212167	105
D-PTME 6-CT/1P	3212303	348
D-PTME 6/1P	3212307	347
D-PTN 16/S	3214028	126
D-PTN 2,5	3213977	90
D-PTN 4	3213978	108
D-PTN 6	3213979	118
D-PTRV 4 WH	3270151	49
D-PTRV 4 WH 1-4	3270152	49
D-PTRV 4 WH 1-4 LGS	3270234	49
D-PTRV 4 WH 4-1	3270236	49
D-PTRV 4 WH 4-1 LGS	3270238	49
D-PTRV 4 WH A-D	3270153	49
D-PTRV 4 WH A-D LGS	3270235	49
D-PTRV 4 WH D-A	3270237	49
D-PTRV 4 WH D-A LGS	3270239	49
D-PTRV 8 WH	3270154	53
D-PTRV 8 WH 1-16	3270228	53
D-PTRV 8 WH 1-16 LGS	3270229	53
D-PTRV 8 WH 1-8	3270155	53
D-PTRV 8 WH 1-8 LGS	3270240	53
D-PTRV 8 WH 17-24	3270213	53
D-PTRV 8 WH 17-24 LGS	3270214	53
D-PTRV 8 WH 25-32	3270215	53
D-PTRV 8 WH 25-32 LGS	3270216	53
D-PTRV 8 WH 8-1	3270242	53
D-PTRV 8 WH 8-1 LGS	3270244	53
D-PTRV 8 WH 9-16	3270211	53
D-PTRV 8 WH 9-16 LGS	3270212	53
D-PTRV 8 WH A-H	3270156	53
D-PTRV 8 WH A-H LGS	3270241	53
D-PTRV 8 WH A-P	3270217	53
D-PTRV 8 WH A-P LGS	3270218	53
D-PTRV 8 WH H-A	3270243	53
D-PTRV 8 WH H-A LGS	3270245	53
D-PTS 1,5/S	3214576	44
D-PTS 1,5/S-3L/3P	1027887	279
D-PTS 4	3213600	107
D-PTT 1,5/S-2MT-0,8	3210353	43
D-PTT 1,5/S-2MT-0,8 OG	3210354	43
D-PTT 2,5-2MT-0,8	3210300	77
D-PTT 2,5-2MT-0,8 OG	3210299	77
D-PTTB 1,5/S	3208579	39
D-PTTB 1,5/S-0,8 OG	1029589	39
D-PTTB 1,5/S/2P	3212471	277
D-PTTB 1,5/S/4P	3213894	278
D-PTTB 2,5	3211634	72
D-PTTB 4-TG	3211918	101
D-PTTBS 1,5/S	3214699	45
D-PTTBS 1,5/S-0,8 OG	1029588	40
D-PTTBS 1,5/S-KNX	3214664	40
D-PTTBS 1,5/S/2P	3214534	281
D-PTTBS 2,5-2MTB	3210404	77
D-PTTBS 2,5-QUATTRO	3210613	72
D-PTTBS 2,5-TWIN	3210608	72
D-PTTBS 2,5/2P	3211264	292
D-PTTBS 4	3211849	107
D-PTU 2,5	3209522	84
D-PTU 4	3211858	106
D-PTU 4-MT	3209534	106
D-PTU 4-TWIN	3211863	106
D-PTU 6-T	3209533	117
D-PTV 2,5	1079914	88
D-PTV 2,5-QUATTRO	1079917	88
D-PTV 2,5-TWIN	1079916	88
D-QTC 1,5	3205161	257
D-QTC 1,5-QUATTRO	3205174	257
D-QTC 1,5-TWIN	3205190	257
D-QTC 1,5/1P	3206322	287
D-QTC 2,5	3206568	263
D-QTC 2,5-QUATTRO	3206449	263
D-QTC 2,5-TWIN	3206571	263
D-QTCS 1,5	3206270	261
D-QTCS 1,5-TWIN	3206403	261
D-QTCS 2,5	3206584	265
D-QTCS 2,5 TWIN	3050523	265
D-QTCU 1,5	3206283	260
D-QTCU 1,5-TWIN	3206296	260
D-QTCU 2,5	3206597	264
D-QTCU 2,5 TWIN	3050510	264

Type	Order No.	Page
D-QTCU 2,5-TWIN-MT	3050511	265
D-QTTCB 1,5	3205187	258
D-QTTCB 1,5/2P	3206306	287
D-QTTCBS 1,5	3206335	261
D-QTTCBU 1,5	3050536	260
D-RSC 5	3058020	387
D-RSC 5-F	3059647	387
D-RSC 5-T	3058046	388
D-RSC 5-T-F	3059346	388
D-RSC 6	3213098	389
D-RSC 6-F	3213108	389
D-RT 3/5	3049097	379
D-RT 4-T	3000606	383
D-RT 5-T	3049291	382
D-RT 8	3049194	385
D-SC 2,5	3042243	313
D-SC 4	3043307	341
D-SRTK 6	3029981	240
D-SSK 0525 KER	0201061	541
D-SSK 110 KER	0202060	542
D-SSK 116 KER	0203069	543
D-SSK 135 KER	0205067	543
D-ST 1,5/S-QUATTRO	3213166	208
D-ST 10	3036644	243
D-ST 10-TWIN	3035315	243
D-ST 16	3036657	247
D-ST 16-TWIN	3035357	247
D-ST 2,5	3030417	71
D-ST 2,5-0,8 OG	3030511	71
D-ST 2,5-3L	3036660	213
D-ST 2,5-4L/1P	3041930	311
D-ST 2,5-4L/2P	3041927	311
D-ST 2,5-PE/3L	3036673	213
D-ST 2,5-QUATTRO	3030514	71
D-ST 2,5-QUATTRO-0,8 OG	3030513	71
D-ST 2,5-QUATTRO-MT	3038590	76
D-ST 2,5-QUATTRO/2P	3040083	291
D-ST 2,5-QUATTRO/4P	3042175	293
D-ST 2,5-TWIN	3030488	71
D-ST 2,5-TWIN-0,8 OG	3030512	71
D-ST 4	3030420	99
D-ST 4-QUATTRO	3030527	229
D-ST 4-QUATTRO/2P	3043747	339
D-ST 4-QUATTRO/4CP	3042739	340
D-ST 4-TWIN	3030491	229
D-ST 6	3030433	237
D-ST 6-TWIN	3036767	237
D-STIO 2,5/3	3209112	214
D-STIO 2,5/4	3209125	215
D-STS 2,5	3031762	84
D-STS 4	3031704	233
D-STS 4-TWIN/L	3036770	234
D-STS 6	3038189	239
D-STS 6-TWIN	3038202	239
D-STTB 2,5	3030459	208
D-STTB 2,5-TWIN	3038558	212
D-STTB 2,5/2P	3040096	292
D-STTB 2,5/4P	3061538	293
D-STTB 4	3030462	99
D-STTBS 2,5	3038503	85
D-STTBS 4	3035098	234
D-STTBS 4-MT	3035548	235
D-STTBU 4	3033207	233
D-STU 10/ 4X2,5	3033197	244
D-STU 2,5-TWIN	3033045	84
D-STU 4-TWIN	3033087	233
D-TP-VBS	0851026	536
D-UDK 4	2775113	470
D-UDK 4 BU	2775197	470
D-UDK-RELG	2777027	507
D-UGSK	0304023	517
D-UHSK 2000	0704021	460
D-UK 2,5	3001022	458
D-UK 2,5 BU	3001103	458
D-UK 4/10	3003020	459
D-UK 4/10 BU	3003101	459
D-UK 5-TWIN	1923034	466
D-UK 5-TWIN BU	1923050	466
D-UK 16	3006027	461
D-UK 4-SD	3246862	526
D-UK 5-HESI N	3000543	490
D-UK 6-T	3072802	520
D-UKK 3/5	2770024	472
D-UKK 3/5 BU	2770105	472
D-UKK 4	2770558	538
D-UKKB 3/5	2771023	472
D-UKKB 3/5 BU	2771104	472
D-UKKB 10	3001394	474
D-URTK	0310020	519
D-URTK 6	3026340	523
D-URTK/S-BEN	0308029	519
D-URTK/SS	0321022	517
D-USK 4/10	0260028	537
D-USST 4-MT	3070304	547
D-USST 4/10	3070370	545
D-USST 6-T	3070367	548
D-UT 16	3047206	185
D-UT 2,5-3L	3214314	150
D-UT 2,5/10	3047028	149
D-UT 2,5/1P	3047154	303
D-UT 2,5/4-QUATTRO	3047170	149
D-UT 2,5/4-TWIN	3047141	149
D-UT 4-QUATTRO HV	3048852	160
D-UT 4-QUATTRO/ 2P	3045648	329
D-UT 4-TWIN HV	3000710	159
D-UT 4-TWIN/ 1P	3045237	303
D-UT 4/1P-H	3001382	329
D-UT 6-3L	3046707	173
D-UT 6-QUATTRO/2P	3060607	355
D-UT 6-T-HV	3070147	176
D-UT 6-T/SP	3072816	176
D-UTI 6/3	1025464	178
D-UTI/3	3076036	154
D-UTME 4	3047491	169
D-UTME 4-CT/1P	3057445	332
D-UTME 4/1P	3057429	331
D-UTME 6	3047426	177
D-UTN 2,5/10	3245079	154
D-UTT 2,5/4	3044676	151
D-UTTB 2,5/4	3047293	149
D-UTTB 2,5/4 2P	3060393	303
D-UTTB 4 HV	3000709	160
D-UVK 4	1922022	535
D-UVKB 4	1920024	534
DF-CP 2,5-4L	3012327	294
DF-PTMC-2-ZB	3270406	57
DF-PTMC-3-ZB	3270405	57
DF-PTMC-NS	3270403	57
DF-PTMC-O	3270400	57
DF-PTMC-U	3270401	57
DF-PTMC-ZB	3270410	57
DF-SP-H 2,5	3209824	372
DF-UP 4	3060348	372
DF-UP 6	3060856	372
DF-UPBV 2,5/ 4	3060432	372
DFS-CP 2,5-4L	3012321	294
DFS-CP-H 2,5-4L	3012317	294
DFS-SP-H 2,5	3061431	371
DFS-SPB 2,5	3061444	371
DFS-SPDB 2,5	3061457	371
DG-MTTB 1,5	3002678	555
DG-UKK 3/5	2770817	488
DIK 1,5	2715966	480
DIK 1,5 BU	2716059	480
DIK 1,5-LA 24GN/O-M	2715762	482
DIK 1,5-LA 24GN/U-O	2715733	482
DIK 1,5-LA 24RD/O-M	2715856	482
DIK 1,5-LA 24RD/U-O	2715995	482
DIKD 1,5	2715979	481
DIKD 1,5 BU	2716101	481
DIKD 1,5-2D	2716512	481
DIKD 1,5-LA 24GN/O-M	2716376	483
DIKD 1,5-LA 24GN/U-O	2716402	483
DIKD 1,5-LA 24RD/O-M	2715814	483
DIKD 1,5-LA 24RD/U-O	2716279	483
DIKD 1,5-PV	2715092	481
DIKD 1,5-PV BK	2715571	481
DIKD 1,5-PV BU	2715584	481
DIKD 1,5-TG	2774237	483
DLK 2,5-PE	3011041	489
DLK 4-PE	3011999	489
DLKB 2,5-PE	3011038	489
DOK 1,5	2717016	484
DOK 1,5-2D	2717139	485
DOK 1,5-LA 24GN/O-M	2717074	484
DOK 1,5-LA 24RD/O-M	2717029	484
DOK 1,5-TG	2717113	485
DOKD 1,5-TG	3011054	485
DP PS-3,5	3031011	38
DP PS-4	3036712	206
DP PS-5	3036725	70
DP PS-6	3036738	98
DP PS-8	3036741	110
DP-CP-H 2,5-4L	3012319	294
DP-MBKKB 2,5	1413065	560
DP-MTTB 1,5	3002681	555
DP-PT 10,3-HESI	3062155	122
DP-PT 2,5-HEXA/3P	3040060	291
DP-PT 6-T P/P HV-1,8	1028592	114
DP-PTRV 4	3270163	46
DP-PTRV 8	3270166	50
DP-RSCWE 6-3	3069314	641
DP-STMED 6	3035690	115
DP-UK 10,3-HESI A	1045724	500
DP-UKK 3/5	2770794	472
DP-UKKB 3/ 5	2770804	472
DP-UTT 2,5/4	3044677	151
DP-UTTB 2,5/4	3047303	149
DS-PTIO 1,5/S	1045987	42

E

Type	Order No.	Page
E-UTWE 6	3069055	616
E/1	1201044	541
E/AL-NS 35	1201662	390
EB 2- 5	1401158	560
EB 2- 6	0201155	467
EB 2- 8	0202154	117
EB 2-10	0203153	493
EB 2-25/UKH	0201362	194
EB 2-31/UKH	0201388	196
EB 2-36/UKH	0201401	198
EB 2-OTTA 2,5	3026065	563
EB 2-OTTA 6	0790608	564
EB 3- 5	1401145	560
EB 3- 6	0201142	467
EB 3- 8	0202141	117
EB 3-25/UKH	0201375	194
EB 3-31/UKH	0201391	196
EB 3-36/UKH	0201414	198
EB 3-OTTA 2,5	3026078	563
EB 3-OTTA 6	3026036	564
EB 4- 8	0202142	117
EB 4-OTTA 2,5	3026081	563
EB 4-OTTA 6	3026049	564
EB 5-OTTA 2,5	3026094	563
EB 5-OTTA 6	3026050	564
EB 6-OTTA 2,5	3026104	563
EB 7-OTTA 2,5	3026117	563
EB 7-OTTA 6	3026052	564
EB 10- 5	1401132	560
EB 10- 6	0201139	459
EB 10- 8	0202138	117
EB 10- DIK BU	2716680	480
EB 10- DIK GY	2715937	480
EB 10- DIK RD	2716774	480
EB 10- OTTA 6	0790420	564
EB 10-10	0203137	461
EB 10-12	3006137	461
EB 10-OTTA 2,5	3026120	563
EB 16-18 A	1006832	500
EB 16-22 A	1006839	500
EB 2-18 A	3009310	500
EB 2-20/PT	3260067	136
EB 2-25/PT	3260157	138
EB 2-31/PT	3215057	140
EB 3-18 A	3009311	500
EB 3-20/PT	3260068	136
EB 3-25/PT	3260160	138
EB 3-31/PT	3215058	140
EB 4-18 A	3009313	500
EB 4-22 A	3009316	500
EB 4-25/PT	3260161	138
EB 56-18 A	3009315	500
EB 56-22 A	3009319	500
EB 8-18 A	3009314	500
EB 8-22 A	3009318	500
EB 80- DIK BU	2715940	480
EB 80- DIK RD	2715953	480
EB 80- DIK WH	2715788	480
EBL 2- 5	2303145	466
EBL 3- 5	2303158	466
EBL 10- 5	2303132	459
EBS 2- 8	3118151	490
EBS 3- 8	3118148	490
EBS 10- 8	3118135	490
ESB 2-MZDB	3029703	222

F

Type	Order No.	Page
FAME-BAG 260	3069520	637
FB 10- GSK/S	0305174	517
FB 10- RTK/S	0311171	519
FB 10- URTK/SP	0311663	525
FB 10-13	3059126	387
FB 10-13 ISO	3059663	387
FB 10-17	3075951	389
FB 10-17 ISO	3213085	389
FB 10-9	3059113	569
FB 10-9 ISO	3059650	569
FBI 2-15	0201333	461
FBI 2-20	0201346	188
FBI 3-20	0201317	188
FBI 10- 6	0203250	459
FBI 10- 8	0203263	460
FBI 10-10	0203276	460
FBI 10-12	0203454	461
FBI 2-20 N	3213195	190
FBI 3-20 N	3213205	190
FBP 10+1	1029719	615
FBP 11+1	1029720	615
FBP 12+1	3069408	615
FBP 3+1	3069399	615
FBP 4+1	3069405	615
FBP 5+1	3069409	615
FBP 6+1	3069406	615
FBP 7+1	3069400	615
FBP 8+1	3069407	615
FBP 9+1	1029718	615
FBP-2/10	3069881	626
FBP-2/11	3069882	626
FBP-2/12	3069883	626
FBP-2/13	3069884	626
FBP-2/14	3069885	626
FBP-2/15	3069886	626
FBP-2/16	3069887	626
FBP-2/17	3069888	626
FBP-2/18	3069889	626
FBP-2/19	3069890	626
FBP-2/20	3069891	626
FBP-2/21	3069892	626
FBP-2/22	3069893	626
FBP-2/23	3069894	626
FBP-2/24	3069895	626
FBP-2/25	3069896	626
FBP-2/4	3069875	626
FBP-2/5	3069876	626
FBP-2/6	3069877	626
FBP-2/7	3069878	626
FBP-2/8	3069879	626
FBP-2/9	3069880	626
FBP-2/A14	3069500	631

Alphabetical

Type	Order No.	Page
FBP-2/A7	3069497	631
FBP-2/B14	3069501	631
FBP-2/B19	3069503	631
FBP-2/B7	3069498	631
FBP-2/C14	3069502	631
FBP-2/C19	3069504	631
FBP-2/D19	3069671	631
FBP-2/E7	3069499	631
FBP-2/F19	3069675	631
FBP-2/G19	3069676	631
FBP-2/H19	3069677	631
FBP-2/I19	3069678	631
FBP-3/4 SL	1030010	644
FBP-3/6 SL	1090788	644
FBP-3/10 TR	3069924	639
FBP-3/11 TR	3069948	639
FBP-3/12 TR	3069923	639
FBP-3/13 TR	3069934	639
FBP-3/14 TR	3069925	639
FBP-3/2 TR	3069926	639
FBP-3/3 TR	3069927	639
FBP-3/4 TR	3069922	639
FBP-3/5 TR	3069928	639
FBP-3/6 TR	3069929	639
FBP-3/7 TR	3069945	639
FBP-3/8 TR	3069946	639
FBP-3/9 TR	3069947	639
FBP-3F 2U	1029275	651
FBP-3F 3U	1029276	651
FBP-3F 4U	1029279	651
FBP-3F/12 3U AUX	1029337	651
FBP-3F/14	1029280	651
FBP-3F/14 4U AUX	1029339	651
FBP-3F/14 AUX	1029338	651
FBP-3F/8	1029278	651
FBRI 2-5 N	3000227	470
FBRI 3-5 N	3000201	470
FBRI 4-5 N	3000191	470
FBRI 10-5 N	2770642	459
FBRI 10-8 N	2772080	240
FBRN 10-4 N	3001624	458
FBRNI 2-5 N	3000175	472
FBRNI 3-5 N	3000162	472
FBRNI 4-5 N	3000159	472
FBRNI 10-5 N	2770639	472
FBRNI 10-6 N	2770626	517
FBS 1/3-8	3032363	402
FBS 1/3/5-8	3032389	402
FBS 1/4-8	3032376	402
FBS 1/4/7/10-8	3032402	402
FBS 1/5-8	3032381	176
FBS 2-10	3005947	120
FBS 2-12	3005950	124
FBS 2-16	3005963	134
FBS 2-4	3030116	206
FBS 2-4 BU	3030117	403
FBS 2-4 GY	3030118	403
FBS 2-5	3030161	70
FBS 2-5 BU	3036877	403
FBS 2-5 GY	3038969	403
FBS 2-6	3030336	98
FBS 2-6 BU	3036932	403
FBS 2-6 GY	3032237	403
FBS 2-8	3030284	110
FBS 2-8 BU	3032567	403
FBS 2-8 CT	3033830	403
FBS 2-8 GY	3032621	403
FBS 3-4	3030129	206
FBS 3-4 BU	3030130	403
FBS 3-4 GY	3030131	403
FBS 3-5	3030174	70
FBS 3-5 BU	3036880	403
FBS 3-5 GY	3038972	403
FBS 3-6	3030242	98
FBS 3-6 BU	3036945	403
FBS 3-6 GY	3032240	403
FBS 3-8	3030297	110
FBS 3-8 BU	3032570	403
FBS 3-8 CT	3033831	403
FBS 3-8 GY	3032622	403
FBS 4-4	3030132	206
FBS 4-4 BU	3030133	403
FBS 4-4 GY	3030134	403
FBS 4-5	3030187	70
FBS 4-5 BU	3036893	403
FBS 4-5 GY	3038985	403
FBS 4-6	3030255	98
FBS 4-6 BU	3036958	403
FBS 4-6 GY	3032279	403
FBS 4-8	3030307	110
FBS 4-8 BU	3032583	403
FBS 4-8 CT	3033832	403
FBS 4-8 GY	3032635	403
FBS 5-10	3005948	120
FBS 5-4	3030145	206
FBS 5-4 BU	3030146	403
FBS 5-4 GY	3030147	403
FBS 5-5	3030190	70
FBS 5-5 BU	3036903	403
FBS 5-5 GY	3038998	403
FBS 5-6	3030349	98
FBS 5-6 BU	3036961	403
FBS 5-6 GY	3032266	403
FBS 5-8	3030310	110
FBS 5-8 BU	3032596	403
FBS 5-8 GY	3032648	403
FBS 6-8	3032470	402
FBS 6-8 BU	3032677	403
FBS 6-8 GY	3032664	403
FBS 1,5/S-PV	3216263	404
FBS 1/2/4/6-8	3032378	402
FBS 10-3,5	3213056	38
FBS 10-3,5 BU	3213125	403
FBS 10-3,5 GY	3213196	403
FBS 10-4	3030158	206
FBS 10-4 BU	3036851	403
FBS 10-4 GY	3030160	403
FBS 10-5	3030213	70
FBS 10-5 BU	3036916	403
FBS 10-5 GY	3039007	403
FBS 10-6	3030271	98
FBS 10-6 BU	3032198	403
FBS 10-6 GY	3032253	403
FBS 10-8	3030323	110
FBS 10-8 BU	3032606	403
FBS 10-8 CT	3033833	403
FBS 10-8 GY	3032651	403
FBS 2-3,5	3213014	38
FBS 2-3,5 BU	3213086	403
FBS 2-3,5 GY	3213153	403
FBS 20-3,5	3213069	38
FBS 20-3,5 BU	3213138	403
FBS 20-3,5 GY	3213206	403
FBS 20-4	3030352	206
FBS 20-4 BU	3030353	403
FBS 20-4 GY	3030354	403
FBS 20-5	3030226	70
FBS 20-5 BU	3036929	403
FBS 20-5 GY	3038671	403
FBS 20-6	3030365	98
FBS 20-6 BU	3032208	403
FBS 3-3,5	3213027	38
FBS 3-3,5 BU	3213099	403
FBS 3-3,5 GY	3213167	403
FBS 4-3,5	3213030	38
FBS 4-3,5 BU	3213109	403
FBS 4-3,5 GY	3213180	403
FBS 5-3,5	3213043	38
FBS 5-3,5 BU	3213112	403
FBS 5-3,5 GY	3213183	403
FBS 50-3,5	3000706	402
FBS 50-3,5 BU	3000708	403
FBS 50-3,5 GY	3000707	403
FBS 50-5	3038930	402
FBS 50-5 BU	3032114	403
FBS 50-5 GY	3032127	403
FBS 50-6	3032224	402
FBS 50-6 BU	3032211	403
FBS-PV	3032185	404
FBS-PV PT 2,5-4L	3012318	404
FBS-PV UT	3047358	404
FBSC	3012325	402
FBSL 10-8	3030328	178
FBSL 2-8	3030324	178
FBSL 3-8	3030325	178
FBSL 4-8	3030326	178
FBSL 5-8	3030327	178
FBSR 2-5	3033702	70
FBSR 2-6	3033715	98
FBSR 2-8	3033808	110
FBSR 3-8	3001597	110
FBSR 5-8	3033809	110
FBSR 10-5	3033710	70
FBSR 10-6	3033716	98
FBSR 10-8	3001599	110
FBSR 16-8	3033816	110
FBSR 3-5	3001591	70
FBSR 3-6	3001594	98
FBSR 4-5	3001592	70
FBSR 4-6	3001595	98
FBSR 4-8	3000585	110
FBSR 5-5	3001593	70
FBSR 5-6	3001596	98
FBSRH 2-6	3033812	407
FBSRH 2-8	3033802	407
FBSRH 3-8	3033803	407
FBSRH 4-8	3033804	407
FBST 500-PLC GY	2966838	48
FBST 500-PLC RD	2966786	48
FBSW 2-5/110MM	3030171	405
FBSW 2-5/250MM	3030172	405
FBSW 2-5/60MM	3030170	405
FC 4-PCB/10	3208736	334
FC 4-PCB/8	3208694	334
FIP-3/1 SERVICE	3069921	626
FIP-3/2 SERVICE	3069920	638
FIP-3/3 SERVICE	3069312	638
FIP-3/4 SERVICE	3069313	638
FTMC 1,5 /1-2 -DF	3001984	68
FTMC 1,5 /1-2-NS	3001965	68
FTMC 1,5 /1-3 -DF	3001975	68
FTMC 1,5 /1-3-NS	3001957	68
FTMC 1,5 /2-2 -DF	3001985	68
FTMC 1,5 /2-2-NS	3001966	68
FTMC 1,5 /2-3 -DF	3001976	68
FTMC 1,5 /2-3-NS	3001958	68
FTMC 1,5 /3-2 -DF	3001986	68
FTMC 1,5 /3-2-NS	3001968	68
FTMC 1,5 /3-3 -DF	3001977	68
FTMC 1,5 /3-3-NS	3001959	68
FTMC 1,5 /4-2 -DF	3001987	68
FTMC 1,5 /4-2-NS	3001969	68
FTMC 1,5 /4-3 -DF	3001978	68
FTMC 1,5 /4-3-NS	3001960	68
FTMC 1,5 /5-2 -DF	3001988	68
FTMC 1,5 /5-2-NS	3001971	68
FTMC 1,5 /5-3 -DF	3001979	68
FTMC 1,5 /5-3-NS	3001961	68
FTMC 1,5 /6-2 -DF	3001989	68
FTMC 1,5 /6-2-NS	3001972	68
FTMC 1,5 /6-3 -DF	3001980	68
FTMC 1,5 /6-3-NS	3001962	68
FTMC 1,5 /7-2 -DF	3001990	68
FTMC 1,5 /7-2-NS	3001973	68
FTMC 1,5 /7-3 -DF	3001981	68
FTMC 1,5 /7-3-NS	3001963	68
FTMC 1,5 /8-2 -DF	3001991	68
FTMC 1,5 /8-2-NS	3001974	68
FTMC 1,5 /8-3 -DF	3001982	68
FTMC 1,5 /8-3-NS	3001964	68
FTMC 1,5-2 /BK	3270454	57
FTMC 1,5-2 /BN	3270453	57
FTMC 1,5-2 /BU	3270450	57
FTMC 1,5-2 /GN	3270452	57
FTMC 1,5-2 /GY	3270342	57
FTMC 1,5-2 /OG	3270456	57
FTMC 1,5-2 /PK	3270458	57
FTMC 1,5-2 /RD	3270451	57
FTMC 1,5-2 /VT	3270455	57
FTMC 1,5-2 /WH	3270343	57
FTMC 1,5-2 /YE	3270457	57
FTMC 1,5-3 /BK	3270444	57
FTMC 1,5-3 /BN	3270443	57
FTMC 1,5-3 /BU	3270440	57
FTMC 1,5-3 /GN	3270442	57
FTMC 1,5-3 /GY	3270340	57
FTMC 1,5-3 /OG	3270446	57
FTMC 1,5-3 /PK	3270448	57
FTMC 1,5-3 /RD	3270441	57
FTMC 1,5-3 /VT	3270445	57
FTMC 1,5-3 /WH	3270341	57
FTMC 1,5-3 /YE	3270447	57
FTMC 1,5/32-2	3270354	60
FTMC 1,5/32-2 /BU	3270355	60
FTMC 1,5/32-2H /BU 19Z	3270357	64
FTMC 1,5/32-2H 19Z	3270356	64
FTMC 1,5/32-3	3270350	58
FTMC 1,5/32-3 /BU	3270352	58
FTMC 1,5/32-3 /BU 19Z	3270353	62
FTMC 1,5/32-3 19Z	3270351	62
FTMC 1,5/48-2	3270362	61
FTMC 1,5/48-2 /BU	3270363	61
FTMC 1,5/48-3	3270358	59
FTMC 1,5/48-3 /BU	3270360	59
FTMC 1,5/48-3 /BU 19Z	3270361	63
FTMC 1,5/48-3 19Z	3270359	63
FTMC 1,5/80-2	3270368	61
FTMC 1,5/80-2 /BU	3270369	61
FTMC 1,5/80-3	3270364	59
FTMC 1,5/80-3 /BU	3270366	59
FTMC 1,5/80-3 /BU 19Z	3270367	63
FTMC 1,5/80-3 19Z	3270365	63
FTP 10+1	1029708	615
FTP 11+1	1029709	615
FTP 12+1	3069255	615
FTP 3+1	3069222	615
FTP 4+1	3069223	615
FTP 5+1	3069241	615
FTP 6+1	3069239	615
FTP 7+1	3069243	615
FTP 8+1	3069242	615
FTP 9+1	1029706	615
FTP-2/1 SERVICE	3069469	626
FTP-2/10	3001712	624
FTP-2/11	3001713	624
FTP-2/12	3001714	624
FTP-2/13	3001715	624
FTP-2/14	3001716	624
FTP-2/15	3001717	624
FTP-2/16	3001719	624
FTP-2/17	3001720	624
FTP-2/18	3001722	624
FTP-2/19	3001723	624
FTP-2/2 SERVICE	3069464	626
FTP-2/20	3001724	624
FTP-2/21	3001725	624
FTP-2/22	3001726	624
FTP-2/23	3001727	624
FTP-2/24	3001728	624
FTP-2/25	3001729	624
FTP-2/3 SERVICE	3069465	626
FTP-2/4	3001706	624
FTP-2/4 SERVICE	3069468	626
FTP-2/5	3001707	624
FTP-2/6	3001708	624
FTP-2/7	3001709	624
FTP-2/8	3001710	624
FTP-2/9	3001711	624
FTP-2/A14	3069474	631
FTP-2/A7	3069470	631
FTP-2/B14	3069475	631
FTP-2/B19	3069477	631
FTP-2/B7	3069471	631
FTP-2/C14	3069476	631
FTP-2/C19	3069478	631
FTP-2/D19	3069479	631
FTP-2/E7	3069472	631
FTP-2/F19	3069480	631
FTP-2/G19	3069481	631
FTP-2/H19	3069482	631

Type	Order No.	Page
FTP-2/I19	3069483	631
FTP-3/10S	3069951	637
FTP-3/11S	3069963	637
FTP-3/12S	3069952	637
FTP-3/13S	3069964	637
FTP-3/14S	3069953	637
FTP-3/4S	3069950	637
FTP-3/4SL	1030004	645
FTP-3/4SL GN	1030003	645
FTP-3/5S	3069958	637
FTP-3/6S	3069959	637
FTP-3/6SL GN/BU	1090787	645
FTP-3/7S	3069960	637
FTP-3/8S	3069961	637
FTP-3/9S	3069962	637
FTP-3F/12 3U	1029267	651
FTP-3F/14	1029269	651
FTP-3F/14 4U	1029268	651
FTP-3F/18 4U	1029273	651
FTP-3F/7 2U	1029262	651
FTP-3F/8	1029263	651
FTPC 10+1	3069266	615
FTPC 11+1	3069267	615
FTPC 12+1	3069268	615
FTPC 3+1	3069259	615
FTPC 4+1	3069260	615
FTPC 5+1	3069261	615
FTPC 6+1	3069262	615
FTPC 7+1	3069263	615
FTPC 8+1	3069264	615
FTPC 9+1	3069265	615
FTPC-3/10S	3069931	637
FTPC-3/11S	3069940	637
FTPC-3/12S	3069933	637
FTPC-3/13S	3069941	637
FTPC-3/14S	3069932	637
FTPC-3/4S	3069930	637
FTPC-3/5S	3069935	637
FTPC-3/6S	3069936	637
FTPC-3/7S	3069937	637
FTPC-3/8S	3069938	637
FTPC-3/9S	3069939	637
FTPR-2/10	3001688	624
FTPR-2/11	3001689	624
FTPR-2/12	3001690	624
FTPR-2/13	3001691	624
FTPR-2/14	3001692	624
FTPR-2/15	3001693	624
FTPR-2/16	3001694	624
FTPR-2/17	3001696	624
FTPR-2/18	3001697	624
FTPR-2/19	3001698	624
FTPR-2/20	3001699	624
FTPR-2/21	3001700	624
FTPR-2/22	3001701	624
FTPR-2/23	3001702	624
FTPR-2/24	3001703	624
FTPR-2/25	3001704	624
FTPR-2/4	3001681	624
FTPR-2/5	3001683	624
FTPR-2/6	3001684	624
FTPR-2/7	3001685	624
FTPR-2/8	3001686	624
FTPR-2/9	3001687	624
FTPR-2/A14	3069487	631
FTPR-2/A7	3069484	631
FTPR-2/B14	3069488	631
FTPR-2/B19	3069490	631
FTPR-2/B7	3069485	631
FTPR-2/C14	3069489	631
FTPR-2/C19	3069491	631
FTPR-2/D19	3069492	631
FTPR-2/E7	3069486	631
FTPR-2/F19	3069493	631
FTPR-2/G19	3069494	631
FTPR-2/H19	3069495	631
FTPR-2/I19	3069496	631
FTPR-3/10S	3069955	637
FTPR-3/11S	3069970	637
FTPR-3/12S	3069956	637
FTPR-3/13S	3069971	637
FTPR-3/14S	3069957	637
FTPR-3/4S	3069954	637
FTPR-3/5S	3069965	637
FTPR-3/6S	3069966	637
FTPR-3/7S	3069967	637
FTPR-3/8S	3069968	637
FTPR-3/9S	3069969	637
FTRV 4 /COL-COL	3001883	54
FTRV 4 /COL-RD	3001760	54
FTRV 4 /COL-WH	3001880	54
FTRV 4 /RD	3270175	46
FTRV 4 /RD-COL	3001881	54
FTRV 4 /WH	3270169	46
FTRV 4 /WH-COL	3001882	54
FTRV 4 BU/BU	3270172	46
FTRV 4 BU/RD	3270174	46
FTRV 4 BU/WH	3270173	46
FTRV 4-FE /BKYE	3270185	47
FTRV 4-FE /YEBK	3270184	47
FTRV 4-PV /BK	3270178	47
FTRV 4-PV BU/BK	3270181	47
FTRV 8 /COL-COL	3001888	54
FTRV 8 /COL-RDWH	3001852	54
FTRV 8 /COL-WHRD	3001884	54
FTRV 8 /RDWH	3270193	50
FTRV 8 /RDWH-COL	3001885	54
FTRV 8 /WHRD	3270187	50
FTRV 8 /WHRD-COL	3001887	54
FTRV 8 BU/BU	3270190	50
FTRV 8 BU/RDWH	3270192	50
FTRV 8 BU/WHRD	3270191	50
FTRV 8-FE /BKYE	3270204	51
FTRV 8-FE /YEBK	3270202	51
FTRV 8-PV /BK	3270194	51
FTRV 8-PV BU/BK	3270196	51
FTRVB 4-FI /BK	3270208	48
FTRVB 4-PV /BK	3270207	48
FTRVB 8-FI /BK	3270210	52
FTRVB 8-PV /BK	3270209	52
FUSE 10,3X38 10A PV	3061334	503
FUSE 10,3X38 12A PV	3061347	503
FUSE 10,3X38 16A PV	3061350	503
FUSE 10,3X38 20A PV	3061363	503
FUSE 10,3X38 25A PV	3061364	503
FUSE 10,3X38 2A PV	3061295	503
FUSE 10,3X38 4A PV	3061305	503
FUSE 10,3X38 6A PV	3061318	503
FUSE 10,3X38 8A PV	3061321	503
FUSE 10,3X85 10A PV	3062770	505
FUSE 10,3X85 12A PV	3062771	505
FUSE 10,3X85 16A PV	3062772	505
FUSE 10,3X85 20A PV	3062773	505
FUSE 10,3X85 25A PV	3062774	505
FUSE 10,3X85 2A PV	3062766	505
FUSE 10,3X85 4A PV	3062767	505
FUSE 10,3X85 6A PV	3062768	505
FUSE 10,3X85 8A PV	3062769	505
FWP 10+1	1029716	614
FWP 11+1	1029717	614
FWP 12+1	3069307	614
FWP 3+1	3069270	614
FWP 4+1	3069271	614
FWP 5+1	3069272	614
FWP 6+1	3069284	614
FWP 7+1	3069298	614
FWP 8+1	3069297	614
FWP 9+1	1029715	614
G 5/2	2716020	577
G 5/2 B	2716305	577
G 5/3	2716033	577
G 5/4	2716046	577
G 5/6	2716062	577
G 5/12	2716127	577
G 10/2	2716703	577
G 10/3	2716716	577
G 10/4	2716729	577
G 10/5	2716732	577
GBS 5-25X12	0810588	419
GBS 5-25X5	0829126	419
GBS-ZB/26X6	0809298	419
GE 35/2 BU	3071078	578
GE 35/2-B BU	2701570	579
GS-GSK/S	0305116	517
GTF 76/48	3121025	533
GTF 76/230	3121012	533
HC-RBO 10	3247970	391
HC-RBO 10 BU	3247972	391
HC-RBO 10-FE	3247971	391
HC-RBO 12	3247983	391
HC-RBO 12 BU	3247985	391
HC-RBO 12-FE	3247984	391
HC-RBO 16	3247996	391
HC-RBO 16 BU	3247998	391
HC-RBO 16-FE	3247997	391
HC-RBO 8	3247967	390
HC-RBO 8 BU	3247969	390
HC-RBO 8-FE	3247968	390
HSH-METALL	3210910	367
HSH-METALL-6/8	3000770	367
HSR	3212031	367
HSR 6/8	3000769	367
HV M10/1	3049408	397
HV M10/1 M6/1-STL2	3071081	395
HV M10/1-AP	3049495	395
HV M10/1-VS 2	3049466	395
HV M10/1-VS 3	3049479	395
HV M10/2	3049563	395
HV M12/1	3049505	397
HV M12/1-TP	3049602	396
HV M12/1-VS 2	3049631	397
HV M12/1-VS 3	3049644	397
HV M12/2-TP	3049709	395
HV M5/1	3049107	396
HV M5/1-AP	3049806	396
HV M5/1-VS 2	3049437	396
HV M5/1-VS 3	3049440	396
HV M6/1	3049204	396
HV M6/1-AP	3049903	395
HV M6/1-VS 2	3049262	395
HV M6/1-VS 3	3049275	395
HV M6/2	3049547	395
HV M8/1	3049301	397
HV M8/1 M6/1-STL	3071094	395
HV M8/1-AP	3049398	395
HV M8/1-VS 2	3049369	395
HV M8/1-VS 3	3049372	395
HV M8/2	3049550	395
IS-K 4	1302338	459
IS-K 10	1303337	460
ISH 1,5/0,2	3206131	206
ISH 1,5/0,5	3031034	206
ISH 2,5/0,2	3002843	70
ISH 2,5/0,5	3002856	70
ISH 2,5/1,0	3002869	70
ISH 4/0,5	3002885	98
ISH 4/1,0	3002898	98
ISSBI 10-6	0301505	459
ISSBI 10-8	0301534	460
ISSBI 10-10	0301521	474
KB- 6	0201472	541
KB- 8	0202206	542
KB- 10	0203205	474
KBI- 15	0205203	543
KLM 2	0807575	428
KLM 3	0811969	428
KLM 3-L	0814788	391
KSS 3-6	0309523	592
KSS 4-8	0309549	592
KSS 4-10	0308540	546
KSS 5	2303543	592
KSS 6	0301547	592
KSS 8	0311540	117
KSS 10	0310541	592
KSSI 2-8	3000722	117
KSSI 4-8	3000735	592
MBK 5/E-TG	1415089	506
MBK 6/E	0552024	558
MBKKB 2,5	1414064	560
MBKKB 2,5 BU	1414077	560
MBKKB 2,5-BE	1414103	561
MBKKB 2,5-DIO/O-U	2800567	561
MBKKB 2,5-DIO/U-O	2800570	561
MBKKB 2,5-PV	2800583	560
MBKKB 2,5-PV BU	1414132	560
MP 1,5	3248150	45
MPS-IH BK	0201731	410
MPS-IH BU	0201689	410
MPS-IH GN	0201702	410
MPS-IH GY	0201728	410
MPS-IH RD	0201676	38
MPS-IH WH	0201663	410
MPS-IH YE	0201692	410
MPS-MT	0201744	38
MPS-MT 1-S	1944372	428
MPS-MT 1-S4-B RD	1982800	428
MPS-MT SN	3212251	438
MPS-MT/ 4MM	3048577	410
MPT 1,5/S	3248100	45
MPT 1,5/S-PE	3248110	45
MPT 1,5/S/1P	3248115	278
MPT 1,5/S/1P BU	3248116	278
MPT 1,5/S/1P-PE	3248117	278
MPT 2,5	3248125	97
MPT 2,5 BU	3248126	97
MPT 2,5-PE	3248130	97
MSB 2,5	3244012	222
MSB 2,5 BU	3244025	222
MSB 2,5-F	3244041	223
MSB 2,5-F BU	3244054	223
MSB 2,5-M	3244067	223
MSB 2,5-M BU	3244070	223
MSB 2,5-NS 35	3244119	223
MSB 2,5-NS 35 BU	3244122	223
MSB 2,5-NS 35-PE	3244148	223
MSB 2,5-PE	3244151	222
MSB 2,5-RZ	3244164	224
MSB 2,5-RZ BU	3244177	224
MSBV 2,5	3249017	225
MSBV 2,5 BU	3249020	225
MSBV 2,5-M	3249062	226
MSBV 2,5-M BU	3249075	226
MSBV 2,5-NS 35	3249088	225
MSBV 2,5-NS 35 BU	3249091	225
MSDB 2,5	3244216	222
MSDB 2,5 BU	3244229	222
MSDB 2,5-F	3244232	224
MSDB 2,5-F BU	3244245	224
MSDB 2,5-M	3244258	224
MSDB 2,5-M BU	3244261	224
MSDB 2,5-NS 35	3244300	223
MSDB 2,5-NS 35 BU	3244313	223

Alphabetical

Type	Order No.	Page
MSDB 2,5-RZ	3244339	224
MSDB 2,5-RZ BU	3244342	224
MSDBV 2,5	3249143	225
MSDBV 2,5 BU	3249156	225
MSDBV 2,5-M	3249198	226
MSDBV 2,5-M BU	3249208	226
MSDBV 2,5-NS 35	3249211	225
MSDBV 2,5-NS 35 BU	3249224	225
MSLKG 6	1410505	559
MT 1,5	3100305	553
MT 1,5 BU	3003363	553
MT 1,5-PE	3100318	556
MT 1,5-QUATTRO	3001679	554
MT 1,5-QUATTRO BU	3025150	554
MT 1,5-QUATTRO-PE	3001695	557
MT 1,5-TWIN	3001682	554
MT 1,5-TWIN BU	3025532	554
MT 1,5-TWIN-PE	3001705	557
MTK	3101016	512
MTK BU	3101197	512
MTK-P/P	3104013	512
MTK-P/P BU	3104097	512
MTKD	3100017	513
MTKD-CU/CUNI	3100059	532
MTKD-E-CU/A-CU	3100091	532
MTKD-FE/CUNI	3100046	532
MTKD-NICR/CUNI	3100075	532
MTKD-NICR/NI	3100062	532
MTKD-NICRSI/NISI	5043321	532
MTKD-P/P	3100020	513
MTKD-S-CU/E-CU	3100101	532
MTTB 1,5	1414129	555
MTTB 1,5 BU	3000926	555
MUT 2,5	3248030	157
MUT 2,5 BU	3248031	157
MUT 2,5-PE	3248032	157
MUT 4	3248035	171
MUT 4 BU	3248036	171
MUT 4-PE	3248037	171

N

Type	Order No.	Page
NLS-CU 3/10 SN 1000MM	0402174	596
NLS-CU 6/ 6 SN 1000MM	0402161	603

O

Type	Order No.	Page
OTTA 2,5	0790530	563
OTTA 2,5-P/P	0790543	563
OTTA 2,5-PE	0790556	563
OTTA 6	0790433	564
OTTA 6-P/P	0790404	564
OTTA 6-PE	0790527	565
OTTA 6-T	0790446	566
OTTA 6-T-P/P	0790462	567
OTTA 25-M5	0790488	565
OTTA 25-M6	0790491	565
OTTA 6-T/SB-P/P	3001269	567
OTTAD 6/SB-P/P	1033182	567

P

Type	Order No.	Page
P-CO	3036796	416
P-CO 1N4007/L-R	3032460	416
P-CO 1N4007/R-L	3032457	416
P-CO XL	3036797	417
P-CO XL SKN	3036798	417
P-CO XL-UT	3036799	417
P-DI	3036783	415
P-DI HV	1028594	114
P-DI-MP HV	1028600	114
P-FIX	3038956	416
P-FU 5X20	3036806	414
P-FU 5X20 LA 250	3036835	414
P-FU 5X20 LA 250-EX	3036836	163
P-FU 5X20 LED 24	3036819	414
P-FU 5X20 LED 24-5	3209248	414
P-FU 5X20 LED 24-EX	3036821	163
P-FU 5X20 LED 250-5	3209264	414
P-FU 5X20 LED 60	3036822	414
P-FU 5X20 LED 60-5	3209251	414
P-FU 5X20 LED 60-EX	3036823	163
P-FU 5X20-5	3209235	414
P-FU 5X20-EX	3036807	163
P-FU 6,3X32	3046498	414
P-FU 6,3X32 LA 250	3046524	414
P-FU 6,3X32 LA 250-EX	3046525	174
P-FU 6,3X32 LED 24	3046508	414
P-FU 6,3X32 LED 24-EX	3046509	174
P-FU 6,3X32 LED 60	3046511	414
P-FU 6,3X32 LED 60-EX	3046512	174
P-FU 6,3X32-EX	3046499	174
PAI-4	3030925	412
PAI-4-FIX BK	3032774	116
PAI-4-FIX BN	3032787	116
PAI-4-FIX BU	3032729	116
PAI-4-FIX GN	3032758	116
PAI-4-FIX GY	3032790	116
PAI-4-FIX OG	3034455	116
PAI-4-FIX RD	3032732	116
PAI-4-FIX VT	3032761	116
PAI-4-FIX WH	3032797	116
PAI-4-FIX YE	3032745	116
PAI-4-FIX-5/6 BK	3035980	105
PAI-4-FIX-5/6 BN	3035981	105
PAI-4-FIX-5/6 BU	3035975	105
PAI-4-FIX-5/6 GN	3035978	105
PAI-4-FIX-5/6 GY	3035982	105
PAI-4-FIX-5/6 OG	3035974	105
PAI-4-FIX-5/6 RD	3035976	105
PAI-4-FIX-5/6 VT	3035979	105
PAI-4-FIX-5/6 WH	3035983	105
PAI-4-FIX-5/6 YE	3035977	105
PAI-4-N GY	3032871	70
PAI-ST 35/1000MM	3029994	134
PAIS-4-FIX BK	3032792	413
PAIS-4-FIX BU	3032798	413
PAIS-4-FIX GN	3032801	413
PAIS-4-FIX GY	3032791	413
PAIS-4-FIX RD	3032793	413
PAIS-4-FIX VT	3032802	413
PAIS-4-FIX YE	3032799	413
PC	3040588	276
PC-CT 6/2	3212308	332
PC-FTP-TRI	3069898	627
PC-UTWE-TRI	3069897	627
PDZ/2	3040562	362
PDZ/4	3040575	362
PH 1,5/S/10	3212824	366
PH 1,5/S/11	3212837	366
PH 1,5/S/12	3212840	366
PH 1,5/S/13	3212853	366
PH 1,5/S/14	3212866	366
PH 1,5/S/15	3212879	366
PH 1,5/S/3	3212756	366
PH 1,5/S/4	3212769	366
PH 1,5/S/5	3212772	366
PH 1,5/S/6	3212785	366
PH 1,5/S/7	3212798	366
PH 1,5/S/8	3212808	366
PH 1,5/S/9	3212811	366
PH 2,5/ 2	3209691	366
PH 2,5/ 3	3209701	366
PH 2,5/ 4	3209714	366
PH 2,5/ 5	3209727	366
PH 2,5/ 6	3209730	366
PH 2,5/ 7	3209743	366
PH 2,5/ 8	3209756	366
PH 2,5/ 9	3209507	366
PH 2,5/10	3209769	366
PH 2,5/11	3209772	366
PH 2,5/12	3209785	366
PH 2,5/13	3209798	366
PH 2,5/14	3209808	366
PH 2,5/15	3209811	366
PH 4/10	3000743	366
PH 4/2	3000734	366
PH 4/3	3000736	366
PH 4/4	3000737	366
PH 4/5	3000738	366
PH 4/6	3000739	366
PH 4/7	3000740	366
PH 4/8	3000741	366
PH 4/9	3000742	366
PH 6/2	3000680	366
PH 6/3	3000681	366
PH 6/4	3000682	366
PH 6/5	3000683	366
PH 6/6	3000684	366
PH 6/7	3000685	366
PP 2,5/ 1	3211280	300
PP 2,5/ 1-L	3211271	301
PP 2,5/ 1-L BU	3211272	301
PP 2,5/ 1-L GNYE	3211273	301
PP 2,5/ 1-M	3211274	301
PP 2,5/ 1-M BU	3211275	301
PP 2,5/ 1-M GNYE	3211276	301
PP 2,5/ 1-R	3211277	301
PP 2,5/ 1-R BU	3211278	301
PP 2,5/ 1-R GNYE	3211279	301
PP 2,5/ 2	3211281	300
PP 2,5/ 3	3211282	300
PP 2,5/ 4	3211283	300
PP 2,5/ 5	3211284	300
PP 2,5/ 6	3211285	300
PP 2,5/ 7	3211286	300
PP 2,5/ 8	3211287	300
PP 2,5/ 9	3211288	300
PP 2,5/10	3211289	300
PP 2,5/11	3211290	300
PP 2,5/12	3211291	300
PP 2,5/13	3211292	300
PP 2,5/14	3211293	300
PP 2,5/15	3211294	300
PP-H 1,5/S/1	3212484	284
PP-H 1,5/S/1 BU	3212497	284
PP-H 1,5/S/1 GNYE	3212507	284
PP-H 1,5/S/1-L	3212659	285
PP-H 1,5/S/1-L BU	3212662	285
PP-H 1,5/S/1-L GNYE	3212675	285
PP-H 1,5/S/1-M	3212688	285
PP-H 1,5/S/1-M BU	3212691	285
PP-H 1,5/S/1-M GNYE	3212701	285
PP-H 1,5/S/1-R	3212714	285
PP-H 1,5/S/1-R BU	3212727	285
PP-H 1,5/S/1-R GNYE	3212730	285
PP-H 1,5/S/10	3212594	284
PP-H 1,5/S/11	3212604	284
PP-H 1,5/S/12	3212617	284
PP-H 1,5/S/13	3212620	284
PP-H 1,5/S/14	3212633	284
PP-H 1,5/S/15	3212646	284
PP-H 1,5/S/2	3212510	284
PP-H 1,5/S/3	3212523	284
PP-H 1,5/S/4	3212536	284
PP-H 1,5/S/5	3212549	284
PP-H 1,5/S/6	3212552	284
PP-H 1,5/S/7	3212565	284
PP-H 1,5/S/8	3212578	284
PP-H 1,5/S/9	3212581	284
PP-H 2,5/ 1	3209866	298
PP-H 2,5/ 1 BU	3210017	298
PP-H 2,5/ 1 GNYE	3210020	298
PP-H 2,5/ 2	3209879	298
PP-H 2,5/ 3	3209882	298
PP-H 2,5/ 4	3209895	298
PP-H 2,5/ 5	3209905	298
PP-H 2,5/ 6	3209918	298
PP-H 2,5/ 7	3209921	298
PP-H 2,5/ 8	3209934	298
PP-H 2,5/ 9	3209947	298
PP-H 2,5/1-L	3210062	299
PP-H 2,5/1-L BU	3210075	299
PP-H 2,5/1-L GNYE	3210088	299
PP-H 2,5/1-M	3210091	299
PP-H 2,5/1-M BU	3210101	299
PP-H 2,5/1-M GNYE	3210114	299
PP-H 2,5/1-R	3210127	299
PP-H 2,5/1-R BU	3210130	299
PP-H 2,5/1-R GNYE	3210143	299
PP-H 2,5/10	3209950	298
PP-H 2,5/11	3209963	298
PP-H 2,5/12	3209976	298
PP-H 2,5/13	3209989	298
PP-H 2,5/14	3209992	298
PP-H 2,5/15	3210004	298
PP-H 4/ 1	3212010	327
PP-H 4/ 1 BU	3212077	327
PP-H 4/ 1 GNYE	3212088	327
PP-H 4/ 1-L	3211948	327
PP-H 4/ 1-L BU	3211951	327
PP-H 4/ 1-L GNYE	3211958	327
PP-H 4/ 1-M	3211965	327
PP-H 4/ 1-M BU	3211964	327
PP-H 4/ 1-M GNYE	3211971	327
PP-H 4/ 1-R	3211977	327
PP-H 4/ 1-R BU	3211980	327
PP-H 4/ 1-R GNYE	3211987	327
PP-H 4/ 2	3212016	327
PP-H 4/ 3	3212022	327
PP-H 4/ 4	3212029	327
PP-H 4/ 5	3212035	327
PP-H 4/ 6	3212041	327
PP-H 4/ 7	3212048	327
PP-H 4/ 8	3212054	327
PP-H 4/ 9	3212061	327
PP-H 4/10	3212067	327
PP-H 4/11	3212074	327
PP-H 4/12	3212080	327
PP-H 4/13	3212087	327
PP-H 4/14	3212093	327
PP-H 4/15	3212100	327
PP-H 6/ 1	3061541	352
PP-H 6/ 1 BU	3061554	352
PP-H 6/ 1 GNYE	3061567	352
PP-H 6/ 1-L	3061664	352
PP-H 6/ 1-L BU	3061677	352
PP-H 6/ 1-L GNYE	3061680	352
PP-H 6/ 1-M	3061693	352
PP-H 6/ 1-M BU	3061703	352
PP-H 6/ 1-M GNYE	3061716	352
PP-H 6/ 1-R	3061729	352
PP-H 6/ 1-R BU	3061732	352
PP-H 6/ 1-R GNYE	3061745	352
PP-H 6/ 2	3061570	352
PP-H 6/ 3	3061583	352
PP-H 6/ 4	3061596	352
PP-H 6/ 5	3061606	352
PP-H 6/ 6	3061619	352
PP-H 6/ 7	3061622	352
PP-H 6/ 8	3061635	352
PP-H 6/ 9	3061648	352
PP-H 6/10	3061651	352
PPC 1,5/S-NS/1-L	3213700	283
PPC 1,5/S/ 2	3213386	282
PPC 1,5/S/ 3	3213399	282
PPC 1,5/S/ 4	3213409	282
PPC 1,5/S/ 5	3213412	282
PPC 1,5/S/ 6	3213425	282
PPC 1,5/S/ 7	3213438	282
PPC 1,5/S/ 8	3213441	282
PPC 1,5/S/ 9	3213454	282
PPC 1,5/S/1-L	3213357	282
PPC 1,5/S/1-L BU	3213360	282
PPC 1,5/S/1-L GNYE	3213373	282
PPC 1,5/S/10	3213467	282
PPC 1,5/S/11	3213470	282
PPC 1,5/S/12	3213483	282
PPC 1,5/S/13	3213496	282
PPC 1,5/S/14	3213506	282
PPC 1,5/S/15	3213519	282
PPC 2,5-NS/1-L	3000652	296
PPC 2,5/1-L	3000653	295
PPC 2,5/1-L BU	3000654	295

Type	Order No.	Page
PPC 2,5/1-L GNYE	3000655	295
PPC 2,5/10	3000664	295
PPC 2,5/11	3000665	295
PPC 2,5/12	3000666	295
PPC 2,5/13	3000667	295
PPC 2,5/14	3000668	295
PPC 2,5/15	3000669	295
PPC 2,5/2	3000656	295
PPC 2,5/3	3000657	295
PPC 2,5/4	3000658	295
PPC 2,5/5	3000659	295
PPC 2,5/6	3000660	295
PPC 2,5/7	3000661	295
PPC 2,5/8	3000662	295
PPC 2,5/9	3000663	295
PPC 6-NS/1-L	3000689	351
PPC 6/1-L	3000690	350
PPC 6/1-L BU	3000691	350
PPC 6/1-L GNYE	3000692	350
PPC 6/10	3000702	350
PPC 6/2	3000693	350
PPC 6/3	3000694	350
PPC 6/4	3000695	350
PPC 6/5	3000697	350
PPC 6/6	3000698	350
PPC 6/7	3000699	350
PPC 6/8	3000700	350
PPC 6/9	3000701	350
PPCT 6/2	3212304	348
PPCT 6/3	3212305	348
PR	3040559	363
PR 1,5/S	3212882	363
PR 1,5/S/2	3212895	363
PR/2	3040630	363
PROJECT COMPLETE	1050453	667
PRT/2	3040631	363
PRV/2	3041862	363
PRZ	3040614	363
PRZ 1,5/S	3212905	363
PS 6-CT-SD	3246857	527
PS 6-DI-SD	3246856	527
PS 6-VT-SD	3246858	527
PS-3,5	3031010	38
PS-3,5/E	3031012	411
PS-4	3030970	206
PS-4/E	3036709	411
PS-5	3030983	70
PS-5/2,3MM RD	3038723	410
PS-6	3030996	98
PS-6/2,3MM RD	3038736	410
PS-7,5/2,3MM RD	3038749	591
PS-8	3031005	110
PS-8/2,3MM RD	3048564	410
PS-UK 2,5 B/E	3001132	410
PS-UK 2,5 B/Z-5	3001226	410
PS-UK 2,5 B/Z-6	3001239	410
PS-UKK 3	3000638	411
PS-UKK 5	3000625	411
PS-UKK/E	3000641	411
PSB 3/10/4	0601292	590
PSB 4/7/6	0303299	590
PSB 6/5/6	0205290	590
PSBJ 3,5/18/6 BK	0311388	586
PSBJ 3,5/18/6 BU	0311333	586
PSBJ 3,5/18/6 FARBLOS	0311391	586
PSBJ 3,5/18/6 GN	0311359	586
PSBJ 3,5/18/6 GY	0311375	586
PSBJ 3,5/18/6 RD	0311320	586
PSBJ 3,5/18/6 VT	0311362	586
PSBJ 3,5/18/6 WH	0311317	586
PSBJ 3,5/18/6 YE	0311346	586
PSBJ 3/13/4	0201304	586
PSBJ 3/50/6 GY	3048098	587
PSBJ 3/52/6 GY	3048085	587
PSBJ 4/15/6 BK	0303406	586
PSBJ 4/15/6 BU	0303354	586
PSBJ 4/15/6 FARBLOS	0303419	586
PSBJ 4/15/6 GY	0303396	586
PSBJ 4/15/6 RD	0303325	586
PSBJ 4/15/6 WH	0303312	586
PSBJ 4/15/6 YE	0303367	586
PSBJ 4/41/8 GY	3206186	587
PSBJ 4/51/8 GY	3206173	587
PSBJ 6-T BK	3070318	589
PSBJ 6-T BN	3070317	589
PSBJ 6-T BU	3070329	589
PSBJ 6-T GN	3070327	589
PSBJ 6-T GY	3070316	589
PSBJ 6-T OG	3070320	117
PSBJ 6-T RD	3070319	589
PSBJ 6-T VT	3070328	589
PSBJ 6-T YE	3070326	589
PSBJ-GSK/S BK	0305381	517
PSBJ-GSK/S BU	0305336	517
PSBJ-GSK/S FARBLOS	0305394	517
PSBJ-GSK/S GN	0305352	517
PSBJ-GSK/S GY	0305378	517
PSBJ-GSK/S RD	0305323	517
PSBJ-GSK/S VT	0305365	517
PSBJ-GSK/S WH	0305310	517
PSBJ-GSK/S YE	0305349	517
PSBJ-GSK/S-N BU	3032894	588
PSBJ-GSK/S-N GN	3032892	588
PSBJ-GSK/S-N OG	3032890	588
PSBJ-GSK/S-N VT	3032893	588
PSBJ-GSK/S-N YE	3032891	588
PSBJ-URTK 6 BK	3026447	587
PSBJ-URTK 6 BN	3026971	587
PSBJ-URTK 6 BU	3026434	587
PSBJ-URTK 6 FARBLOS	3026450	587
PSBJ-URTK 6 GN	3026418	587
PSBJ-URTK 6 GY	3026612	587
PSBJ-URTK 6 RD	3026719	587
PSBJ-URTK 6 VT	3026421	587
PSBJ-URTK 6 WH	3026448	617
PSBJ-URTK 6 YE	3026405	587
PSBJ-URTK/S BK	0311728	587
PSBJ-URTK/S BU	0311757	587
PSBJ-URTK/S GN	0311760	587
PSBJ-URTK/S RD	0311744	587
PSBJ-URTK/S VT	0311773	587
PSBJ-URTK/S YE	0311731	587
PSH 3- 6	3040591	364
PSH 3- 6 500MM	3061525	364
PSH 5-10	3040601	364
PT 1,5/S	3208100	39
PT 1,5/S BU	3208126	39
PT 1,5/S-3L	3213713	40
PT 1,5/S-3L BU	3213726	40
PT 1,5/S-3PE	3213739	40
PT 1,5/S-3PV	3213742	40
PT 1,5/S-MT	3210301	42
PT 1,5/S-MT BU	3210302	42
PT 1,5/S-MTD	3210308	42
PT 1,5/S-MTD BU	3210309	42
PT 1,5/S-PE	3208139	39
PT 1,5/S-PE/L/L	3213768	40
PT 1,5/S-PE/L/N	3213755	40
PT 1,5/S-QUATTRO	3208197	39
PT 1,5/S-QUATTRO BU	3208208	39
PT 1,5/S-QUATTRO-MT	3210321	43
PT 1,5/S-QUATTRO-MT BU	3210322	43
PT 1,5/S-QUATTRO-MTD	3210328	43
PT 1,5/S-QUATTRO-MTD BU	3210329	43
PT 1,5/S-QUATTRO-PE	3208333	39
PT 1,5/S-QUATTRO-U	3208359	39
PT 1,5/S-QUATTRO/2P	3212390	277
PT 1,5/S-QUATTRO/2P BU	3212400	277
PT 1,5/S-QUATTRO/2P-PE	3212413	277
PT 1,5/S-TWIN	3208155	39
PT 1,5/S-TWIN BU	3208168	39
PT 1,5/S-TWIN-MT	3210311	42
PT 1,5/S-TWIN-MT BU	3210312	42
PT 1,5/S-TWIN-MTD	3210317	42
PT 1,5/S-TWIN-MTD BU	3210319	42
PT 1,5/S-TWIN-PE	3208171	39
PT 1,5/S-TWIN/1P	3212358	277
PT 1,5/S-TWIN/1P BU	3212361	277
PT 1,5/S-TWIN/1P-PE	3212374	277
PT 1,5/S/1P	3208582	277
PT 1,5/S/1P BU	3208595	277
PT 1,5/S/1P-PE	3212332	277
PT 1,5/S/2P	3213784	278
PT 1,5/S/2P BU	3213797	278
PT 1,5/S/2P-PE	3213810	278
PT 10	3212120	121
PT 10 BU	3212123	121
PT 10,3-HESI 1000V	3062142	122
PT 10,3-HESILED 1000V	3062143	122
PT 10-PE	3212131	121
PT 10-TWIN	3208746	121
PT 10-TWIN BU	3208747	121
PT 10-TWIN-PE	3208745	121
PT 16 N	3212138	125
PT 16 N BU	3212142	125
PT 16 N-PE	3212147	125
PT 16-TWIN N	3208760	125
PT 16-TWIN N BU	3208773	125
PT 16-TWIN N-PE	3208786	125
PT 2,5	3209510	71
PT 2,5 BU	3209523	71
PT 2,5-3L	3210499	73
PT 2,5-3L BU	3210509	73
PT 2,5-3PE	3210525	73
PT 2,5-3PV	3210512	73
PT 2,5-4L/1P	3012300	294
PT 2,5-4L/1P-F	3012326	294
PT 2,5-4L/1P-FS	3012302	294
PT 2,5-4L/2P	3012310	294
PT 2,5-4L/2P-FS	3012312	294
PT 2,5-DIO/L-R	3210224	81
PT 2,5-DIO/R-L	3210237	81
PT 2,5-HEXA/3P	3040044	291
PT 2,5-HEXA/3P BU	3040048	291
PT 2,5-HEXA/3P-PE	3040052	291
PT 2,5-MT	3210156	78
PT 2,5-MT BU	3211650	78
PT 2,5-MTB	3210157	78
PT 2,5-MTB BU	3210163	78
PT 2,5-PE	3209536	71
PT 2,5-PE/3L	3210542	73
PT 2,5-PE/3L/2P	3012316	294
PT 2,5-PE/L/L	3210541	73
PT 2,5-PE/L/N	3210538	73
PT 2,5-QUATTRO	3209578	71
PT 2,5-QUATTRO BU	3209581	71
PT 2,5-QUATTRO-DIO/L-R	3210266	81
PT 2,5-QUATTRO-DIO/R-L	3210279	81
PT 2,5-QUATTRO-MT	3210172	79
PT 2,5-QUATTRO-MT BU	3211676	79
PT 2,5-QUATTRO-MTB	3210184	79
PT 2,5-QUATTRO-MTB BU	3210191	79
PT 2,5-QUATTRO-PE	3209594	71
PT 2,5-QUATTRO-TG	3210208	76
PT 2,5-QUATTRO-TGB	3210194	76
PT 2,5-QUATTRO/2P	3209662	291
PT 2,5-QUATTRO/2P BU	3209675	291
PT 2,5-QUATTRO/2P-PE	3209688	291
PT 2,5-TG	3210185	74
PT 2,5-TGB	3210192	74
PT 2,5-TWIN	3209549	71
PT 2,5-TWIN BU	3209552	71
PT 2,5-TWIN-DIO/L-R	3210240	81
PT 2,5-TWIN-DIO/R-L	3210253	81
PT 2,5-TWIN-MT	3210169	79
PT 2,5-TWIN-MT BU	3211663	79
PT 2,5-TWIN-MTB	3210170	79
PT 2,5-TWIN-MTB BU	3210177	79
PT 2,5-TWIN-PE	3209565	71
PT 2,5-TWIN-TG	3210198	75
PT 2,5-TWIN-TGB	3210193	75
PT 2,5-TWIN/1P	3209633	291
PT 2,5-TWIN/1P BU	3209646	291
PT 2,5-TWIN/1P-PE	3209659	291
PT 2,5/1P	3210033	291
PT 2,5/1P BU	3210046	291
PT 2,5/1P-PE	3210059	291
PT 2,5/S-QUATTRO	3211019	71
PT 2,5/S-QUATTRO BU	3211022	71
PT 2,5/S-QUATTRO-PE	3211025	71
PT 2X10/9X4	3002369	123
PT 2X10/9X4 BU	3002368	123
PT 4	3211757	99
PT 4 BU	3211760	99
PT 4-FSI/F	3208943	102
PT 4-FSI/F-LED 12	3208951	102
PT 4-FSI/F-LED 24	3208964	102
PT 4-HESI (5X20)	3211861	101
PT 4-HESILA 250 (5X20)	3211907	101
PT 4-HESILED 24 (5X20)	3211903	101
PT 4-HESILED 60 (5X20)	3207908	101
PT 4-L	3002616	100
PT 4-L/HESI (5X20)	3002608	102
PT 4-L/HESILED 24 (5X20)	3002609	102
PT 4-L/HESILED 250 (5X20)	3002612	102
PT 4-L/HESILED 60 (5X20)	3002611	102
PT 4-L/L	3002615	100
PT 4-MT	3211933	103
PT 4-MT BU	3211934	103
PT 4-PE	3211766	99
PT 4-PE/3L	3210442	100
PT 4-PE/L/HESI (5X20)	3002602	102
PT 4-PE/L/HESILED 24 (5X20)	3002603	102
PT 4-PE/L/HESILED 250 (5X20)	3002605	102
PT 4-PE/L/HESILED 60 (5X20)	3002604	102
PT 4-PE/L/L	3002613	100
PT 4-PE/L/MT	3002617	104
PT 4-PE/L/N	3002614	100
PT 4-PE/L/TG	3002618	104
PT 4-QUATTRO	3211797	99
PT 4-QUATTRO BU	3211802	99
PT 4-QUATTRO-DIO 1N 5408/L-R	3211919	104
PT 4-QUATTRO-DIO 1N 5408/R-L	3211921	104
PT 4-QUATTRO-PE	3211809	99
PT 4-QUATTRO/2P	3211991	325
PT 4-QUATTRO/2P BU	3212000	325
PT 4-QUATTRO/2P-PE	3211999	325
PT 4-TG	3211922	103
PT 4-TWIN	3211771	99
PT 4-TWIN BU	3211775	99
PT 4-TWIN-PE	3211780	99
PT 4-TWIN/1P	3212200	325
PT 4-TWIN/1P BU	3212201	325
PT 4-TWIN/1P-PE	3212202	325
PT 4-WE	3044900	653
PT 4-WE/1	3044906	653
PT 4-WE/10	3044915	653
PT 4-WE/11	3044916	653
PT 4-WE/12	3044917	653
PT 4-WE/13	3044918	653
PT 4-WE/14	3044919	653
PT 4-WE/15	3044920	653
PT 4-WE/16	3044921	653
PT 4-WE/17	3044922	653
PT 4-WE/18	3044923	653
PT 4-WE/19	3044924	653
PT 4-WE/2	3044907	653
PT 4-WE/20	3044925	653
PT 4-WE/3	3044908	653
PT 4-WE/4	3044909	653
PT 4-WE/5	3044910	653
PT 4-WE/6	3044911	653
PT 4-WE/7	3044912	653
PT 4-WE/8	3044913	653
PT 4-WE/9	3044914	653
PT 4/1P	3211937	325
PT 4/1P BU	3212007	325
PT 4/1P-PE	3211942	325
PT 6	3211813	111
PT 6 BU	3211819	111
PT 6-DREHSI (5X20)	3025042	113
PT 6-DREHSILA 250 (5X20)	3025044	113
PT 6-DREHSILED 24 (5X20)	3025046	113
PT 6-FSI/C	3212166	112
PT 6-FSI/C-LED 12	3212169	112
PT 6-FSI/C-LED 24	3212172	112
PT 6-FSI/C-LED 48	3212175	112
PT 6-HESI (6,3X32)	3211870	112
PT 6-HESILED 24 (6,3X32)	3211874	112

Type	Order No.	Page
PT 6-HESILED 250 (6,3X32)	3212133	112
PT 6-HESILED 60 (6,3X32)	3211868	112
PT 6-MT	3212160	113
PT 6-MT-P/P HV	1028591	114
PT 6-PE	3211822	111
PT 6-QUATTRO	3212934	111
PT 6-QUATTRO BU	3212947	111
PT 6-QUATTRO-PE	3212950	111
PT 6-QUATTRO/2P	3061826	347
PT 6-QUATTRO/2P BU	3061839	347
PT 6-QUATTRO/2P-PE	3061842	347
PT 6-T P/P HV	1028589	114
PT 6-TG	3212163	113
PT 6-TWIN	3211929	111
PT 6-TWIN BU	3211485	111
PT 6-TWIN-PE	3211498	111
PT 6/1P	3061758	347
PT 6/1P BU	3061761	347
PT 6/1P-PE	3061774	347
PTB 2,5-PE/L/L	3210547	96
PTB 2,5-PE/L/MT	3210549	95
PTB 2,5-PE/L/NTG	3210545	95
PTB 2,5-PE/L/TG	3210539	95
PTC 2,5-MT	3270079	78
PTC 2,5-MTD	3270106	74
PTC 2,5-MTD BU	3270109	74
PTC 2,5-QUATTRO-MT	3270085	80
PTC 2,5-QUATTRO-TG	3270094	76
PTC 2,5-TG	3270088	74
PTC 2,5-TWIN-MT	3270082	78
PTC 2,5-TWIN-MTD	3270110	75
PTC 2,5-TWIN-MTD BU	3270111	75
PTC 2,5-TWIN-TG	3270091	75
PTC 4-HESI (5X20)	3270200	101
PTC 4-HESILA 250 (5X20)	3270197	101
PTC 4-HESILED 24 (5X20)	3270203	101
PTC 4-HESILED 60 (5X20)	3270205	101
PTFIX 1,5-F	1049503	428
PTFIX 1,5-NS15A	1049500	428
PTFIX 1,5-NS15A-FIX	1049501	428
PTFIX 1,5-NS35	1049497	428
PTFIX 1,5-NS35AD	1049498	428
PTFIX 1,5-NS35AD-FIX	1049499	428
PTFIX 1,5-RZF	1050613	428
PTFIX 10/12X4 BK	3273892	451
PTFIX 10/12X4 BN	3273888	451
PTFIX 10/12X4 BU	3273880	451
PTFIX 10/12X4 GN	3273886	451
PTFIX 10/12X4 GY	3273878	451
PTFIX 10/12X4 OG	3273896	451
PTFIX 10/12X4 PK	3273895	451
PTFIX 10/12X4 RD	3273882	451
PTFIX 10/12X4 VT	3273894	451
PTFIX 10/12X4 WH	3273890	451
PTFIX 10/12X4 YE	3273884	451
PTFIX 10/12X4-FE	3273898	451
PTFIX 10/12X4-FE-G	3274030	452
PTFIX 10/12X4-G BK	3274024	452
PTFIX 10/12X4-G BN	3274020	452
PTFIX 10/12X4-G BU	3274012	452
PTFIX 10/12X4-G GN	3274018	452
PTFIX 10/12X4-G GY	3274010	452
PTFIX 10/12X4-G OG	3274028	452
PTFIX 10/12X4-G PK	3274027	452
PTFIX 10/12X4-G RD	3274014	452
PTFIX 10/12X4-G VT	3274026	452
PTFIX 10/12X4-G WH	3274022	452
PTFIX 10/12X4-G YE	3274016	452
PTFIX 10/12X4-NS35 BK	3273628	453
PTFIX 10/12X4-NS35 BN	3273624	453
PTFIX 10/12X4-NS35 BU	3273616	453
PTFIX 10/12X4-NS35 GN	3273622	453
PTFIX 10/12X4-NS35 GY	3273614	453
PTFIX 10/12X4-NS35 OG	3273632	453
PTFIX 10/12X4-NS35 PK	3273631	453
PTFIX 10/12X4-NS35 RD	3273618	453
PTFIX 10/12X4-NS35 VT	3273630	453
PTFIX 10/12X4-NS35 WH	3273626	453
PTFIX 10/12X4-NS35 YE	3273620	453
PTFIX 10/12X4-NS35-FE	3273634	453
PTFIX 10/12X4-NS35A BK	3273760	453
PTFIX 10/12X4-NS35A BN	3273756	453
PTFIX 10/12X4-NS35A BU	3273748	453
PTFIX 10/12X4-NS35A GN	3273754	453
PTFIX 10/12X4-NS35A GY	3273746	453
PTFIX 10/12X4-NS35A OG	3273764	453
PTFIX 10/12X4-NS35A PK	3273763	453
PTFIX 10/12X4-NS35A RD	3273750	453
PTFIX 10/12X4-NS35A VT	3273762	453
PTFIX 10/12X4-NS35A WH	3273758	453
PTFIX 10/12X4-NS35A YE	3273752	453
PTFIX 10/12X4-NS35A-FE	3273766	453
PTFIX 10/18X4 BK	3273914	451
PTFIX 10/18X4 BN	3273910	451
PTFIX 10/18X4 BU	3273902	451
PTFIX 10/18X4 GN	3273908	451
PTFIX 10/18X4 GY	3273900	451
PTFIX 10/18X4 OG	3273918	451
PTFIX 10/18X4 PK	3273917	451
PTFIX 10/18X4 RD	3273904	451
PTFIX 10/18X4 VT	3273916	451
PTFIX 10/18X4 WH	3273912	451
PTFIX 10/18X4 YE	3273906	451
PTFIX 10/18X4-FE	3273920	451
PTFIX 10/18X4-FE-G	3274052	452
PTFIX 10/18X4-G BK	3274046	452
PTFIX 10/18X4-G BN	3274042	452
PTFIX 10/18X4-G BU	3274034	452
PTFIX 10/18X4-G GN	3274040	452
PTFIX 10/18X4-G GY	3274032	452
PTFIX 10/18X4-G OG	3274050	452
PTFIX 10/18X4-G PK	3274049	452
PTFIX 10/18X4-G RD	3274036	452
PTFIX 10/18X4-G VT	3274048	452
PTFIX 10/18X4-G WH	3274044	452
PTFIX 10/18X4-G YE	3274038	452
PTFIX 10/18X4-NS35 BK	3273650	453
PTFIX 10/18X4-NS35 BN	3273646	453
PTFIX 10/18X4-NS35 BU	3273638	453
PTFIX 10/18X4-NS35 GN	3273644	453
PTFIX 10/18X4-NS35 GY	3273636	453
PTFIX 10/18X4-NS35 OG	3273654	453
PTFIX 10/18X4-NS35 PK	3273653	453
PTFIX 10/18X4-NS35 RD	3273640	453
PTFIX 10/18X4-NS35 VT	3273652	453
PTFIX 10/18X4-NS35 WH	3273648	453
PTFIX 10/18X4-NS35 YE	3273642	453
PTFIX 10/18X4-NS35-FE	3273656	453
PTFIX 10/18X4-NS35A BK	3273782	453
PTFIX 10/18X4-NS35A BN	3273778	453
PTFIX 10/18X4-NS35A BU	3273770	453
PTFIX 10/18X4-NS35A GN	3273776	453
PTFIX 10/18X4-NS35A GY	3273768	453
PTFIX 10/18X4-NS35A OG	3273786	453
PTFIX 10/18X4-NS35A PK	3273785	453
PTFIX 10/18X4-NS35A RD	3273772	453
PTFIX 10/18X4-NS35A VT	3273784	453
PTFIX 10/18X4-NS35A WH	3273780	453
PTFIX 10/18X4-NS35A YE	3273774	453
PTFIX 10/18X4-NS35A-FE	3273788	453
PTFIX 10/6X4 BK	3273870	451
PTFIX 10/6X4 BN	3273866	451
PTFIX 10/6X4 BU	3273858	451
PTFIX 10/6X4 GN	3273864	451
PTFIX 10/6X4 GY	3273856	451
PTFIX 10/6X4 OG	3273874	451
PTFIX 10/6X4 PK	3273873	451
PTFIX 10/6X4 RD	3273860	451
PTFIX 10/6X4 VT	3273872	451
PTFIX 10/6X4 WH	3273868	451
PTFIX 10/6X4 YE	3273862	451
PTFIX 10/6X4-FE	3273876	451
PTFIX 10/6X4-FE-G	3274008	452
PTFIX 10/6X4-G BK	3274002	452
PTFIX 10/6X4-G BN	3273998	452
PTFIX 10/6X4-G BU	3273990	452
PTFIX 10/6X4-G GN	3273996	452
PTFIX 10/6X4-G GY	3273988	452
PTFIX 10/6X4-G OG	3274006	452
PTFIX 10/6X4-G PK	3274005	452
PTFIX 10/6X4-G RD	3273992	452
PTFIX 10/6X4-G VT	3274004	452
PTFIX 10/6X4-G WH	3274000	452
PTFIX 10/6X4-G YE	3273994	452
PTFIX 10/6X4-NS35 BK	3273606	453
PTFIX 10/6X4-NS35 BN	3273602	453
PTFIX 10/6X4-NS35 BU	3273594	453
PTFIX 10/6X4-NS35 GN	3273600	453
PTFIX 10/6X4-NS35 GY	3273592	453
PTFIX 10/6X4-NS35 OG	3273610	453
PTFIX 10/6X4-NS35 PK	3273609	453
PTFIX 10/6X4-NS35 RD	3273596	453
PTFIX 10/6X4-NS35 VT	3273608	453
PTFIX 10/6X4-NS35 WH	3273604	453
PTFIX 10/6X4-NS35 YE	3273598	453
PTFIX 10/6X4-NS35-FE	3273612	453
PTFIX 10/6X4-NS35A BK	3273738	453
PTFIX 10/6X4-NS35A BN	3273734	453
PTFIX 10/6X4-NS35A BU	3273726	453
PTFIX 10/6X4-NS35A GN	3273732	453
PTFIX 10/6X4-NS35A GY	3273724	453
PTFIX 10/6X4-NS35A OG	3273742	453
PTFIX 10/6X4-NS35A PK	3273741	453
PTFIX 10/6X4-NS35A RD	3273728	453
PTFIX 10/6X4-NS35A VT	3273740	453
PTFIX 10/6X4-NS35A WH	3273736	453
PTFIX 10/6X4-NS35A YE	3273730	453
PTFIX 10/6X4-NS35A-FE	3273744	453
PTFIX 12X1,5 BK	3002782	429
PTFIX 12X1,5 BN	3002776	429
PTFIX 12X1,5 BU	3002763	429
PTFIX 12X1,5 GN	3002772	429
PTFIX 12X1,5 GY	3002758	429
PTFIX 12X1,5 OG	3002793	430
PTFIX 12X1,5 PK	3002789	429
PTFIX 12X1,5 RD	3002766	429
PTFIX 12X1,5 VT	3002785	429
PTFIX 12X1,5 WH	3002779	429
PTFIX 12X1,5 YE	3002769	429
PTFIX 12X1,5-FE	3002796	430
PTFIX 12X1,5-G BK	3002894	432
PTFIX 12X1,5-G BN	3002888	432
PTFIX 12X1,5-G BU	3002865	432
PTFIX 12X1,5-G GN	3002884	432
PTFIX 12X1,5-G GY	3002799	432
PTFIX 12X1,5-G OG	3002904	432
PTFIX 12X1,5-G PK	3002901	432
PTFIX 12X1,5-G RD	3002878	432
PTFIX 12X1,5-G VT	3002897	432
PTFIX 12X1,5-G WH	3002891	432
PTFIX 12X1,5-G YE	3002881	432
PTFIX 12X1,5-G-FE	3002907	432
PTFIX 12X1,5-NS15A BK	3002968	433
PTFIX 12X1,5-NS15A BN	3002971	433
PTFIX 12X1,5-NS15A BU	3002922	433
PTFIX 12X1,5-NS15A GN	3002964	433
PTFIX 12X1,5-NS15A GY	3002914	433
PTFIX 12X1,5-NS15A OG	3002949	433
PTFIX 12X1,5-NS15A PK	3002977	433
PTFIX 12X1,5-NS15A RD	3002931	433
PTFIX 12X1,5-NS15A VT	3002974	433
PTFIX 12X1,5-NS15A WH	3002941	433
PTFIX 12X1,5-NS15A YE	3002958	433
PTFIX 12X1,5-NS15A-FE	3002981	433
PTFIX 12X2,5 BK	3273300	439
PTFIX 12X2,5 BN	3273296	439
PTFIX 12X2,5 BU	3273288	439
PTFIX 12X2,5 GN	3273294	439
PTFIX 12X2,5 GY	3273286	439
PTFIX 12X2,5 OG	3273304	439
PTFIX 12X2,5 PK	3273303	439
PTFIX 12X2,5 RD	3273290	439
PTFIX 12X2,5 VT	3273302	439
PTFIX 12X2,5 WH	3273298	439
PTFIX 12X2,5 YE	3273292	439
PTFIX 12X2,5-FE	3273306	439
PTFIX 12X2,5-FE-G	3273436	440
PTFIX 12X2,5-G BK	3273430	440
PTFIX 12X2,5-G BN	3273426	440
PTFIX 12X2,5-G BU	3273418	440
PTFIX 12X2,5-G GN	3273424	440
PTFIX 12X2,5-G GY	3273416	440
PTFIX 12X2,5-G OG	3273434	440
PTFIX 12X2,5-G PK	3273433	440
PTFIX 12X2,5-G RD	3273420	440
PTFIX 12X2,5-G VT	3273432	440
PTFIX 12X2,5-G WH	3273428	440
PTFIX 12X2,5-G YE	3273422	440
PTFIX 12X2,5-NS15A BK	3274136	441
PTFIX 12X2,5-NS15A BN	3274132	441
PTFIX 12X2,5-NS15A BU	3274124	441
PTFIX 12X2,5-NS15A GN	3274130	441
PTFIX 12X2,5-NS15A GY	3274122	441
PTFIX 12X2,5-NS15A OG	3274140	441
PTFIX 12X2,5-NS15A PK	3274139	441
PTFIX 12X2,5-NS15A RD	3274126	441
PTFIX 12X2,5-NS15A VT	3274138	441
PTFIX 12X2,5-NS15A WH	3274134	441
PTFIX 12X2,5-NS15A YE	3274128	441
PTFIX 12X2,5-NS15A-FE	3274142	441
PTFIX 12X2,5-NS35 BK	3273036	441
PTFIX 12X2,5-NS35 BN	3273032	441
PTFIX 12X2,5-NS35 BU	3273024	441
PTFIX 12X2,5-NS35 GN	3273030	441
PTFIX 12X2,5-NS35 GY	3273022	441
PTFIX 12X2,5-NS35 OG	3273040	441
PTFIX 12X2,5-NS35 PK	3273039	441
PTFIX 12X2,5-NS35 RD	3273026	441
PTFIX 12X2,5-NS35 VT	3273038	441
PTFIX 12X2,5-NS35 WH	3273034	441
PTFIX 12X2,5-NS35 YE	3273028	441
PTFIX 12X2,5-NS35-FE	3273042	441
PTFIX 12X2,5-NS35A BK	3273168	441
PTFIX 12X2,5-NS35A BN	3273164	441
PTFIX 12X2,5-NS35A BU	3273156	441
PTFIX 12X2,5-NS35A GN	3273162	441
PTFIX 12X2,5-NS35A GY	3273154	441
PTFIX 12X2,5-NS35A OG	3273172	441
PTFIX 12X2,5-NS35A PK	3273171	441
PTFIX 12X2,5-NS35A RD	3273158	441
PTFIX 12X2,5-NS35A VT	3273170	441
PTFIX 12X2,5-NS35A WH	3273166	441
PTFIX 12X2,5-NS35A YE	3273160	441
PTFIX 12X2,5-NS35A-FE	3273174	441
PTFIX 12X4 BK	3273826	447
PTFIX 12X4 BN	3273822	447
PTFIX 12X4 BU	3273814	447
PTFIX 12X4 GN	3273820	447
PTFIX 12X4 GY	3273812	447
PTFIX 12X4 OG	3273830	447
PTFIX 12X4 PK	3273829	447
PTFIX 12X4 RD	3273816	447
PTFIX 12X4 VT	3273828	447
PTFIX 12X4 WH	3273824	447
PTFIX 12X4 YE	3273818	447
PTFIX 12X4-FE	3273832	447
PTFIX 12X4-FE-G	3273964	448
PTFIX 12X4-G BK	3273958	448
PTFIX 12X4-G BN	3273954	448
PTFIX 12X4-G BU	3273946	448
PTFIX 12X4-G GN	3273952	448
PTFIX 12X4-G GY	3273944	448
PTFIX 12X4-G OG	3273962	448
PTFIX 12X4-G PK	3273961	448
PTFIX 12X4-G RD	3273948	448
PTFIX 12X4-G VT	3273960	448
PTFIX 12X4-G WH	3273956	448
PTFIX 12X4-G YE	3273950	448
PTFIX 12X4-NS35 BK	3273562	449
PTFIX 12X4-NS35 BN	3273558	449
PTFIX 12X4-NS35 BU	3273550	449
PTFIX 12X4-NS35 GN	3273556	449
PTFIX 12X4-NS35 GY	3273548	449
PTFIX 12X4-NS35 OG	3273566	449
PTFIX 12X4-NS35 PK	3273565	449
PTFIX 12X4-NS35 RD	3273552	449
PTFIX 12X4-NS35 VT	3273564	449
PTFIX 12X4-NS35 WH	3273560	449
PTFIX 12X4-NS35 YE	3273554	449
PTFIX 12X4-NS35-FE	3273568	449

Type	Order No.	Page
PTFIX 12X4-NS35A BK	3273694	449
PTFIX 12X4-NS35A BN	3273690	449
PTFIX 12X4-NS35A BU	3273682	449
PTFIX 12X4-NS35A GN	3273688	449
PTFIX 12X4-NS35A GY	3273680	449
PTFIX 12X4-NS35A OG	3273698	449
PTFIX 12X4-NS35A PK	3273697	449
PTFIX 12X4-NS35A RD	3273684	449
PTFIX 12X4-NS35A VT	3273696	449
PTFIX 12X4-NS35A WH	3273692	449
PTFIX 12X4-NS35A YE	3273686	449
PTFIX 12X4-NS35A-FE	3273700	449
PTFIX 18X1,5 BK	3002783	429
PTFIX 18X1,5 BN	3002777	429
PTFIX 18X1,5 BU	3002764	429
PTFIX 18X1,5 GN	3002773	429
PTFIX 18X1,5 GY	3002760	429
PTFIX 18X1,5 OG	3002794	430
PTFIX 18X1,5 PK	3002790	429
PTFIX 18X1,5 RD	3002767	429
PTFIX 18X1,5 VT	3002786	429
PTFIX 18X1,5 WH	3002780	429
PTFIX 18X1,5 YE	3002770	429
PTFIX 18X1,5-FE	3002797	430
PTFIX 18X1,5-G BK	3002895	432
PTFIX 18X1,5-G BN	3002889	432
PTFIX 18X1,5-G BU	3002876	432
PTFIX 18X1,5-G GN	3002886	432
PTFIX 18X1,5-G GY	3002804	432
PTFIX 18X1,5-G OG	3002905	432
PTFIX 18X1,5-G PK	3002902	432
PTFIX 18X1,5-G RD	3002879	432
PTFIX 18X1,5-G VT	3002899	432
PTFIX 18X1,5-G WH	3002892	432
PTFIX 18X1,5-G YE	3002882	432
PTFIX 18X1,5-G-FE	3002909	432
PTFIX 18X1,5-NS15A BK	3002969	433
PTFIX 18X1,5-NS15A BN	3002972	433
PTFIX 18X1,5-NS15A BU	3002926	433
PTFIX 18X1,5-NS15A GN	3002965	433
PTFIX 18X1,5-NS15A GY	3002917	433
PTFIX 18X1,5-NS15A OG	3002952	433
PTFIX 18X1,5-NS15A PK	3002978	433
PTFIX 18X1,5-NS15A RD	3002934	433
PTFIX 18X1,5-NS15A VT	3002975	433
PTFIX 18X1,5-NS15A WH	3002944	433
PTFIX 18X1,5-NS15A YE	3002961	433
PTFIX 18X1,5-NS15A-FE	3002983	433
PTFIX 18X1,5-NS35 BK	1046955	433
PTFIX 18X1,5-NS35 BN	1046952	433
PTFIX 18X1,5-NS35 BU	1046950	433
PTFIX 18X1,5-NS35 GN	1046953	433
PTFIX 18X1,5-NS35 GY	1046949	433
PTFIX 18X1,5-NS35 OG	1046958	433
PTFIX 18X1,5-NS35 PK	1046959	433
PTFIX 18X1,5-NS35 RD	1046951	433
PTFIX 18X1,5-NS35 VT	1046957	433
PTFIX 18X1,5-NS35 WH	1046956	433
PTFIX 18X1,5-NS35 YE	1046954	433
PTFIX 18X1,5-NS35-FE	1046960	433
PTFIX 18X2,5 BK	3273322	439
PTFIX 18X2,5 BN	3273318	439
PTFIX 18X2,5 BU	3273310	439
PTFIX 18X2,5 GN	3273316	439
PTFIX 18X2,5 GY	3273308	439
PTFIX 18X2,5 OG	3273326	439
PTFIX 18X2,5 PK	3273325	439
PTFIX 18X2,5 RD	3273312	439
PTFIX 18X2,5 VT	3273324	439
PTFIX 18X2,5 WH	3273320	439
PTFIX 18X2,5 YE	3273314	439
PTFIX 18X2,5-FE	3273328	439
PTFIX 18X2,5-FE-G	3273458	440
PTFIX 18X2,5-G BK	3273452	440
PTFIX 18X2,5-G BN	3273448	440
PTFIX 18X2,5-G BU	3273440	440
PTFIX 18X2,5-G GN	3273446	440
PTFIX 18X2,5-G GY	3273438	440
PTFIX 18X2,5-G OG	3273456	440
PTFIX 18X2,5-G PK	3273455	440
PTFIX 18X2,5-G RD	3273442	440
PTFIX 18X2,5-G VT	3273454	440
PTFIX 18X2,5-G WH	3273450	440
PTFIX 18X2,5-G YE	3273444	440
PTFIX 18X2,5-NS15A BK	3274158	441
PTFIX 18X2,5-NS15A BN	3274154	441
PTFIX 18X2,5-NS15A BU	3274146	441
PTFIX 18X2,5-NS15A GN	3274152	441
PTFIX 18X2,5-NS15A GY	3274144	441
PTFIX 18X2,5-NS15A OG	3274162	441
PTFIX 18X2,5-NS15A PK	3274161	441
PTFIX 18X2,5-NS15A RD	3274148	441
PTFIX 18X2,5-NS15A VT	3274160	441
PTFIX 18X2,5-NS15A WH	3274156	441
PTFIX 18X2,5-NS15A YE	3274150	441
PTFIX 18X2,5-NS15A-FE	3274164	441
PTFIX 18X2,5-NS35 BK	3273058	441
PTFIX 18X2,5-NS35 BN	3273054	441
PTFIX 18X2,5-NS35 BU	3273046	441
PTFIX 18X2,5-NS35 GN	3273052	441
PTFIX 18X2,5-NS35 GY	3273044	441
PTFIX 18X2,5-NS35 OG	3273062	441
PTFIX 18X2,5-NS35 PK	3273061	441
PTFIX 18X2,5-NS35 RD	3273048	441
PTFIX 18X2,5-NS35 VT	3273060	441
PTFIX 18X2,5-NS35 WH	3273056	441
PTFIX 18X2,5-NS35 YE	3273050	441
PTFIX 18X2,5-NS35-FE	3273064	441
PTFIX 18X2,5-NS35A BK	3273190	441
PTFIX 18X2,5-NS35A BN	3273186	441
PTFIX 18X2,5-NS35A BU	3273178	441
PTFIX 18X2,5-NS35A GN	3273184	441
PTFIX 18X2,5-NS35A GY	3273176	441
PTFIX 18X2,5-NS35A OG	3273194	441
PTFIX 18X2,5-NS35A PK	3273193	441
PTFIX 18X2,5-NS35A RD	3273180	441
PTFIX 18X2,5-NS35A VT	3273192	441
PTFIX 18X2,5-NS35A WH	3273188	441
PTFIX 18X2,5-NS35A YE	3273182	441
PTFIX 18X2,5-NS35A-FE	3273196	441
PTFIX 18X4 BK	3273848	447
PTFIX 18X4 BN	3273844	447
PTFIX 18X4 BU	3273836	447
PTFIX 18X4 GN	3273842	447
PTFIX 18X4 GY	3273834	447
PTFIX 18X4 OG	3273852	447
PTFIX 18X4 PK	3273851	447
PTFIX 18X4 RD	3273838	447
PTFIX 18X4 VT	3273850	447
PTFIX 18X4 WH	3273846	447
PTFIX 18X4 YE	3273840	447
PTFIX 18X4-FE	3273854	447
PTFIX 18X4-FE-G	3273986	448
PTFIX 18X4-G BK	3273980	448
PTFIX 18X4-G BN	3273976	448
PTFIX 18X4-G BU	3273968	448
PTFIX 18X4-G GN	3273974	448
PTFIX 18X4-G GY	3273966	448
PTFIX 18X4-G OG	3273984	448
PTFIX 18X4-G PK	3273983	448
PTFIX 18X4-G RD	3273970	448
PTFIX 18X4-G VT	3273982	448
PTFIX 18X4-G WH	3273978	448
PTFIX 18X4-G YE	3273972	448
PTFIX 18X4-NS35 BK	3273584	449
PTFIX 18X4-NS35 BN	3273580	449
PTFIX 18X4-NS35 BU	3273572	449
PTFIX 18X4-NS35 GN	3273578	449
PTFIX 18X4-NS35 GY	3273570	449
PTFIX 18X4-NS35 OG	3273588	449
PTFIX 18X4-NS35 PK	3273587	449
PTFIX 18X4-NS35 RD	3273574	449
PTFIX 18X4-NS35 VT	3273586	449
PTFIX 18X4-NS35 WH	3273582	449
PTFIX 18X4-NS35 YE	3273576	449
PTFIX 18X4-NS35-FE	3273590	449
PTFIX 18X4-NS35A BK	3273716	449
PTFIX 18X4-NS35A BN	3273712	449
PTFIX 18X4-NS35A BU	3273704	449
PTFIX 18X4-NS35A GN	3273710	449
PTFIX 18X4-NS35A GY	3273702	449
PTFIX 18X4-NS35A OG	3273720	449
PTFIX 18X4-NS35A PK	3273719	449
PTFIX 18X4-NS35A RD	3273706	449
PTFIX 18X4-NS35A VT	3273718	449
PTFIX 18X4-NS35A WH	3273714	449
PTFIX 18X4-NS35A YE	3273708	449
PTFIX 18X4-NS35A-FE	3273722	449
PTFIX 2X1,5 BK	1045937	429
PTFIX 2X1,5 BN	1045935	429
PTFIX 2X1,5 BU	1045925	429
PTFIX 2X1,5 GN	1045932	429
PTFIX 2X1,5 GY	1045923	429
PTFIX 2X1,5 OG	1045939	430
PTFIX 2X1,5 PK	1045941	429
PTFIX 2X1,5 RD	1045929	429
PTFIX 2X1,5 VT	1045940	429
PTFIX 2X1,5 WH	1045936	429
PTFIX 2X1,5 YE	1045931	429
PTFIX 2X1,5-FE	1045933	430
PTFIX 2X2,5 BK	1028074	439
PTFIX 2X2,5 BN	1028072	439
PTFIX 2X2,5 BU	1028068	439
PTFIX 2X2,5 GN	1028071	439
PTFIX 2X2,5 GY	1028067	439
PTFIX 2X2,5 OG	1028077	439
PTFIX 2X2,5 PK	1028076	439
PTFIX 2X2,5 RD	1028069	439
PTFIX 2X2,5 VT	1028075	439
PTFIX 2X2,5 WH	1028073	439
PTFIX 2X2,5 YE	1028070	439
PTFIX 2X2,5-FE	1028078	439
PTFIX 2X4 BK	1028367	447
PTFIX 2X4 BN	1028365	447
PTFIX 2X4 BU	1028361	447
PTFIX 2X4 GN	1028364	447
PTFIX 2X4 GY	1028360	447
PTFIX 2X4 OG	1028370	447
PTFIX 2X4 PK	1028369	447
PTFIX 2X4 RD	1028362	447
PTFIX 2X4 VT	1028368	447
PTFIX 2X4 WH	1028366	447
PTFIX 2X4 YE	1028363	447
PTFIX 2X4-FE	1028371	447
PTFIX 4/12X1,5 BK	1046967	435
PTFIX 4/12X1,5 BN	1046964	435
PTFIX 4/12X1,5 BU	1046962	435
PTFIX 4/12X1,5 GN	1046965	435
PTFIX 4/12X1,5 GY	1046961	435
PTFIX 4/12X1,5 OG	1046969	435
PTFIX 4/12X1,5 PK	1046970	435
PTFIX 4/12X1,5 RD	1046963	435
PTFIX 4/12X1,5 VT	1046968	435
PTFIX 4/12X1,5 WH	1046972	435
PTFIX 4/12X1,5 YE	1046966	435
PTFIX 4/12X1,5-FE	1046971	435
PTFIX 4/12X1,5-G BK	1046979	436
PTFIX 4/12X1,5-G BN	1046976	436
PTFIX 4/12X1,5-G BU	1046974	436
PTFIX 4/12X1,5-G GN	1046977	436
PTFIX 4/12X1,5-G GY	1046973	436
PTFIX 4/12X1,5-G OG	1046982	436
PTFIX 4/12X1,5-G PK	1046983	436
PTFIX 4/12X1,5-G RD	1046975	436
PTFIX 4/12X1,5-G VT	1046981	436
PTFIX 4/12X1,5-G WH	1046980	436
PTFIX 4/12X1,5-G YE	1046978	436
PTFIX 4/12X1,5-G-FE	1046984	436
PTFIX 4/12X1,5-NS15A BK	1046991	437
PTFIX 4/12X1,5-NS15A BN	1046988	437
PTFIX 4/12X1,5-NS15A BU	1046986	437
PTFIX 4/12X1,5-NS15A GN	1046989	437
PTFIX 4/12X1,5-NS15A GY	1046985	437
PTFIX 4/12X1,5-NS15A OG	1046994	437
PTFIX 4/12X1,5-NS15A PK	1046995	437
PTFIX 4/12X1,5-NS15A RD	1046987	437
PTFIX 4/12X1,5-NS15A VT	1046993	437
PTFIX 4/12X1,5-NS15A WH	1046992	437
PTFIX 4/12X1,5-NS15A YE	1046990	437
PTFIX 4/12X1,5-NS15A-FE	1046996	437
PTFIX 4/18X1,5 BK	1047424	435
PTFIX 4/18X1,5 BN	1047421	435
PTFIX 4/18X1,5 BU	1047419	435
PTFIX 4/18X1,5 GN	1047422	435
PTFIX 4/18X1,5 GY	1047418	435
PTFIX 4/18X1,5 OG	1047427	435
PTFIX 4/18X1,5 PK	1047428	435
PTFIX 4/18X1,5 RD	1047420	435
PTFIX 4/18X1,5 VT	1047426	435
PTFIX 4/18X1,5 WH	1047425	435
PTFIX 4/18X1,5 YE	1047423	435
PTFIX 4/18X1,5-FE	1047429	435
PTFIX 4/18X1,5-G BK	1047436	436
PTFIX 4/18X1,5-G BN	1047433	436
PTFIX 4/18X1,5-G BU	1047431	436
PTFIX 4/18X1,5-G GN	1047434	436
PTFIX 4/18X1,5-G GY	1047430	436
PTFIX 4/18X1,5-G OG	1047439	436
PTFIX 4/18X1,5-G PK	1047440	436
PTFIX 4/18X1,5-G RD	1047432	436
PTFIX 4/18X1,5-G VT	1047438	436
PTFIX 4/18X1,5-G WH	1047437	436
PTFIX 4/18X1,5-G YE	1047435	436
PTFIX 4/18X1,5-G-FE	1047441	436
PTFIX 4/18X1,5-NS15A BK	1047448	437
PTFIX 4/18X1,5-NS15A BN	1047445	437
PTFIX 4/18X1,5-NS15A BU	1047443	437
PTFIX 4/18X1,5-NS15A GN	1047446	437
PTFIX 4/18X1,5-NS15A GY	1047442	437
PTFIX 4/18X1,5-NS15A OG	1047451	437
PTFIX 4/18X1,5-NS15A PK	1047452	437
PTFIX 4/18X1,5-NS15A RD	1047444	437
PTFIX 4/18X1,5-NS15A VT	1047450	437
PTFIX 4/18X1,5-NS15A WH	1047449	437
PTFIX 4/18X1,5-NS15A YE	1047447	437
PTFIX 4/18X1,5-NS15A-FE	1047453	437
PTFIX 4/18X1,5-NS35 BK	1047460	437
PTFIX 4/18X1,5-NS35 BN	1047457	437
PTFIX 4/18X1,5-NS35 BU	1047455	437
PTFIX 4/18X1,5-NS35 GN	1047458	437
PTFIX 4/18X1,5-NS35 GY	1047454	437
PTFIX 4/18X1,5-NS35 OG	1047463	437
PTFIX 4/18X1,5-NS35 PK	1047464	437
PTFIX 4/18X1,5-NS35 RD	1047456	437
PTFIX 4/18X1,5-NS35 VT	1047462	437
PTFIX 4/18X1,5-NS35 WH	1047461	437
PTFIX 4/18X1,5-NS35 YE	1047459	437
PTFIX 4/18X1,5-NS35-FE	1047465	437
PTFIX 4/6X1,5 BK	1047472	435
PTFIX 4/6X1,5 BN	1047469	435
PTFIX 4/6X1,5 BU	1047467	435
PTFIX 4/6X1,5 GN	1047470	435
PTFIX 4/6X1,5 GY	1047466	435
PTFIX 4/6X1,5 OG	1047475	435
PTFIX 4/6X1,5 PK	1047476	435
PTFIX 4/6X1,5 RD	1047468	435
PTFIX 4/6X1,5 VT	1047474	435
PTFIX 4/6X1,5 WH	1047473	435
PTFIX 4/6X1,5 YE	1047471	435
PTFIX 4/6X1,5-FE	1047477	435
PTFIX 4/6X1,5-G BK	1047484	436
PTFIX 4/6X1,5-G BN	1047481	436
PTFIX 4/6X1,5-G BU	1047479	436
PTFIX 4/6X1,5-G GN	1047482	436
PTFIX 4/6X1,5-G GY	1047478	436
PTFIX 4/6X1,5-G OG	1047487	436
PTFIX 4/6X1,5-G PK	1047488	436
PTFIX 4/6X1,5-G RD	1047480	436
PTFIX 4/6X1,5-G VT	1047486	436
PTFIX 4/6X1,5-G WH	1047485	436
PTFIX 4/6X1,5-G YE	1047483	436
PTFIX 4/6X1,5-G-FE	1047489	436
PTFIX 4/6X1,5-NS15A BK	1047496	437
PTFIX 4/6X1,5-NS15A BN	1047493	437
PTFIX 4/6X1,5-NS15A BU	1047491	437
PTFIX 4/6X1,5-NS15A GN	1047494	437
PTFIX 4/6X1,5-NS15A GY	1047490	437
PTFIX 4/6X1,5-NS15A OG	1047499	437
PTFIX 4/6X1,5-NS15A PK	1047500	437
PTFIX 4/6X1,5-NS15A RD	1047492	437

Type	Order No.	Page
PTFIX 4/6X1,5-NS15A VT	1047498	437
PTFIX 4/6X1,5-NS15A WH	1047497	437
PTFIX 4/6X1,5-NS15A YE	1047495	437
PTFIX 4/6X1,5-NS15A-FE	1047501	437
PTFIX 4X1,5 BK	1046616	429
PTFIX 4X1,5 BN	1046614	429
PTFIX 4X1,5 BU	1046610	429
PTFIX 4X1,5 GN	1046613	429
PTFIX 4X1,5 GY	1046608	429
PTFIX 4X1,5 OG	1046619	430
PTFIX 4X1,5 PK	1046618	429
PTFIX 4X1,5 RD	1046611	429
PTFIX 4X1,5 VT	1046617	429
PTFIX 4X1,5 WH	1046615	429
PTFIX 4X1,5 YE	1046612	429
PTFIX 4X1,5-FE	1046620	430
PTFIX 6/12X2,5 BK	3273366	443
PTFIX 6/12X2,5 BN	3273362	443
PTFIX 6/12X2,5 BU	3273354	443
PTFIX 6/12X2,5 BUWH	1091672	443
PTFIX 6/12X2,5 GN	3273360	443
PTFIX 6/12X2,5 GY	3273352	443
PTFIX 6/12X2,5 OG	3273370	443
PTFIX 6/12X2,5 PK	3273369	443
PTFIX 6/12X2,5 RD	3273356	443
PTFIX 6/12X2,5 VT	3273368	443
PTFIX 6/12X2,5 WH	3273364	443
PTFIX 6/12X2,5 YE	3273358	443
PTFIX 6/12X2,5-FE	3273372	443
PTFIX 6/12X2,5-FE-G	3273502	444
PTFIX 6/12X2,5-G BK	3273496	444
PTFIX 6/12X2,5-G BN	3273492	444
PTFIX 6/12X2,5-G BU	3273484	444
PTFIX 6/12X2,5-G GN	3273490	444
PTFIX 6/12X2,5-G GY	3273482	444
PTFIX 6/12X2,5-G OG	3273500	444
PTFIX 6/12X2,5-G PK	3273499	444
PTFIX 6/12X2,5-G RD	3273486	444
PTFIX 6/12X2,5-G VT	3273498	444
PTFIX 6/12X2,5-G WH	3273494	444
PTFIX 6/12X2,5-G YE	3273488	444
PTFIX 6/12X2,5-NS15A BK	3274202	445
PTFIX 6/12X2,5-NS15A BN	3274198	445
PTFIX 6/12X2,5-NS15A BU	3274190	445
PTFIX 6/12X2,5-NS15A GN	3274196	445
PTFIX 6/12X2,5-NS15A GY	3274188	445
PTFIX 6/12X2,5-NS15A OG	3274206	445
PTFIX 6/12X2,5-NS15A PK	3274205	445
PTFIX 6/12X2,5-NS15A RD	3274192	445
PTFIX 6/12X2,5-NS15A VT	3274204	445
PTFIX 6/12X2,5-NS15A WH	3274200	445
PTFIX 6/12X2,5-NS15A YE	3274194	445
PTFIX 6/12X2,5-NS15A-FE	3274208	445
PTFIX 6/12X2,5-NS35 BK	3273102	445
PTFIX 6/12X2,5-NS35 BN	3273098	445
PTFIX 6/12X2,5-NS35 BU	3273090	445
PTFIX 6/12X2,5-NS35 GN	3273096	445
PTFIX 6/12X2,5-NS35 GY	3273088	445
PTFIX 6/12X2,5-NS35 OG	3273106	445
PTFIX 6/12X2,5-NS35 PK	3273105	445
PTFIX 6/12X2,5-NS35 RD	3273092	445
PTFIX 6/12X2,5-NS35 VT	3273104	445
PTFIX 6/12X2,5-NS35 WH	3273100	445
PTFIX 6/12X2,5-NS35 YE	3273094	445
PTFIX 6/12X2,5-NS35-FE	3273108	445
PTFIX 6/12X2,5-NS35A BK	3273234	445
PTFIX 6/12X2,5-NS35A BN	3273230	445
PTFIX 6/12X2,5-NS35A BU	3273222	445
PTFIX 6/12X2,5-NS35A GN	3273228	445
PTFIX 6/12X2,5-NS35A GY	3273220	445
PTFIX 6/12X2,5-NS35A OG	3273238	445
PTFIX 6/12X2,5-NS35A PK	3273237	445
PTFIX 6/12X2,5-NS35A RD	3273224	445
PTFIX 6/12X2,5-NS35A VT	3273236	445
PTFIX 6/12X2,5-NS35A WH	3273232	445
PTFIX 6/12X2,5-NS35A YE	3273226	445
PTFIX 6/12X2,5-NS35A-FE	3273240	445
PTFIX 6/18X2,5 BK	3273388	443
PTFIX 6/18X2,5 BN	3273384	443
PTFIX 6/18X2,5 BU	3273376	443
PTFIX 6/18X2,5 BUWH	1091673	443
PTFIX 6/18X2,5 GN	3273382	443
PTFIX 6/18X2,5 GY	3273374	443
PTFIX 6/18X2,5 OG	3273392	443
PTFIX 6/18X2,5 PK	3273391	443
PTFIX 6/18X2,5 RD	3273378	443
PTFIX 6/18X2,5 VT	3273390	443
PTFIX 6/18X2,5 WH	3273386	443
PTFIX 6/18X2,5 YE	3273380	443
PTFIX 6/18X2,5-FE	3273394	443
PTFIX 6/18X2,5-FE-G	3273524	444
PTFIX 6/18X2,5-G BK	3273518	444
PTFIX 6/18X2,5-G BN	3273514	444
PTFIX 6/18X2,5-G BU	3273506	444
PTFIX 6/18X2,5-G GN	3273512	444
PTFIX 6/18X2,5-G GY	3273504	444
PTFIX 6/18X2,5-G OG	3273522	444
PTFIX 6/18X2,5-G PK	3273521	444
PTFIX 6/18X2,5-G RD	3273508	444
PTFIX 6/18X2,5-G VT	3273520	444
PTFIX 6/18X2,5-G WH	3273516	444
PTFIX 6/18X2,5-G YE	3273510	444
PTFIX 6/18X2,5-NS15A BK	3274224	445
PTFIX 6/18X2,5-NS15A BN	3274220	445
PTFIX 6/18X2,5-NS15A BU	3274212	445
PTFIX 6/18X2,5-NS15A GN	3274218	445
PTFIX 6/18X2,5-NS15A GY	3274210	445
PTFIX 6/18X2,5-NS15A OG	3274228	445
PTFIX 6/18X2,5-NS15A PK	3274227	445
PTFIX 6/18X2,5-NS15A RD	3274214	445
PTFIX 6/18X2,5-NS15A VT	3274226	445
PTFIX 6/18X2,5-NS15A WH	3274222	445
PTFIX 6/18X2,5-NS15A YE	3274216	445
PTFIX 6/18X2,5-NS15A-FE	3274230	445
PTFIX 6/18X2,5-NS35 BK	3273124	445
PTFIX 6/18X2,5-NS35 BN	3273120	445
PTFIX 6/18X2,5-NS35 BU	3273112	445
PTFIX 6/18X2,5-NS35 GN	3273118	445
PTFIX 6/18X2,5-NS35 GY	3273110	445
PTFIX 6/18X2,5-NS35 OG	3273128	445
PTFIX 6/18X2,5-NS35 PK	3273127	445
PTFIX 6/18X2,5-NS35 RD	3273114	445
PTFIX 6/18X2,5-NS35 VT	3273126	445
PTFIX 6/18X2,5-NS35 WH	3273122	445
PTFIX 6/18X2,5-NS35 YE	3273116	445
PTFIX 6/18X2,5-NS35-FE	3273130	445
PTFIX 6/18X2,5-NS35A BK	3273256	445
PTFIX 6/18X2,5-NS35A BN	3273252	445
PTFIX 6/18X2,5-NS35A BU	3273244	445
PTFIX 6/18X2,5-NS35A GN	3273250	445
PTFIX 6/18X2,5-NS35A GY	3273242	445
PTFIX 6/18X2,5-NS35A OG	3273260	445
PTFIX 6/18X2,5-NS35A PK	3273259	445
PTFIX 6/18X2,5-NS35A RD	3273246	445
PTFIX 6/18X2,5-NS35A VT	3273258	445
PTFIX 6/18X2,5-NS35A WH	3273254	445
PTFIX 6/18X2,5-NS35A YE	3273248	445
PTFIX 6/18X2,5-NS35A-FE	3273262	445
PTFIX 6/6X2,5 BK	3273344	443
PTFIX 6/6X2,5 BN	3273340	443
PTFIX 6/6X2,5 BU	3273332	443
PTFIX 6/6X2,5 BUWH	1091674	443
PTFIX 6/6X2,5 GN	3273338	443
PTFIX 6/6X2,5 GY	3273330	443
PTFIX 6/6X2,5 OG	3273348	443
PTFIX 6/6X2,5 PK	3273347	443
PTFIX 6/6X2,5 RD	3273334	443
PTFIX 6/6X2,5 VT	3273346	443
PTFIX 6/6X2,5 WH	3273342	443
PTFIX 6/6X2,5 YE	3273336	443
PTFIX 6/6X2,5-FE	3273350	443
PTFIX 6/6X2,5-FE-G	3273480	444
PTFIX 6/6X2,5-G BK	3273474	444
PTFIX 6/6X2,5-G BN	3273470	444
PTFIX 6/6X2,5-G BU	3273462	444
PTFIX 6/6X2,5-G GN	3273468	444
PTFIX 6/6X2,5-G GY	3273460	444
PTFIX 6/6X2,5-G OG	3273478	444
PTFIX 6/6X2,5-G PK	3273477	444
PTFIX 6/6X2,5-G RD	3273464	444
PTFIX 6/6X2,5-G VT	3273476	444
PTFIX 6/6X2,5-G WH	3273472	444
PTFIX 6/6X2,5-G YE	3273466	444
PTFIX 6/6X2,5-NS15A BK	3274180	445
PTFIX 6/6X2,5-NS15A BN	3274176	445
PTFIX 6/6X2,5-NS15A BU	3274168	445
PTFIX 6/6X2,5-NS15A GN	3274174	445
PTFIX 6/6X2,5-NS15A GY	3274166	445
PTFIX 6/6X2,5-NS15A OG	3274184	445
PTFIX 6/6X2,5-NS15A PK	3274183	445
PTFIX 6/6X2,5-NS15A RD	3274170	445
PTFIX 6/6X2,5-NS15A VT	3274182	445
PTFIX 6/6X2,5-NS15A WH	3274178	445
PTFIX 6/6X2,5-NS15A YE	3274172	445
PTFIX 6/6X2,5-NS15A-FE	3274186	445
PTFIX 6/6X2,5-NS35 BK	3273080	445
PTFIX 6/6X2,5-NS35 BN	3273076	445
PTFIX 6/6X2,5-NS35 BU	3273068	445
PTFIX 6/6X2,5-NS35 GN	3273074	445
PTFIX 6/6X2,5-NS35 GY	3273066	445
PTFIX 6/6X2,5-NS35 OG	3273084	445
PTFIX 6/6X2,5-NS35 PK	3273083	445
PTFIX 6/6X2,5-NS35 RD	3273070	445
PTFIX 6/6X2,5-NS35 VT	3273082	445
PTFIX 6/6X2,5-NS35 WH	3273078	445
PTFIX 6/6X2,5-NS35 YE	3273072	445
PTFIX 6/6X2,5-NS35-FE	3273086	445
PTFIX 6/6X2,5-NS35A BK	3273212	445
PTFIX 6/6X2,5-NS35A BN	3273208	445
PTFIX 6/6X2,5-NS35A BU	3273200	445
PTFIX 6/6X2,5-NS35A GN	3273206	445
PTFIX 6/6X2,5-NS35A GY	3273198	445
PTFIX 6/6X2,5-NS35A OG	3273216	445
PTFIX 6/6X2,5-NS35A PK	3273215	445
PTFIX 6/6X2,5-NS35A RD	3273202	445
PTFIX 6/6X2,5-NS35A VT	3273214	445
PTFIX 6/6X2,5-NS35A WH	3273210	445
PTFIX 6/6X2,5-NS35A YE	3273204	445
PTFIX 6/6X2,5-NS35A-FE	3273218	445
PTFIX 6X1,5 BK	3002781	429
PTFIX 6X1,5 BN	3002774	429
PTFIX 6X1,5 BU	3002761	429
PTFIX 6X1,5 GN	3002771	429
PTFIX 6X1,5 GY	3002757	429
PTFIX 6X1,5 OG	3002792	430
PTFIX 6X1,5 PK	3002787	429
PTFIX 6X1,5 RD	3002765	429
PTFIX 6X1,5 VT	3002784	429
PTFIX 6X1,5 WH	3002778	429
PTFIX 6X1,5 YE	3002768	429
PTFIX 6X1,5-FE	3002795	430
PTFIX 6X1,5-G BK	3002893	432
PTFIX 6X1,5-G BN	3002887	432
PTFIX 6X1,5-G BU	3002864	432
PTFIX 6X1,5-G GN	3002883	432
PTFIX 6X1,5-G GY	3002798	432
PTFIX 6X1,5-G OG	3002903	432
PTFIX 6X1,5-G PK	3002900	432
PTFIX 6X1,5-G RD	3002877	432
PTFIX 6X1,5-G VT	3002896	432
PTFIX 6X1,5-G WH	3002890	432
PTFIX 6X1,5-G YE	3002880	432
PTFIX 6X1,5-G-FE	3002906	432
PTFIX 6X1,5-NS15A BK	3002967	433
PTFIX 6X1,5-NS15A BN	3002970	433
PTFIX 6X1,5-NS15A BU	3002919	433
PTFIX 6X1,5-NS15A GN	3002963	433
PTFIX 6X1,5-NS15A GY	3002910	433
PTFIX 6X1,5-NS15A OG	3002946	433
PTFIX 6X1,5-NS15A PK	3002976	433
PTFIX 6X1,5-NS15A RD	3002928	433
PTFIX 6X1,5-NS15A VT	3002973	433
PTFIX 6X1,5-NS15A WH	3002936	433
PTFIX 6X1,5-NS15A YE	3002955	433
PTFIX 6X1,5-NS15A-FE	3002980	433
PTFIX 6X2,5 BK	3273278	439
PTFIX 6X2,5 BN	3273274	439
PTFIX 6X2,5 BU	3273266	439
PTFIX 6X2,5 BUWH	1091675	439
PTFIX 6X2,5 GN	3273272	439
PTFIX 6X2,5 GY	3273264	439
PTFIX 6X2,5 OG	3273282	439
PTFIX 6X2,5 PK	3273281	439
PTFIX 6X2,5 RD	3273268	439
PTFIX 6X2,5 VT	3273280	439
PTFIX 6X2,5 WH	3273276	439
PTFIX 6X2,5 YE	3273270	439
PTFIX 6X2,5-FE	3273284	439
PTFIX 6X2,5-FE-G	3273414	440
PTFIX 6X2,5-G BK	3273408	440
PTFIX 6X2,5-G BN	3273404	440
PTFIX 6X2,5-G BU	3273396	440
PTFIX 6X2,5-G GN	3273402	440
PTFIX 6X2,5-G GY	3273395	440
PTFIX 6X2,5-G OG	3273412	440
PTFIX 6X2,5-G PK	3273411	440
PTFIX 6X2,5-G RD	3273398	440
PTFIX 6X2,5-G VT	3273410	440
PTFIX 6X2,5-G WH	3273406	440
PTFIX 6X2,5-G YE	3273400	440
PTFIX 6X2,5-NS15A BK	3274114	441
PTFIX 6X2,5-NS15A BN	3274110	441
PTFIX 6X2,5-NS15A BU	3274102	441
PTFIX 6X2,5-NS15A GN	3274108	441
PTFIX 6X2,5-NS15A GY	3274100	441
PTFIX 6X2,5-NS15A OG	3274118	441
PTFIX 6X2,5-NS15A PK	3274117	441
PTFIX 6X2,5-NS15A RD	3274104	441
PTFIX 6X2,5-NS15A VT	3274116	441
PTFIX 6X2,5-NS15A WH	3274112	441
PTFIX 6X2,5-NS15A YE	3274106	441
PTFIX 6X2,5-NS15A-FE	3274120	441
PTFIX 6X2,5-NS35 BK	3273014	441
PTFIX 6X2,5-NS35 BN	3273010	441
PTFIX 6X2,5-NS35 BU	3273002	441
PTFIX 6X2,5-NS35 GN	3273008	441
PTFIX 6X2,5-NS35 GY	3273000	441
PTFIX 6X2,5-NS35 OG	3273018	441
PTFIX 6X2,5-NS35 PK	3273017	441
PTFIX 6X2,5-NS35 RD	3273004	441
PTFIX 6X2,5-NS35 VT	3273016	441
PTFIX 6X2,5-NS35 WH	3273012	441
PTFIX 6X2,5-NS35 YE	3273006	441
PTFIX 6X2,5-NS35-FE	3273020	441
PTFIX 6X2,5-NS35A BK	3273146	441
PTFIX 6X2,5-NS35A BN	3273142	441
PTFIX 6X2,5-NS35A BU	3273134	441
PTFIX 6X2,5-NS35A GN	3273140	441
PTFIX 6X2,5-NS35A GY	3273132	441
PTFIX 6X2,5-NS35A OG	3273150	441
PTFIX 6X2,5-NS35A PK	3273149	441
PTFIX 6X2,5-NS35A RD	3273136	441
PTFIX 6X2,5-NS35A VT	3273148	441
PTFIX 6X2,5-NS35A WH	3273144	441
PTFIX 6X2,5-NS35A YE	3273138	441
PTFIX 6X2,5-NS35A-FE	3273152	441
PTFIX 6X4 BK	3273804	447
PTFIX 6X4 BN	3273800	447
PTFIX 6X4 BU	3273792	447
PTFIX 6X4 GN	3273798	447
PTFIX 6X4 GY	3273790	447
PTFIX 6X4 OG	3273808	447
PTFIX 6X4 PK	3273807	447
PTFIX 6X4 RD	3273794	447
PTFIX 6X4 VT	3273806	447
PTFIX 6X4 WH	3273802	447
PTFIX 6X4 YE	3273796	447
PTFIX 6X4-FE	3273810	447
PTFIX 6X4-FE-G	3273942	448
PTFIX 6X4-G BK	3273936	448
PTFIX 6X4-G BN	3273932	448
PTFIX 6X4-G BU	3273924	448
PTFIX 6X4-G GN	3273930	448
PTFIX 6X4-G GY	3273922	448
PTFIX 6X4-G OG	3273940	448
PTFIX 6X4-G PK	3273939	448
PTFIX 6X4-G RD	3273926	448
PTFIX 6X4-G VT	3273938	448
PTFIX 6X4-G WH	3273934	448
PTFIX 6X4-G YE	3273928	448

Type	Order No.	Page
PTFIX 6X4-NS35 BK	3273540	449
PTFIX 6X4-NS35 BN	3273536	449
PTFIX 6X4-NS35 BU	3273528	449
PTFIX 6X4-NS35 GN	3273534	449
PTFIX 6X4-NS35 GY	3273526	449
PTFIX 6X4-NS35 OG	3273544	449
PTFIX 6X4-NS35 PK	3273543	449
PTFIX 6X4-NS35 RD	3273530	449
PTFIX 6X4-NS35 VT	3273542	449
PTFIX 6X4-NS35 WH	3273538	449
PTFIX 6X4-NS35 YE	3273532	449
PTFIX 6X4-NS35-FE	3273546	449
PTFIX 6X4-NS35A BK	3273672	449
PTFIX 6X4-NS35A BN	3273668	449
PTFIX 6X4-NS35A BU	3273660	449
PTFIX 6X4-NS35A GN	3273666	449
PTFIX 6X4-NS35A GY	3273658	449
PTFIX 6X4-NS35A OG	3273676	449
PTFIX 6X4-NS35A PK	3273675	449
PTFIX 6X4-NS35A RD	3273662	449
PTFIX 6X4-NS35A VT	3273674	449
PTFIX 6X4-NS35A WH	3273670	449
PTFIX 6X4-NS35A YE	3273664	449
PTFIX 6X4-NS35A-FE	3273678	449
PTFIX-F	3274060	438
PTFIX-NS15A	3274058	
PTFIX-NS15A-FIX	3274059	438
PTFIX-NS35	3274054	438
PTFIX-NS35A	3274056	
PTFIX-NS35A-FIX	3274057	438
PTI 16-NLS-FI	1030130	127
PTI 16-NLS-FI BU	1030131	127
PTI 16-NLS-FI RD	1030132	127
PTI 16-NLS-FI-FE	1030135	127
PTI 16/S	3214029	126
PTI 16/S BU	3214023	126
PTI 16/S-PE	3214024	126
PTI 2,5	3213968	90
PTI 2,5 BU	3213969	90
PTI 2,5-L	3213951	92
PTI 2,5-L/L	3213953	92
PTI 2,5-L/LB	3213945	94
PTI 2,5-L/LT	3213948	91
PTI 2,5-L/LTB	3213958	93
PTI 2,5-L/N	3213954	92
PTI 2,5-L/NT	3213947	91
PTI 2,5-L/NTB	3213956	93
PTI 2,5-L/TG	3213961	77
PTI 2,5-N	3213952	92
PTI 2,5-PE	3213962	90
PTI 2,5-PE/L/L	3213949	91
PTI 2,5-PE/L/LB	3213959	93
PTI 2,5-PE/L/LTB	3213957	92
PTI 2,5-PE/L/N	3213950	91
PTI 2,5-PE/L/NT	3213946	91
PTI 2,5-PE/L/NTB	3213955	92
PTI 2,5-PE/L/TG	3213960	77
PTI 4	3213970	108
PTI 4 BU	3213971	108
PTI 4-L/L	3214052	109
PTI 4-L/N	3214051	109
PTI 4-PE	3213964	108
PTI 4-PE/L/L	3214050	109
PTI 4-PE/L/LT	3214048	109
PTI 4-PE/L/N	3214049	109
PTI 4-PE/L/NT	3214047	109
PTI 6	3213972	118
PTI 6 BU	3213973	118
PTI 6-PE	3213966	118
PTIO 1,5/S/3	3244410	41
PTIO 1,5/S/3-LED 24 GN	3244436	41
PTIO 1,5/S/3-LED 24 RD	3244423	41
PTIO 1,5/S/3-PE	3244449	41
PTIO 1,5/S/4	3244452	41
PTIO 1,5/S/4-LED 24 GN	3244520	41
PTIO 1,5/S/4-LED 24 RD	3244517	41
PTIO 1,5/S/4-PE	3244465	41
PTIO 1,5/S/5	3244470	42
PTIO 1,5/S/5-PE	3244473	42
PTIO 1,5/S/5-PE/U-BK/O-WH	3244471	42
PTIO 1,5/S/5/U-BK/O-WH	3244472	42
PTIO-IN 2,5/3 OG	3244559	41
PTIO-IN 2,5/4-PE OG	3244481	41
PTMC 1,5 /1-2 -DF	3001937	68
PTMC 1,5 /1-2 -NS	3001915	68
PTMC 1,5 /1-3 -DF	3001929	68
PTMC 1,5 /1-3 -NS	3001905	68
PTMC 1,5 /2-2 -DF	3001940	68
PTMC 1,5 /2-2 -NS	3001916	68
PTMC 1,5 /2-3 -DF	3001930	68
PTMC 1,5 /2-3 -NS	3001906	68
PTMC 1,5 /3-2 -DF	3001942	68
PTMC 1,5 /3-2 -NS	3001917	68
PTMC 1,5 /3-3 -DF	3001931	68
PTMC 1,5 /3-3 -NS	3001907	68
PTMC 1,5 /4-2 -DF	3001943	68
PTMC 1,5 /4-2 -NS	3001918	68
PTMC 1,5 /4-3 -DF	3001932	68
PTMC 1,5 /4-3 -NS	3001908	68
PTMC 1,5 /5-2 -DF	3001944	68
PTMC 1,5 /5-2 -NS	3001919	68
PTMC 1,5 /5-3 -DF	3001933	68
PTMC 1,5 /5-3 -NS	3001910	68
PTMC 1,5 /6-2 -DF	3001945	68
PTMC 1,5 /6-2 -NS	3001920	68
PTMC 1,5 /6-3 -DF	3001934	68
PTMC 1,5 /6-3 -NS	3001911	68
PTMC 1,5 /7-2 -DF	3001946	68
PTMC 1,5 /7-2 -NS	3001921	68
PTMC 1,5 /7-3 -DF	3001935	68
PTMC 1,5 /7-3 -NS	3001913	68
PTMC 1,5 /8-2 -DF	3001947	68
PTMC 1,5 /8-2 -NS	3001922	68
PTMC 1,5 /8-3 -DF	3001936	68
PTMC 1,5 /8-3 -NS	3001914	68
PTMC 1,5-2 /BK	3270434	57
PTMC 1,5-2 /BN	3270433	57
PTMC 1,5-2 /BU	3270430	57
PTMC 1,5-2 /GN	3270432	57
PTMC 1,5-2 /GY	3270302	57
PTMC 1,5-2 /OG	3270436	57
PTMC 1,5-2 /PK	3270438	57
PTMC 1,5-2 /RD	3270431	57
PTMC 1,5-2 /VT	3270435	57
PTMC 1,5-2 /WH	3270303	57
PTMC 1,5-2 /YE	3270437	57
PTMC 1,5-3 /BK	3270424	57
PTMC 1,5-3 /BN	3270423	57
PTMC 1,5-3 /BU	3270420	57
PTMC 1,5-3 /GN	3270422	57
PTMC 1,5-3 /GY	3270300	57
PTMC 1,5-3 /OG	3270426	57
PTMC 1,5-3 /PK	3270428	57
PTMC 1,5-3 /RD	3270421	57
PTMC 1,5-3 /VT	3270425	57
PTMC 1,5-3 /WH	3270301	57
PTMC 1,5-3 /YE	3270427	57
PTMC 1,5/18	3270390	66
PTMC 1,5/32-2	3270314	60
PTMC 1,5/32-2 /BU	3270315	60
PTMC 1,5/32-2H /BU 19Z	3270317	64
PTMC 1,5/32-2H 19Z	3270316	64
PTMC 1,5/32-2H 19Z A-H	3270392	64
PTMC 1,5/32-2H VDE0815 19Z	3270395	65
PTMC 1,5/32-2H VDE0815 19Z A-H	3270393	65
PTMC 1,5/32-3	3270310	58
PTMC 1,5/32-3 /BU	3270312	58
PTMC 1,5/32-3 /BU 19Z	3270313	62
PTMC 1,5/32-3 19Z	3270311	62
PTMC 1,5/32-3 VDE0815 19Z	3270394	63
PTMC 1,5/48-2	3270322	61
PTMC 1,5/48-2 /BU	3270323	61
PTMC 1,5/48-3	3270318	59
PTMC 1,5/48-3 /BU	3270320	59
PTMC 1,5/48-3 /BU 19Z	3270321	63
PTMC 1,5/48-3 19Z	3270319	63
PTMC 1,5/54	3270391	67
PTMC 1,5/80-2	3270329	61
PTMC 1,5/80-2 /BU	3270330	61
PTMC 1,5/80-3	3270324	59
PTMC 1,5/80-3 /BU	3270326	59
PTMC 1,5/80-3 /BU 19Z	3270327	63
PTMC 1,5/80-3 19Z	3270325	63
PTME 4	3212139	105
PTME 6	3212170	116
PTME 6 HV	3035696	116
PTME 6 HV BU	3035695	116
PTME 6-BE	3035687	115
PTME 6-CT/1P	3212300	348
PTME 6-DIO/L-R HV	3035697	115
PTME 6-DIO/R-L HV	3035698	115
PTME 6/1P	3212306	347
PTMED 4	3212141	105
PTMED 4-PE	3212154	105
PTMED 6	3212183	116
PTMED 6-CT/1P	3212301	348
PTMED 6-CT/1P-PE	3212302	348
PTMED 6-PE	3212196	116
PTN 16/S	3214025	126
PTN 2,5	3213963	90
PTN 4	3213965	108
PTN 6	3213967	118
PTPOWER 185	1054722	141
PTPOWER 185 3L-F	1054735	141
PTPOWER 185 3L/FE-F	1054737	141
PTPOWER 185 3L/N-F	1054736	141
PTPOWER 185 3L/N/FE-F	1054738	141
PTPOWER 185 BU	1054723	141
PTPOWER 185 F	1054732	141
PTPOWER 185 F BU	1054733	141
PTPOWER 185 FE-F	1054734	141
PTPOWER 185 P	1054725	141
PTPOWER 185 P BU	1054726	141
PTPOWER 185 P-F	1054739	141
PTPOWER 185-3L	1054728	141
PTPOWER 185-3L/FE	1054730	141
PTPOWER 185-3L/N	1054729	141
PTPOWER 185-3L/N/FE	1054731	141
PTPOWER 185-FE	1054724	141
PTPOWER 35	3212064	135
PTPOWER 35 BU	3212065	135
PTPOWER 35-3L	3212068	135
PTPOWER 35-3L-F	3212072	135
PTPOWER 35-3L/FE	3212070	135
PTPOWER 35-3L/FE-F	3212075	135
PTPOWER 35-3L/N	3212069	135
PTPOWER 35-3L/N-F	3212073	135
PTPOWER 35-3L/N/FE	3212071	135
PTPOWER 35-3L/N/FE-F	3212076	135
PTPOWER 35-F	3212078	135
PTPOWER 35-F BU	3212079	135
PTPOWER 35-FE	3212081	135
PTPOWER 35-FE-F	3212082	135
PTPOWER 35-PE	3212066	135
PTPOWER 50	3260050	137
PTPOWER 50 BU	3260051	137
PTPOWER 50 P	3260065	137
PTPOWER 50-3L	3260053	137
PTPOWER 50-3L-F	3260057	137
PTPOWER 50-3L/FE	3260055	137
PTPOWER 50-3L/FE-F	3260059	137
PTPOWER 50-3L/N	3260054	137
PTPOWER 50-3L/N-F	3260058	137
PTPOWER 50-3L/N/FE	3260056	137
PTPOWER 50-3L/N/FE-F	3260060	137
PTPOWER 50-F	3260061	137
PTPOWER 50-F BU	3260062	137
PTPOWER 50-FE	3260063	137
PTPOWER 50-FE-F	3260064	137
PTPOWER 50-PE	3260052	137
PTPOWER 95	3260100	139
PTPOWER 95 BU	3260103	139
PTPOWER 95 P	3260163	139
PTPOWER 95-3L	3260109	139
PTPOWER 95-3L-F	3260121	139
PTPOWER 95-3L/FE	3260115	139
PTPOWER 95-3L/FE-F	3260127	139
PTPOWER 95-3L/N	3260112	139
PTPOWER 95-3L/N-F	3260124	139
PTPOWER 95-3L/N/FE	3260118	139
PTPOWER 95-3L/N/FE-F	3260130	139
PTPOWER 95-F	3260133	139
PTPOWER 95-F BU	3260136	139
PTPOWER 95-FE	3260139	139
PTPOWER 95-FE-F	3260142	139
PTPOWER 95-PE	3260106	139
PTRE 6-2/10	3069855	623
PTRE 6-2/11	3069860	623
PTRE 6-2/12	3069861	623
PTRE 6-2/13	3069862	623
PTRE 6-2/14	3069863	623
PTRE 6-2/15	3069864	623
PTRE 6-2/16	3069865	623
PTRE 6-2/17	3069866	623
PTRE 6-2/18	3069867	623
PTRE 6-2/19	3069868	623
PTRE 6-2/20	3069869	623
PTRE 6-2/21	3069870	623
PTRE 6-2/22	3069871	623
PTRE 6-2/23	3069872	623
PTRE 6-2/24	3069873	623
PTRE 6-2/25	3069874	623
PTRE 6-2/4	3069849	623
PTRE 6-2/5	3069850	623
PTRE 6-2/6	3069851	623
PTRE 6-2/7	3069852	623
PTRE 6-2/8	3069853	623
PTRE 6-2/9	3069854	623
PTRE 6-2/A14	3069452	630
PTRE 6-2/A7	3069449	630
PTRE 6-2/B14	3069453	630
PTRE 6-2/B19	3069455	630
PTRE 6-2/B7	3069450	630
PTRE 6-2/C14	3069454	630
PTRE 6-2/C19	3069456	630
PTRE 6-2/D19	3069457	630
PTRE 6-2/E7	3069451	630
PTRE 6-2/F19	3069458	630
PTRE 6-2/G19	3069459	630
PTRE 6-2/H19	3069460	630
PTRE 6-2/I19	3069461	630
PTRV 4 /COL-COL	3001875	54
PTRV 4 /COL-RD	3001754	54
PTRV 4 /COL-WH	3001871	54
PTRV 4 /GN	3270122	46
PTRV 4 /GY	3270117	46
PTRV 4 /RD	3270121	46
PTRV 4 /RD-COL	3001872	54
PTRV 4 /WH	3270115	46
PTRV 4 /WH-COL	3001874	54
PTRV 4 /YE	3270123	46
PTRV 4 BU/BU	3270118	46
PTRV 4 BU/RD	3270120	46
PTRV 4 BU/WH	3270119	46
PTRV 4-FE /BKYE	3270131	47
PTRV 4-FE /YEBK	3270130	47
PTRV 4-PV /BK	3270125	47
PTRV 4-PV /BU	3270247	47
PTRV 4-PV /RD	3270246	47
PTRV 4-PV BU/BK	3270126	47
PTRV 8 /BU	3270233	50
PTRV 8 /COL-COL	3001879	54
PTRV 8 /COL-RDWH	3001851	54
PTRV 8 /COL-WHRD	3001876	54
PTRV 8 /GN	3270232	50
PTRV 8 /RD	3270231	50
PTRV 8 /RDWH	3270137	50
PTRV 8 /RDWH-COL	3001877	54
PTRV 8 /WHRD	3270133	50
PTRV 8 /WHRD-COL	3001878	54
PTRV 8 /VDE 0815	3270230	50
PTRV 8 BU/BU	3270136	50
PTRV 8 BU/RDWH	3270135	50
PTRV 8 BU/WHRD	3270134	50
PTRV 8-FE /BKYE	3270149	51
PTRV 8-FE /YEBK	3270148	51
PTRV 8-PV /BK	3270142	51
PTRV 8-PV /BU	3270249	51
PTRV 8-PV /RD	3270248	51
PTRV 8-PV BU/BK	3270145	51

Type	Order No.	Page
PTRVB 4-FI /BK	3270158	48
PTRVB 4-FI /BU	3270221	48
PTRVB 4-FI /GY	3270138	48
PTRVB 4-FI /RD	3270220	48
PTRVB 4-PE	1070018	48
PTRVB 4-PV /BK	3270157	48
PTRVB 4-PV /BU	3270223	48
PTRVB 4-PV /RD	3270222	48
PTRVB 8-FI /BK	3270160	52
PTRVB 8-FI /BU	3270225	52
PTRVB 8-FI /RD	3270224	52
PTRVB 8-PV /BK	3270159	52
PTRVB 8-PV /BU	3270227	52
PTRVB 8-PV /RD	3270226	52
PTS 1,5/S	3214547	44
PTS 1,5/S BU	3214550	44
PTS 1,5/S-3L/3P	1027881	279
PTS 1,5/S-3L/3P BU	1027882	279
PTS 1,5/S-3PE/3P	1027884	280
PTS 1,5/S-3PV/3P	1027883	279
PTS 1,5/S-PE	3214563	44
PTS 1,5/S-PE/L/L/3P	1027885	280
PTS 1,5/S-PE/L/N/3P	1027886	280
PTS 1,5/S-QUATTRO	3214615	45
PTS 1,5/S-QUATTRO BU	3214631	45
PTS 1,5/S-QUATTRO-PE	3214644	45
PTS 1,5/S-TWIN	3214589	44
PTS 1,5/S-TWIN BU	3214592	44
PTS 1,5/S-TWIN-PE	3214602	44
PTS 1,5/S-TWIN/1P	3214709	279
PTS 1,5/S-TWIN/1P BU	3214712	279
PTS 1,5/S-TWIN/1P-PE	3214725	279
PTS 1,5/S/1P	3214453	279
PTS 1,5/S/1P BU	3214466	279
PTS 1,5/S/1P-PE	3214479	279
PTS 2,5	3211799	84
PTS 2,5 BU	3211812	84
PTS 2,5-PE	3211867	84
PTS 2,5-QUATTRO	3211993	85
PTS 2,5-QUATTRO BU	3212002	85
PTS 2,5-QUATTRO-PE	3212011	85
PTS 2,5-TWIN	3211896	84
PTS 2,5-TWIN BU	3211906	84
PTS 2,5-TWIN-PE	3211935	84
PTS 4	3213601	107
PTS 4 BU	3213602	107
PTS 4-PE	3213603	107
PTS 4-QUATTRO	3213607	107
PTS 4-QUATTRO BU	3213608	107
PTS 4-QUATTRO-PE	3213609	107
PTS 4-TWIN	3213604	107
PTS 4-TWIN BU	3213605	107
PTS 4-TWIN-PE	3213606	107
PTT 1,5/S-2L	3210356	44
PTT 1,5/S-2L BU	3210357	44
PTT 1,5/S-2MT	3210351	43
PTT 1,5/S-2MT BU	3210352	43
PTT 1,5/S-L/MT	3210341	43
PTT 1,5/S-L/MT BU	3210342	43
PTT 2,5-2L	3210267	77
PTT 2,5-2L BU	3210268	77
PTT 2,5-2MT	3210258	80
PTT 2,5-2MT BU	3210265	80
PTT 2,5-L/MT	3210251	80
PTT 2,5-L/MT BU	3210257	80
PTT 2,5-L/TG	3210230	77
PTT 2,5-L/TG BU	3210270	77
PTTB 1,5/S	3208511	39
PTTB 1,5/S BU	3208524	39
PTTB 1,5/S-L/N	3208544	40
PTTB 1,5/S-PE	3208537	39
PTTB 1,5/S-PE/L	3208553	40
PTTB 1,5/S-PE/N	3208566	40
PTTB 1,5/S-PV	3208540	39
PTTB 1,5/S/2P	3212439	277
PTTB 1,5/S/2P BU	3212442	277
PTTB 1,5/S/2P-PE	3212455	277
PTTB 1,5/S/2P-PV	3212468	277
PTTB 1,5/S/4P	3213865	278
PTTB 1,5/S/4P BU	3213878	278
PTTB 1,5/S/4P-PE	3213881	278
PTTB 1,5/S/4P-PV	3213852	278
PTTB 2,5	3210567	72
PTTB 2,5 BU	3210570	72
PTTB 2,5-2BE	3211480	83
PTTB 2,5-2DIO/O-UL/O-UR	3211443	82
PTTB 2,5-2DIO/O-UL/UR-UL	3211430	82
PTTB 2,5-2DIO/OL-U/OR-U	3211447	82
PTTB 2,5-2DIO/U-OL/U-OR	3211445	82
PTTB 2,5-2DIO/UR-O/UR-UL	3211433	82
PTTB 2,5-DIO/O-U	3210923	81
PTTB 2,5-DIO/U-O	3210936	81
PTTB 2,5-DIO/UL-UR	3211427	81
PTTB 2,5-ILA 100	3215042	83
PTTB 2,5-L/N	3210994	72
PTTB 2,5-LA 230	3211472	82
PTTB 2,5-LA 24 RD	3211456	82
PTTB 2,5-LA 60 RD	3211469	82
PTTB 2,5-PE	3210596	72
PTTB 2,5-PE/L	3210978	72
PTTB 2,5-PE/N	3210981	72
PTTB 2,5-PV	3210583	72
PTTB 2,5-R499/O-U	3210925	82
PTTB 2,5/2P	3210871	292
PTTB 2,5/2P BU	3210884	292
PTTB 2,5/2P-PE	3210897	292
PTTB 2,5/2P-PV	3210907	292
PTTB 4	3211786	99
PTTB 4 BU	3211793	99
PTTB 4-HESI (5X20)	3211886	101
PTTB 4-HESILED 24 (5X20)	3211888	101
PTTB 4-HESILED 250 (5X20)	3211892	101
PTTB 4-HESILED 60 (5X20)	3211890	101
PTTB 4-L 1000V	3062744	100
PTTB 4-MT	3211913	103
PTTB 4-MT BU	3211915	103
PTTB 4-PE	3211854	99
PTTB 4-PV	3211825	99
PTTB 4-TG	3211909	103
PTTB 4-TG BU	3211911	103
PTTBS 1,5/S	3214657	45
PTTBS 1,5/S BU	3214660	45
PTTBS 1,5/S WH/U-BK/O-RD	3214662	40
PTTBS 1,5/S WH/U-YE/O-WH	3214661	40
PTTBS 1,5/S-KNX	3214663	40
PTTBS 1,5/S-PE	3214673	45
PTTBS 1,5/S-PV	3214686	45
PTTBS 1,5/S/2P	3214495	281
PTTBS 1,5/S/2P BU	3214505	281
PTTBS 1,5/S/2P-PE	3214518	281
PTTBS 1,5/S/2P-PV	3214521	281
PTTBS 2,5	3209604	85
PTTBS 2,5 BU	3209617	85
PTTBS 2,5-2MTB	3210400	80
PTTBS 2,5-2MTB BU	3210401	80
PTTBS 2,5-2TGB	3210402	77
PTTBS 2,5-PE	3209620	85
PTTBS 2,5-PV	3210211	85
PTTBS 2,5-QUATTRO	3210609	72
PTTBS 2,5-QUATTRO BU	3210610	72
PTTBS 2,5-QUATTRO-PE	3210611	72
PTTBS 2,5-QUATTRO-PV	3210612	72
PTTBS 2,5-TWIN	3210600	72
PTTBS 2,5-TWIN BU	3210601	72
PTTBS 2,5-TWIN-PE	3210602	72
PTTBS 2,5-TWIN-PV	3210603	72
PTTBS 2,5-TWIN/2P	3210604	292
PTTBS 2,5-TWIN/2P BU	3210605	292
PTTBS 2,5-TWIN/2P-PE	3210606	292
PTTBS 2,5-TWIN/2P-PV	3210607	292
PTTBS 2,5/2P	3211260	292
PTTBS 2,5/2P BU	3211261	292
PTTBS 2,5/2P-PE	3211263	292
PTTBS 2,5/2P-PV	3211262	292
PTTBS 4	3211832	107
PTTBS 4 BU	3211838	107
PTTBS 4-PE	3211841	107
PTTBS 4-PV	3211848	107
PTU 2,5	3209519	84
PTU 2,5 BU	3209520	84
PTU 2,5-PE	3209521	84
PTU 2,5-TWIN	3209515	84
PTU 2,5-TWIN BU	3209516	84
PTU 2,5-TWIN-PE	3209517	84
PTU 35/4X10	3002371	130
PTU 35/4X10 BU	3002370	131
PTU 35/4X6/6X2,5	3214080	128
PTU 35/4X6/6X2,5 BU	3214081	129
PTU 35/4X6/6X2,5-FE	3214082	129
PTU 4	3211855	106
PTU 4 BU	3211856	106
PTU 4-MT	3209538	106
PTU 4-MT-P	3209532	106
PTU 4-MTD	3209539	106
PTU 4-MTD-P	3209540	106
PTU 4-PE	3211857	106
PTU 4-TG	3209542	106
PTU 4-TG-P	3209541	106
PTU 4-TWIN	3211859	106
PTU 4-TWIN BU	3211860	106
PTU 4-TWIN-PE	3211862	106
PTU 6-T	3209535	117
PTU 6-T-P	3209530	117
PTUD 6	3209531	117
PTUD 6-P	3209537	117
PTV 2,5	1078960	88
PTV 2,5 BU	1078962	88
PTV 2,5-PE	1078963	88
PTV 2,5-QUATTRO	1078999	88
PTV 2,5-QUATTRO BU	1079006	88
PTV 2,5-QUATTRO-PE	1079012	88
PTV 2,5-TWIN	1078966	88
PTV 2,5-TWIN BU	1078971	88
PTV 2,5-TWIN-PE	1078991	88
PTVC 2,5-MT	1079059	89
PTVC 2,5-MT BU	1079060	89
PTVC 2,5-TG	1079061	89
PTWE 6-2/10	3069833	622
PTWE 6-2/11	3069834	622
PTWE 6-2/12	3069835	622
PTWE 6-2/13	3069836	622
PTWE 6-2/14	3069837	622
PTWE 6-2/15	3069838	622
PTWE 6-2/16	3069839	622
PTWE 6-2/17	3069840	622
PTWE 6-2/18	3069841	622
PTWE 6-2/19	3069842	622
PTWE 6-2/20	3069843	622
PTWE 6-2/21	3069844	622
PTWE 6-2/22	3069845	622
PTWE 6-2/23	3069846	622
PTWE 6-2/24	3069847	622
PTWE 6-2/25	3069848	622
PTWE 6-2/4	3069827	622
PTWE 6-2/5	3069828	622
PTWE 6-2/6	3069829	622
PTWE 6-2/7	3069830	622
PTWE 6-2/8	3069831	622
PTWE 6-2/9	3069832	622
PTWE 6-2/A14	3069439	630
PTWE 6-2/A7	3069436	630
PTWE 6-2/B14	3069440	630
PTWE 6-2/B19	3069442	630
PTWE 6-2/B7	3069437	630
PTWE 6-2/C14	3069441	630
PTWE 6-2/C19	3069443	630
PTWE 6-2/D19	3069444	630
PTWE 6-2/E7	3069438	630
PTWE 6-2/F19	3069445	630
PTWE 6-2/G19	3069446	630
PTWE 6-2/H19	3069447	630
PTWE 6-2/I19	3069448	630
PVB 3	0870036	536
PZ 1,5/S/2	3212918	362
PZ/2	3040627	362
PZ/4	3040643	362

Q

Type	Order No.	Page
QP 1,5/ 1	3051108	288
QP 1,5/ 1 BU	3051250	288
QP 1,5/ 1 GNYE	3051263	288
QP 1,5/ 1-L	3051014	289
QP 1,5/ 1-L BU	3051027	289
QP 1,5/ 1-L GNYE	3051030	289
QP 1,5/ 1-M	3051043	289
QP 1,5/ 1-M BU	3051056	289
QP 1,5/ 1-M GNYE	3051069	289
QP 1,5/ 1-R	3051072	289
QP 1,5/ 1-R BU	3051085	289
QP 1,5/ 1-R GNYE	3051098	289
QP 1,5/ 2	3051111	288
QP 1,5/ 3	3051124	288
QP 1,5/ 4	3051137	288
QP 1,5/ 5	3051140	288
QP 1,5/ 6	3051153	288
QP 1,5/ 7	3051166	288
QP 1,5/ 8	3051179	288
QP 1,5/ 9	3051182	288
QP 1,5/10	3051195	288
QP 1,5/11	3051205	288
QP 1,5/12	3051218	288
QP 1,5/13	3051221	288
QP 1,5/14	3051234	288
QP 1,5/15	3051247	288
QTC 1,5	3205019	257
QTC 1,5 BU	3205022	257
QTC 1,5-MT	3205103	259
QTC 1,5-PE	3205035	257
QTC 1,5-QUATTRO	3205077	257
QTC 1,5-QUATTRO BU	3205080	257
QTC 1,5-QUATTRO-PE	3205093	257
QTC 1,5-TG	3205145	258
QTC 1,5-TWIN	3205048	257
QTC 1,5-TWIN BU	3205051	257
QTC 1,5-TWIN-MT	3050407	259
QTC 1,5-TWIN-PE	3205064	257
QTC 1,5-TWIN-TG	3050413	258
QTC 1,5/ 1P	3050073	287
QTC 1,5/ 1P BU	3050086	287
QTC 1,5/ 1P-PE	3050099	287
QTC 1,5/1P-F	3061211	373
QTC 2,5	3206416	263
QTC 2,5 BU	3206429	263
QTC 2,5 HESILED 60 (5X20)	3050390	264
QTC 2,5-HEDI	3206678	264
QTC 2,5-HESI (5X20)	3050293	264
QTC 2,5-HESILA 250 (5X20)	3050387	264
QTC 2,5-HESILED 24 (5X20)	3050374	264
QTC 2,5-MT	3206487	263
QTC 2,5-PE	3206432	263
QTC 2,5-QUATTRO	3206446	263
QTC 2,5-QUATTRO BU	3206447	263
QTC 2,5-QUATTRO-PE	3206448	263
QTC 2,5-TG	3206490	263
QTC 2,5-TWIN	3206445	263
QTC 2,5-TWIN BU	3206461	263
QTC 2,5-TWIN-PE	3206474	263
QTCS 1,5	3050138	261
QTCS 1,5 BU	3050141	261
QTCS 1,5-PE	3050154	261
QTCS 1,5-TWIN	3206348	261
QTCS 1,5-TWIN BU	3206351	261
QTCS 1,5-TWIN-PE	3206364	261
QTCS 2,5	3206500	265
QTCS 2,5 BU	3206513	265
QTCS 2,5-PE	3206526	265
QTCS 2,5-TWIN	3050332	265
QTCS 2,5-TWIN BU	3050345	265
QTCS 2,5-TWIN-PE	3050358	265
QTCU 1,5	3050015	260
QTCU 1,5 BU	3050028	260
QTCU 1,5-PE	3050031	260
QTCU 1,5-TWIN	3050044	260
QTCU 1,5-TWIN BU	3050057	260

Type	Order No.	Page
QTCU 1,5-TWIN-PE	3050060	260
QTCU 2,5	3206539	264
QTCU 2,5 BU	3206542	264
QTCU 2,5-PE	3206555	264
QTCU 2,5-TWIN	3050303	264
QTCU 2,5-TWIN BU	3050316	264
QTCU 2,5-TWIN-MT	3050304	265
QTCU 2,5-TWIN-MT BU	3050317	265
QTCU 2,5-TWIN-PE	3050329	264
QTTCB 1,5	3205116	258
QTTCB 1,5 BU	3205129	258
QTTCB 1,5-DIO/O-U	3206241	259
QTTCB 1,5-PE	3205132	258
QTTCB 1,5-PV	3205153	258
QTTCB 1,5/ 2P	3050196	287
QTTCB 1,5/ 2P BU	3050206	287
QTTCB 1,5/ 2P-F	3061185	373
QTTCB 1,5/ 2P-PE	3050219	287
QTTCB 1,5/ 2P-PV	3206377	287
QTTCBS 1,5	3050222	261
QTTCBS 1,5 BU	3050235	261
QTTCBS 1,5-PE	3050248	261
QTTCBS 1,5-PV	3206380	261
QTTCBU 1,5	3050264	260
QTTCBU 1,5 BU	3050280	260
QTTCBU 1,5-PE	3050277	260
QTTCBU 1,5-PV	3050361	260

R

Type	Order No.	Page
RBO 10	3244614	391
RBO 10 BU	3244616	391
RBO 10-FE	3244615	391
RBO 10-FE-HC	3247978	393
RBO 10-HC	3247976	393
RBO 10-HC BU	3247977	393
RBO 10-VS 2	3244643	391
RBO 10-VS 3	3244656	391
RBO 12	3244627	391
RBO 12 BU	3244629	391
RBO 12-FE	3244628	391
RBO 12-FE-HC	3247988	393
RBO 12-HC	3247986	393
RBO 12-HC BU	3247987	393
RBO 12-VS 2	3244669	391
RBO 12-VS 3	3244672	391
RBO 16	3244630	391
RBO 16 BU	3244632	391
RBO 16-3L/N	3076277	391
RBO 16-FE	3244631	391
RBO 16-FE-HC	3247991	393
RBO 16-HC	3247989	393
RBO 16-HC BU	3247990	393
RBO 16-VS 2	3244685	391
RBO 16-VS 3	3244698	391
RBO 5	3058059	387
RBO 5-F	3058062	387
RBO 5-F/12	3059252	387
RBO 5-F/4	3058237	387
RBO 5-F/6	3058240	387
RBO 5-F/8	3058253	387
RBO 5-T	3058114	388
RBO 5-T-F	3058169	388
RBO 6	3075896	389
RBO 6-F	3075935	389
RBO 8	3213137	390
RBO 8 BU	3213136	390
RBO 8-3L/N/FE	3076280	390
RBO 8-FE	3213139	390
RBO 8-FE-HC	3247975	392
RBO 8-HC	3247973	392
RBO 8-HC BU	3247974	392
RBO 8-VS 2	3213179	390
RBO 8-VS 3	3213182	390
RSC 4	3058127	569
RSC 4-F	3058130	569
RSC 4-F/12	3059207	569
RSC 4-F/4	3059171	569

Type	Order No.	Page
RSC 4-F/6	3059184	569
RSC 4-F/8	3059197	569
RSC 5	3058143	570
RSC 5-F	3058156	571
RSC 5-F/12	3059249	571
RSC 5-F/4	3059210	571
RSC 5-F/6	3059223	571
RSC 5-F/8	3059236	571
RSC 5-T	3058172	573
RSC 5-T-F	3058334	573
RSC 6	3075870	572
RSC 6-F	3075919	573
RSCWE 6-3/10	3969926	636
RSCWE 6-3/11	3969915	636
RSCWE 6-3/12	3969927	636
RSCWE 6-3/13	3969916	636
RSCWE 6-3/14	3969928	636
RSCWE 6-3/2	3969917	636
RSCWE 6-3/3	3969918	636
RSCWE 6-3/3X10	3969929	636
RSCWE 6-3/4	3969920	636
RSCWE 6-3/4SL	1029994	644
RSCWE 6-3/4SL GN	1029997	644
RSCWE 6-3/5	3969921	636
RSCWE 6-3/6	3969922	636
RSCWE 6-3/6SL GN/BU	1090786	644
RSCWE 6-3/7	3969923	636
RSCWE 6-3/8	3969924	636
RSCWE 6-3/9	3969925	636
RT 3	3049013	379
RT 3 BU	3049110	379
RT 3-PE	3049411	379
RT 4-T-P/P	3000565	383
RT 5	3049026	381
RT 5 BU	3049123	381
RT 5-PE	3049424	381
RT 5-T	3049039	382
RT 8	3049042	385
RT 8 BU	3049148	385
RTO 3	3049518	379
RTO 3 BU	3049660	379
RTO 3-PE	3049615	379
RTO 3-PE-TC	3049958	379
RTO 3-TC	3049945	379
RTO 3-TC BU	3049835	379
RTO 4-T-TC	3000558	383
RTO 5	3049521	381
RTO 5 BU	3049767	381
RTO 5-PE	3049628	381
RTO 5-PE-TC	3049974	381
RTO 5-T	3049233	382
RTO 5-T-TC	3049990	382
RTO 5-TC	3049961	381
RTO 5-TC BU	3049851	381
RTO 8	3049343	385
RTO 8 BU	3049864	385
RTO 8-TC	3050002	385
RTO 8-TC BU	3049929	385

S

Type	Order No.	Page
S	0308359	519
S-ME 4	3035758	105
S-ME 6	3034439	116
S-MT	3247954	415
S-OTTA 6-T	0311199	566
S-URTK/SP	0311155	240
SB 2-8-T	3026366	240
SB 3-8-T	3026492	240
SB 4-8-T	3026379	240
SB 10-8-T SO	3026395	240
SB 2- 8/13	0202235	558
SB 2- 8/13 N	0200062	460
SB 2-RTK/S	0311236	519
SB 2-URTK/SP	0360012	525
SB 4-RTK/S	0311265	519
SB 4-URTK/SP	0360025	525
SB 6-T 2-8	3075842	176
SB 6-T 3-8	3075843	176
SB 6-T 4-8	3075844	176
SB-ME 2-6	3035755	105
SB-ME 2-8	3034468	116
SB-ME 3-6	3035756	105
SB-ME 3-8	3032800	116
SB-ME 4-6	3035757	105
SB-ME 4-8	3034484	116
SB-MER 2-8	3000587	407
SB-MER 3-8	3000588	407
SB-MER 4-8	3000589	407
SBP 6-T 2-8	3070321	520
SBP 6-T 3-8	3070322	520
SBP 6-T 4-8	3070323	520
SC 2,5-NS/ 1-L	3042340	316
SC 2,5-RZ/ 1-L	3042214	314
SC 2,5-RZ/ 1-L BU	3042227	314
SC 2,5-RZ/ 1-L GNYE	3042230	314
SC 2,5-RZ/ 2	3041516	314
SC 2,5-RZ/ 3	3041529	314
SC 2,5-RZ/ 4	3041532	314
SC 2,5-RZ/ 5	3041545	314
SC 2,5-RZ/ 6	3041558	314
SC 2,5-RZ/ 7	3041561	314
SC 2,5-RZ/ 8	3041574	314
SC 2,5-RZ/ 9	3041590	314
SC 2,5-RZ/10	3041587	314
SC 2,5-RZ/11	3041600	314
SC 2,5-RZ/12	3041613	314
SC 2,5-RZ/13	3041626	314
SC 2,5-RZ/14	3041639	314
SC 2,5-RZ/15	3041642	314
SC 2,5/ 1-L	3042188	313
SC 2,5/ 1-L BU	3042191	313
SC 2,5/ 1-L GNYE	3042201	313
SC 2,5/ 2	3041312	313
SC 2,5/ 3	3042269	313
SC 2,5/ 4	3042272	313
SC 2,5/ 5	3042285	313
SC 2,5/ 6	3042298	313
SC 2,5/ 7	3041367	313
SC 2,5/ 8	3042308	313
SC 2,5/ 9	3041383	313
SC 2,5/10	3042311	313
SC 2,5/11	3041406	313
SC 2,5/12	3042324	313
SC 2,5/13	3041422	313
SC 2,5/14	3041435	313
SC 2,5/15	3041448	313
SC 4-NS/ 1-L	3043404	343
SC 4-RZ/ 1-L	3043378	342
SC 4-RZ/ 1-L BU	3043381	342
SC 4-RZ/ 1-L GNYE	3043394	342
SC 4-RZ/ 2	3042625	342
SC 4-RZ/ 3	3042638	342
SC 4-RZ/ 4	3042641	342
SC 4-RZ/ 5	3042654	342
SC 4-RZ/ 6	3042667	342
SC 4-RZ/ 7	3042670	342
SC 4-RZ/ 8	3042683	342
SC 4-RZ/ 9	3042696	342
SC 4-RZ/10	3042706	342
SC 4-RZ/11	3043323	342
SC 4-RZ/12	3043336	342
SC 4-RZ/13	3043349	342
SC 4-RZ/14	3043352	342
SC 4-RZ/15	3043365	342
SC 4/ 1-L	3042599	341
SC 4/ 1-L BU	3042609	341
SC 4/ 1-L GNYE	3042612	341
SC 4/ 2	3042450	341
SC 4/ 3	3042463	341
SC 4/ 4	3042476	341
SC 4/ 5	3042489	341
SC 4/ 6	3042492	341
SC 4/ 7	3042502	341
SC 4/ 8	3042515	341
SC 4/ 9	3042528	341
SC 4/10	3042531	341
SC 4/11	3042544	341
SC 4/12	3042557	341
SC 4/13	3042560	341
SC 4/14	3042573	341
SC 4/15	3042586	341
SCBI 10-8,15	3245134	117
SCBI 10-8,15 ISO	3000417	117
SF-PZSL 1-80 S-VDE	1212699	580
SF-PZSL 2-100 S-VDE	1212700	581
SF-SL 0,6X3,5-100 S-VDE	1212587	148
SF-SL 0,8X4,0-100	1212551	383
SF-SL 0,8X4,0-100 S-VDE	1212588	520
SF-THEX 6-200	1212642	190
SF-THEX 8-200	1212643	196
SGSK 6	3029965	240
SHN 13	1209923	384
SHN 5.5	1209855	378
SHN 8	1209868	380
SK 5	3025338	596
SK 5-D	3025406	596
SK 8	3025163	596
SK 8-D	3026861	596
SK 14	3025176	596
SK 14-D	3026874	596
SK 20	3025189	596
SK 20-D	3026887	596
SK 28	3026997	596
SK 28-D	3027006	596
SK 35	3026463	596
SK 35-D	3026890	596
SKS 14	3240211	597
SKS 14-D	3240214	597
SKS 14-NS35	3240217	597
SKS 14-SNS35	3062799	597
SKS 20	3240212	597
SKS 20-D	3240215	597
SKS 20-NS35	3240218	597
SKS 20-SNS35	3062809	597
SKS 8	3240210	597
SKS 8-D	3240213	597
SKS 8-NS35	3240216	597
SKS 8-SNS35	3062786	597
SLKK 5	0461018	488
SLKK 5-LA 60 RD/U-O	0461034	488
SP 2,5/ 1	3040258	318
SP 2,5/ 1 BU	3040698	318
SP 2,5/ 1 GNYE	3040708	318
SP 2,5/ 1-L	3043019	318
SP 2,5/ 1-L BU	3043022	318
SP 2,5/ 1-L GNYE	3043035	318
SP 2,5/ 1-M	3043043	318
SP 2,5/ 1-M BU	3043051	318
SP 2,5/ 1-M GNYE	3043064	318
SP 2,5/ 1-R	3043077	318
SP 2,5/ 1-R BU	3043080	318
SP 2,5/ 1-R GNYE	3043093	318
SP 2,5/ 2	3040261	318
SP 2,5/ 3	3040274	318
SP 2,5/ 4	3040287	318
SP 2,5/ 5	3040290	318
SP 2,5/ 6	3040300	318
SP 2,5/ 7	3040313	318
SP 2,5/ 8	3040326	318
SP 2,5/ 9	3040339	318
SP 2,5/10	3040342	318
SP 2,5/11	3040355	318
SP 2,5/12	3040368	318
SP 2,5/13	3040371	318
SP 2,5/14	3040384	318
SP 2,5/15	3040397	318
SP 4/ 1	3042887	345
SP 4/ 1-L	3042751	345
SP 4/ 1-L BU	3042764	345
SP 4/ 1-L GNYE	3042777	345
SP 4/ 1-M	3042780	345
SP 4/ 1-M BU	3042793	345
SP 4/ 1-M GNYE	3042803	345
SP 4/ 1-R	3042816	345
SP 4/ 1-R BU	3042829	345
SP 4/ 1-R GNYE	3042832	345

Alphabetical

Type	Order No.	Page
SP 4/ 2	3042890	345
SP 4/ 3	3042900	345
SP 4/ 4	3042926	345
SP 4/ 5	3042939	345
SP 4/ 6	3042942	345
SP 4/ 7	3042955	345
SP 4/ 8	3042968	345
SP 4/ 9	3042971	345
SP 4/1 BU	3061033	345
SP 4/1 GNYE	3061046	345
SP 4/10	3042984	345
SP 4/11	3042997	345
SP 4/12	3043006	345
SP 4/13	3043718	345
SP 4/14	3043721	345
SP 4/15	3043734	345
SP-H 2,5/ 1	3210619	319
SP-H 2,5/ 1 BU	3210761	319
SP-H 2,5/ 1 GNYE	3210774	319
SP-H 2,5/ 1-L	3210787	319
SP-H 2,5/ 1-L BU	3210790	319
SP-H 2,5/ 1-L GNYE	3210800	319
SP-H 2,5/ 1-M	3210813	319
SP-H 2,5/ 1-M BU	3210826	319
SP-H 2,5/ 1-M GNYE	3210839	319
SP-H 2,5/ 1-R	3210842	319
SP-H 2,5/ 1-R BU	3210855	319
SP-H 2,5/ 1-R GNYE	3210868	319
SP-H 2,5/ 2	3210622	319
SP-H 2,5/ 3	3210635	319
SP-H 2,5/ 4	3210648	319
SP-H 2,5/ 5	3210651	319
SP-H 2,5/ 6	3210664	319
SP-H 2,5/ 7	3210677	319
SP-H 2,5/ 8	3210680	319
SP-H 2,5/ 9	3210693	319
SP-H 2,5/10	3210703	319
SP-H 2,5/11	3210716	319
SP-H 2,5/12	3210729	319
SP-H 2,5/13	3210732	319
SP-H 2,5/14	3210745	319
SP-H 2,5/15	3210758	319
SPB 2,5/ 1	3040106	321
SPB 2,5/ 1 BU	3040724	321
SPB 2,5/ 1 GNYE	3040711	321
SPB 2,5/ 1-L	3043103	321
SPB 2,5/ 1-L BU	3043116	321
SPB 2,5/ 1-L GNYE	3043129	321
SPB 2,5/ 1-M	3043132	321
SPB 2,5/ 1-M BU	3043145	321
SPB 2,5/ 1-M GNYE	3043158	321
SPB 2,5/ 1-R	3043161	321
SPB 2,5/ 1-R BU	3043174	321
SPB 2,5/ 1-R GNYE	3043187	321
SPB 2,5/ 2	3040119	321
SPB 2,5/ 3	3040122	321
SPB 2,5/ 4	3040135	321
SPB 2,5/ 5	3040143	321
SPB 2,5/ 6	3040151	321
SPB 2,5/ 7	3040164	321
SPB 2,5/ 8	3040177	321
SPB 2,5/ 9	3040180	321
SPB 2,5/10	3040193	321
SPB 2,5/11	3040203	321
SPB 2,5/12	3040216	321
SPB 2,5/13	3040229	321
SPB 2,5/14	3040232	321
SPB 2,5/15	3040245	321
SPDB 2,5/ 1	3040407	322
SPDB 2,5/ 1 BU	3040737	322
SPDB 2,5/ 1 GNYE	3040740	322
SPDB 2,5/ 1-L	3043190	322
SPDB 2,5/ 1-L BU	3043200	322
SPDB 2,5/ 1-L GNYE	3043213	322
SPDB 2,5/ 1-M	3043226	322
SPDB 2,5/ 1-M BU	3043239	322
SPDB 2,5/ 1-M GNYE	3043242	322
SPDB 2,5/ 1-R	3043255	322
SPDB 2,5/ 1-R BU	3043268	322
SPDB 2,5/ 1-R GNYE	3043271	322
SPDB 2,5/ 2	3040410	322
SPDB 2,5/ 3	3040423	322
SPDB 2,5/ 4	3040436	322
SPDB 2,5/ 5	3040449	322
SPDB 2,5/ 6	3040452	322
SPDB 2,5/ 7	3040465	322
SPDB 2,5/ 8	3040478	322
SPDB 2,5/ 9	3040481	322
SPDB 2,5/10	3040494	322
SPDB 2,5/11	3040504	322
SPDB 2,5/12	3040517	322
SPDB 2,5/13	3040520	322
SPDB 2,5/14	3040533	322
SPDB 2,5/15	3040546	322
SPV 2,5/ 1	3041710	320
SPV 2,5/ 1 BU	3061017	320
SPV 2,5/ 1 GNYE	3061020	320
SPV 2,5/ 1-L	3041024	320
SPV 2,5/ 1-L BU	3041037	320
SPV 2,5/ 1-L GNYE	3041040	320
SPV 2,5/ 1-M	3041053	320
SPV 2,5/ 1-M BU	3041066	320
SPV 2,5/ 1-M GNYE	3041079	320
SPV 2,5/ 1-R	3041082	320
SPV 2,5/ 1-R BU	3041095	320
SPV 2,5/ 1-R GNYE	3041105	320
SPV 2,5/ 2	3041723	320
SPV 2,5/ 3	3041736	320
SPV 2,5/ 4	3041749	320
SPV 2,5/ 5	3041752	320
SPV 2,5/ 6	3041765	320
SPV 2,5/ 7	3041778	320
SPV 2,5/ 8	3041781	320
SPV 2,5/ 9	3041794	320
SPV 2,5/10	3041804	320
SPV 2,5/11	3041817	320
SPV 2,5/12	3041820	320
SPV 2,5/13	3041833	320
SPV 2,5/14	3041846	320
SPV 2,5/15	3041859	320
SRDK 6	3029973	240
SRTK 6	3029952	240
SSK 0525 KER-EX	0501059	541
SSK 110 KER-EX	0502058	542
SSK 116 KER-EX	0503057	543
SSK 135 KER-EX	0505055	543
SSL 2,5	3043815	296
ST 1,5	3031076	207
ST 1,5 BU	3031089	207
ST 1,5-PE	3031513	207
ST 1,5-QUATTRO	3031186	207
ST 1,5-QUATTRO BU	3031199	207
ST 1,5-QUATTRO-PE	3031209	207
ST 1,5-QUATTRO-U	3038600	207
ST 1,5-TWIN	3031128	207
ST 1,5-TWIN BU	3031131	207
ST 1,5-TWIN-PE	3031144	207
ST 1,5/S-QUATTRO	3213124	208
ST 1-SI	0920326	498
ST 1-SILA 250	0920397	498
ST 1-SILED 24	0920384	498
ST 10	3036110	243
ST 10 BU	3036123	243
ST 10-PE	3036136	243
ST 10-TWIN	3035288	243
ST 10-TWIN BU	3035292	243
ST 10-TWIN-PE	3035302	243
ST 16	3036149	247
ST 16 BU	3036152	247
ST 16-PE	3036165	247
ST 16-TWIN	3035328	247
ST 16-TWIN BU	3035331	247
ST 16-TWIN-PE	3035344	247
ST 2,5	3031212	211
ST 2,5 BU	3031225	211
ST 2,5-3L	3036042	213
ST 2,5-3L BU	3038710	213
ST 2,5-3L-LA 24RD/O-M	3035580	213
ST 2,5-3PE	3036071	213
ST 2,5-3PV	3036068	213
ST 2,5-4L/1P	3041985	311
ST 2,5-4L/2P	3042007	311
ST 2,5-4L/2P-Z	3041998	311
ST 2,5-DIO/L-R	3036262	218
ST 2,5-DIO/R-L	3036518	218
ST 2,5-MT	3036343	217
ST 2,5-MT BU	3037818	217
ST 2,5-PCB/ 2-G-5,2	1980378	297
ST 2,5-PCB/ 3-G-5,2	1980381	297
ST 2,5-PCB/ 4-G-5,2	1980394	297
ST 2,5-PCB/ 5-G-5,2	1980404	297
ST 2,5-PCB/ 6-G-5,2	1980417	297
ST 2,5-PCB/ 7-G-5,2	1980420	297
ST 2,5-PCB/ 8-G-5,2	1980433	297
ST 2,5-PCB/ 9-G-5,2	1980446	297
ST 2,5-PCB/10-G-5,2	1980459	297
ST 2,5-PCB/11-G-5,2	1980462	297
ST 2,5-PCB/12-G-5,2	1980475	297
ST 2,5-PCBV/ 2-G-5,2	1980488	297
ST 2,5-PCBV/ 3-G-5,2	1980491	297
ST 2,5-PCBV/ 4-G-5,2	1980501	297
ST 2,5-PCBV/ 5-G-5,2	1980514	297
ST 2,5-PCBV/ 6-G-5,2	1980527	297
ST 2,5-PCBV/ 7-G-5,2	1980530	297
ST 2,5-PCBV/ 8-G-5,2	1980543	297
ST 2,5-PCBV/ 9-G-5,2	1980556	297
ST 2,5-PCBV/10-G-5,2	1980569	297
ST 2,5-PCBV/11-G-5,2	1980572	297
ST 2,5-PCBV/12-G-5,2	1980585	297
ST 2,5-PE	3031238	211
ST 2,5-PE/2PV	3038833	213
ST 2,5-PE/3L	3036055	213
ST 2,5-PE/3L/1P	3041969	311
ST 2,5-PE/L/L	3036097	213
ST 2,5-PE/L/N	3036084	213
ST 2,5-QUATTRO	3031306	211
ST 2,5-QUATTRO BU	3031319	211
ST 2,5-QUATTRO-DIO 1N 5408K/L-R	3002216	218
ST 2,5-QUATTRO-DIO 1N 5408K/R-L	3002214	218
ST 2,5-QUATTRO-DIO/L-R	3036233	218
ST 2,5-QUATTRO-DIO/R-L	3036534	218
ST 2,5-QUATTRO-MT	3036576	217
ST 2,5-QUATTRO-MT BU	3037834	217
ST 2,5-QUATTRO-PE	3031322	211
ST 2,5-QUATTRO-TG	3038451	216
ST 2,5-QUATTRO-U	3031636	211
ST 2,5-QUATTRO/2P	3040038	309
ST 2,5-QUATTRO/2P BU	3040669	309
ST 2,5-QUATTRO/2P-F	3209853	373
ST 2,5-QUATTRO/2P-FS	3061392	371
ST 2,5-QUATTRO/2P-PE	3040041	309
ST 2,5-QUATTRO/4P	3042159	293
ST 2,5-QUATTRO/4P BU	3042081	293
ST 2,5-QUATTRO/4P-F	3061208	373
ST 2,5-QUATTRO/4P-FS	3061402	371
ST 2,5-QUATTRO/4P-PE	3042162	293
ST 2,5-TG	3038435	216
ST 2,5-TWIN	3031241	211
ST 2,5-TWIN BU	3031254	211
ST 2,5-TWIN-DIO/L-R	3036246	218
ST 2,5-TWIN-DIO/R-L	3036521	218
ST 2,5-TWIN-MT	3036356	217
ST 2,5-TWIN-MT BU	3037821	217
ST 2,5-TWIN-MT/1P	3040766	310
ST 2,5-TWIN-PE	3031267	211
ST 2,5-TWIN-TG	3038448	216
ST 2,5-TWIN-TG/1P	3040847	310
ST 2,5-TWIN/ 1P	3042117	309
ST 2,5-TWIN/ 1P BU	3042104	309
ST 2,5-TWIN/ 1P-PE	3042120	309
ST 2,5-TWIN/1P-F	3209840	373
ST 2,5-TWIN/1P-FS	3061389	371
ST 2,5/ 1P	3040012	309
ST 2,5/ 1P BU	3040656	309
ST 2,5/ 1P-PE	3040025	309
ST 2,5/1P-F	3209837	373
ST 2,5/1P-FS	3061376	371
ST 2,5/2P	3042133	293
ST 2,5/2P BU	3042094	293
ST 2,5/2P-F	3061198	373
ST 2,5/2P-FS	3061415	371
ST 2,5/2P-PE	3042146	293
ST 35	3036178	249
ST 35 BU	3036181	249
ST 35-PE	3036194	249
ST 4	3031364	229
ST 4 BU	3031377	229
ST 4-FSI/C	3036372	231
ST 4-FSI/C-LED 12	3036495	231
ST 4-FSI/C-LED 24	3036505	231
ST 4-HEDI	3035140	231
ST 4-HESI (5X20)	3036369	231
ST 4-HESI (6,3X32)	3036385	231
ST 4-HESILA 250 (5X20)	3036563	231
ST 4-HESILA 250 (6,3X32)	3038778	231
ST 4-HESILED 24 (5X20)	3036547	231
ST 4-HESILED 24 (6,3X32)	3038765	231
ST 4-HESILED 60 (5X20)	3036550	231
ST 4-MT	3038875	232
ST 4-PCB/ 2-G-6,2	1980598	326
ST 4-PCB/ 3-G-6,2	1980608	326
ST 4-PCB/ 4-G-6,2	1980611	326
ST 4-PCB/ 5-G-6,2	1980624	326
ST 4-PCB/ 6-G-6,2	1980637	326
ST 4-PCB/ 7-G-6,2	1980640	326
ST 4-PCB/ 8-G-6,2	1980653	326
ST 4-PCB/ 9-G-6,2	1980666	326
ST 4-PCB/10-G-6,2	1980679	326
ST 4-PCB/11-G-6,2	1980682	326
ST 4-PCB/12-G-6,2	1980695	326
ST 4-PCBV/ 2-G-6,2	1980705	326
ST 4-PCBV/ 3-G-6,2	1980718	326
ST 4-PCBV/ 4-G-6,2	1980721	326
ST 4-PCBV/ 5-G-6,2	1980734	326
ST 4-PCBV/ 6-G-6,2	1980747	326
ST 4-PCBV/ 7-G-6,2	1980750	326
ST 4-PCBV/ 8-G-6,2	1980763	326
ST 4-PCBV/ 9-G-6,2	1980776	326
ST 4-PCBV/10-G-6,2	1980789	326
ST 4-PCBV/11-G-6,2	1980792	326
ST 4-PCBV/12-G-6,2	1980802	326
ST 4-PE	3031380	229
ST 4-PE/3L	3038338	230
ST 4-QUATTRO	3031445	229
ST 4-QUATTRO BU	3031458	229
ST 4-QUATTRO-DIO 1N 5408/L-R	3037782	232
ST 4-QUATTRO-DIO 1N 5408/R-L	3037795	232
ST 4-QUATTRO-PE	3031461	229
ST 4-QUATTRO-U	3038639	229
ST 4-QUATTRO/2P	3042845	339
ST 4-QUATTRO/2P BU	3042861	339
ST 4-QUATTRO/2P-PE	3042858	339
ST 4-QUATTRO/4CP	3042736	340
ST 4-TG	3038367	232
ST 4-TWIN	3031393	229
ST 4-TWIN BU	3031403	229
ST 4-TWIN-PE	3031416	229
ST 4/ 1P	3042719	339
ST 4/ 1P BU	3042874	339
ST 4/ 1P-PE	3042722	339
ST 4/ 2P	3042735	325
ST 4/ 2P BU	3043789	325
ST 4/ 2P-PE	3042748	325
ST 6	3031487	237
ST 6 BU	3031490	237
ST 6-PE	3031500	237
ST 6-TWIN	3036466	237
ST 6-TWIN BU	3036479	237
ST 6-TWIN-PE	3036482	237
ST-1N4007	2802329	508
ST-B250C1500	2802345	508
ST-BE	2802316	508
ST-BE-LA 24	2802374	508
ST-BE-LA230	2802387	508
ST-K 4	5025462	508
ST-SI	0920229	498
ST-SI-UK 4	0921011	508
ST-SILA250	0920287	498
ST-SILA250-UK 4	0921053	508
ST-SILED 12-UK 4	0921024	508

Type	Order No.	Page
ST-SILED 24	0920452	498
ST-SILED 24-UK 4	0921037	508
ST-SILED 60-UK 4	0921040	508
ST-T	0920216	498
STG-MTN 0,5-1,0	3190438	294
STG-MTN 1,5-2,5	3190506	294
STIO 2,5/3-2B/L	3209015	214
STIO 2,5/3-2B/L-LA24GN/O-M	3209031	214
STIO 2,5/3-2B/L-LA24RD/O-M	3209028	214
STIO 2,5/3-PE/B/L	3209044	214
STIO 2,5/3-PE/B/L-LA24GN/O-M	3209141	214
STIO 2,5/3-PE/B/L-LA24RD/O-M	3209138	214
STIO 2,5/4-3B/L	3209057	215
STIO 2,5/4-3B/L-LA24GN/O-M	3209167	215
STIO 2,5/4-3B/L-LA24RD/O-M	3209154	215
STIO 2,5/4-PE/2B/L	3209060	215
STIO 2,5/4-PE/2B/L-LA24GN/O-M	3209183	215
STIO 2,5/4-PE/2B/L-LA24RD/O-M	3209170	215
STIO-IN 2,5/3 OG	3209196	214
STIO-IN 2,5/3-PE OG	3209086	214
STIO-IN 2,5/4 OG	3209206	215
STIO-IN 2,5/4-PE OG	3209109	215
STME 6	3035700	238
STME 6 HV	3035693	237
STME 6 HV BU	3035694	237
STME 6-BE	3035688	239
STME 6-DIO/L-R HV	3035691	239
STME 6-DIO/R-L HV	3035692	239
STMED 6	3035713	238
STMED 6-PE	3035726	238
STP 3,5-2	0830131	418
STP 3,5-3	0830132	418
STP 4-2	0810575	418
STP 4-2-ZB	3038613	418
STP 5-2	0800967	418
STP 5-2-ZB	3037643	418
STP 5-2/S	0800970	418
STP 5-3	0810562	418
STS 2,5	3036398	221
STS 2,5 BU	3036408	221
STS 2,5-MT	3036990	222
STS 2,5-MT BU	3035425	222
STS 2,5-PE	3036411	221
STS 2,5-QUATTRO	3031746	221
STS 2,5-QUATTRO BU	3036288	221
STS 2,5-QUATTRO-PE	3031759	221
STS 2,5-TG	3037009	222
STS 2,5-TWIN	3031720	221
STS 2,5-TWIN BU	3036275	221
STS 2,5-TWIN-PE	3031733	221
STS 4	3036424	233
STS 4 BU	3036437	233
STS 4-PE	3036440	233
STS 4-QUATTRO	3031681	234
STS 4-QUATTRO BU	3036301	234
STS 4-QUATTRO-PE	3031694	234
STS 4-TWIN	3031665	233
STS 4-TWIN BU	3036291	233
STS 4-TWIN-PE	3031678	233
STS 4-TWIN/L	3036592	234
STS 4-TWIN/L BU	3036589	234
STS 6	3038121	239
STS 6 BU	3038134	239
STS 6-PE	3038147	239
STS 6-TWIN	3038150	239
STS 6-TWIN BU	3038163	239
STS 6-TWIN-PE	3038176	239
STTB 1,5	3031157	208
STTB 1,5 BU	3031160	208
STTB 1,5-PE	3036013	208
STTB 1,5-PV	3031526	208
STTB 2,5	3031270	212
STTB 2,5 BU	3031283	212
STTB 2,5-2DIO/O-UL/O-UR	3031597	219
STTB 2,5-2DIO/O-UL/UR-UL	3031584	219
STTB 2,5-DIO/O-U	3031555	219
STTB 2,5-DIO/U-O	3031563	219
STTB 2,5-DIO/UL-UR	3031571	219
STTB 2,5-L/N	3036330	212
STTB 2,5-LA 24 RD	3031607	219
STTB 2,5-LA 60 RD	3031610	219
STTB 2,5-LA230	3031623	219
STTB 2,5-PE	3036026	212
STTB 2,5-PE/L	3036314	212
STTB 2,5-PE/N	3036327	212
STTB 2,5-PT100 MD	3035564	220
STTB 2,5-PV	3031539	212
STTB 2,5-PV BU	3035108	212
STTB 2,5-TWIN	3038516	212
STTB 2,5-TWIN BU	3038529	212
STTB 2,5-TWIN-PE	3038532	212
STTB 2,5-TWIN-PV	3038545	212
STTB 2,5/2P	3040054	309
STTB 2,5/2P BU	3040672	309
STTB 2,5/2P BU SO	3040902	310
STTB 2,5/2P SO	3040892	310
STTB 2,5/2P-F	3061169	373
STTB 2,5/2P-FS	3061428	371
STTB 2,5/2P-PE	3040067	309
STTB 2,5/2P-PE SO	3040915	310
STTB 2,5/2P-PV	3040070	309
STTB 2,5/2P-PV BU	3040685	309
STTB 2,5/2P-PV SO	3040928	310
STTB 2,5/4P	3061486	293
STTB 2,5/4P BU	3061512	293
STTB 2,5/4P-PE	3061499	293
STTB 2,5/4P-PV	3061509	293
STTB 4	3031429	230
STTB 4 BU	3031432	230
STTB 4-PE	3036039	230
STTB 4-PV	3031542	230
STTBS 2,5	3038464	221
STTBS 2,5 BU	3038493	221
STTBS 2,5-PE	3038480	221
STTBS 2,5-PV	3038477	221
STTBS 2,5-PV BU	3035289	221
STTBS 4	3035056	234
STTBS 4 BU	3035069	234
STTBS 4-MT	3035470	235
STTBS 4-MT BU	3035522	235
STTBS 4-PE	3035072	234
STTBS 4-PV	3035085	234
STTBS 4-TG	3035483	235
STTBU 4	3033155	233
STTBU 4 BU	3033168	233
STTBU 4-PE	3033171	233
STTBU 4-PV	3033184	233
STU 10/ 4X2,5	3033139	244
STU 10/ 4X2,5 BU	3033142	244
STU 2,5-TWIN	3033016	220
STU 2,5-TWIN BU	3033029	220
STU 2,5-TWIN-PE	3033032	220
STU 35/ 4X10	3033126	249
STU 35/ 4X10 BU	3033210	249
STU 4-TWIN	3033058	233
STU 4-TWIN BU	3033061	233
STU 4-TWIN-PE	3033074	233
SZF 0-0,4X2,5	1204504	38
SZF 1-0,6X3,5	1204517	70
SZF 2-0,8X4,0	1204520	110
SZF 3-1,0X5,5	1206612	120
SZG 0,6X3,5 VDE	1205121	507
SZG 0,9X6,5 VDE	1205134	388
SZK PH2 VDE	1205163	569
SZS 0,4X2,5 VDE	1205037	458
SZS 0,6X3,5	1205053	563
SZS 1,0X4,0 VDE	1205066	172
SZS 1,0X6,5 VDE	1205079	184
SZS 1,2X8,0 VDE	1205082	188

T

Type	Order No.	Page
TM-PTRV 4,QR:1-4	0803464	49
TM-PTRV 4,QR:4-1	0803465	49
TM-PTRV 4,QR:A-D	0803466	49
TM-PTRV 4,QR:D-A	0803467	49
TM-PTRV 8,QR:1-8	0803468	53
TM-PTRV 8,QR:8-1	0803470	53
TM-PTRV 8,QR:A-H	0803471	53
TM-PTRV 8,QR:H-A	0803473	53
TPN-UK	3003062	504
TPNS-UK	0706647	545
TPS 3/20/5	3246586	117
TS-GSK	0304214	517
TS-K	1302215	459
TS-KK 3	2770215	387
TS-KK 3 SO	2778534	560
TS-RTK	0310211	519
TS-RTK-BEN	0308210	519
TS-UK 6-T	3072820	176
TS-URTK/SS	0321213	517
TS-USST 4/10	3070383	545
TZ	0306704	508

U

Type	Order No.	Page
UBAL 150	1086498	585
UBAL 150 BK	1086502	585
UBAL 150 BN	1086503	585
UBAL 150 BU	1086499	585
UBAL 150 FE	1086504	585
UBAL 150 GN	1086501	585
UBAL 240	1086505	585
UBAL 240 BK	1086508	585
UBAL 240 BN	1086509	585
UBAL 240 BU	1086506	585
UBAL 240 FE	1086510	585
UBAL 240 GN	1086507	585
UBAL 50	1086465	583
UBAL 50 BK	1086469	583
UBAL 50 BN	1086470	583
UBAL 50 BU	1086466	583
UBAL 50 FE	1086471	583
UBAL 50 GN	1086468	583
UBAL 95	1086475	584
UBAL 95 BK	1086478	584
UBAL 95 BN	1086479	584
UBAL 95 BU	1086476	584
UBAL 95 FE	1086480	584
UBAL 95 GN	1086477	584
UDB 2X25/16 BK	3071356	580
UDB 2X25/16 BN	3071357	580
UDB 2X25/16 BU	3071358	580
UDB 2X25/16 GN	3071359	580
UDB 2X25/16 GY	3071355	580
UDB 2X35/25 BK	3071351	581
UDB 2X35/25 BN	3071352	581
UDB 2X35/25 BU	3071353	581
UDB 2X35/25 GN	3071354	581
UDB 2X35/25 GY	3071350	581
UDK 3	2775375	470
UDK 3 BU	2718277	470
UDK 3-PE	2775456	471
UDK 4	2775016	471
UDK 4 BU	2775090	471
UDK 4-DUR	2775207	530
UDK 4-DUR 249	2775249	530
UDK 4-ILA 500	2775061	531
UDK 4-MTK-P/P	2775210	514
UDK 4-MTK-P/P BU	2775223	514
UDK 4-PE	2775184	471
UDK 4-TG	2777014	507
UDMTK 5-P/P	3101087	515
UDMTK 5-P/P BU	3101113	515
UDMTK 5-TWIN-P/P	3101126	515
UDMTK 5-TWIN-P/P BU	3101139	515
UDMTKB 5-P/P	3024478	515
UGSK 6	3026285	523
UGSK/S	0305080	517
UGSK/S + GS	0313085	517
UHK 4-FS(8-2,8-0,8)	2017237	535
UHK 4-FS/FS(12-2,8-0,8)	2017224	535
UHSK/S 2000	0704076	460
UHV -E	2130428	574
UHV -TP1	2130402	574
UHV -TP2	2130415	575
UHV 25-AH	2130431	574
UHV 25-AS/AS	2130004	574
UHV 25-KH/AS	2130101	574
UHV 25-KH/KH	2130156	574
UHV 25-VS 2	2130541	574
UHV 25-VS 3	2130554	574
UHV 50-AH	2130444	574
UHV 50-AS/AS	2130017	574
UHV 50-KH/AS	2130114	574
UHV 50-KH/KH	2130169	574
UHV 50-VS 2	5030897	574
UHV 50-VS 3	2130622	574
UHV 95-AH	2130457	575
UHV 95-AS/AS	2130020	575
UHV 95-KH/AS	2130127	575
UHV 95-KH/KH	2130172	575
UHV 95-VS 2	2130635	575
UHV 95-VS 3	2130648	575
UHV150-AH	2130460	575
UHV150-AS/AS	2130033	575
UHV150-KH/AS	2130130	575
UHV150-KH/KH	2130185	575
UHV150-VS 2	2130651	575
UHV150-VS 3	2130664	575
UHV240-AH	2130473	575
UHV240-AS/AS	2130046	575
UHV240-KH/AS	2130143	575
UHV240-KH/KH	2130198	575
UHV240-VS 2	2130677	575
UHV240-VS 3	2130680	575
UK 1,5 N	3005837	458
UK 1,5 N BU	3005840	458
UK 2,5 N	3003347	459
UK 2,5 N BU	3003350	459
UK 3 N	3001501	459
UK 3 N BU	3001514	459
UK 3-TWIN	3002225	466
UK 3-TWIN BU	3002416	466
UK 3-TWIN-PE	1923128	468
UK 5 N	3004362	459
UK 5 N BU	3004388	459
UK 5-HESI	3004100	492
UK 5-HESILA 250	3004142	492
UK 5-HESILED 24	3004126	492
UK 5-MTK	3004430	513
UK 5-MTK-P/P	3004032	513
UK 5-MTK-P/P BU	3004058	513
UK 5-TWIN	1923021	467
UK 5-TWIN BU	1923047	467
UK 5-TWIN-PE	1923076	469
UK 6 N	3004524	460
UK 6 N BU	3004977	460
UK 6,3-HESI	3004171	493
UK 6,3-HESILA 250	3004249	493
UK 6,3-HESILED 24	3004265	493
UK 6-FSI/C	3118203	499
UK 6-FSI/C-LED12	3001925	499
UK 6-FSI/C-LED24	3001938	499
UK 10 N	3005073	461
UK 10 N BU	3005086	461
UK 10,3-CC HESI A	1045682	501
UK 10,3-CC HESI A 2POL	1045693	501
UK 10,3-CC HESI A 3POL	1045698	501
UK 10,3-CC HESILED A 600V	1045716	501
UK 10,3-CC HESILED A 600V 2POL	1045718	501
UK 10,3-CC HESILED A 600V 3POL	1045719	501
UK 10,3-HESI A 1500V	1069842	504
UK 10,3-HESI A	1045676	500
UK 10,3-HESI A 1000V	1045720	502
UK 10,3-HESILED A 1000V	1045723	502
UK 10,3-HESILED A 690V	1045690	500
UK 10-DREHSI (5X20)	3005109	496
UK 10-DREHSI (6,3X32)	3005507	497
UK 10-DREHSI/K (5X25)	3005688	497
UK 10-DREHSILA 250 (5X20)	3005170	496
UK 10-DREHSILA 250 (6,3X32)	3005662	497

Alphabetical

Type	Order No.	Page
UK 10-DREHSILED 12 (5X20)	3005112	496
UK 10-DREHSILED 24 (5X20)	3005138	496
UK 10-DREHSILED 24 (6,3X32)	3005646	497
UK 10-DREHSILED 60 (5X20)	3005154	496
UK 10-PLUS	3001381	467
UK 10-PLUS BU	3001475	467
UK 10-PLUS-PE	3001420	469
UK 10-TWIN	3005196	467
UK 10-TWIN BU	3005235	467
UK 10-TWIN-PE	3001433	469
UK 16 N	3006043	461
UK 16 N BU	3006056	461
UK 35 N	3074130	461
UK 35 N BU	3058350	461
UK 4-SD	3246861	526
UK 5 N-MT	3000563	513
UK 5 N-TG	3000604	509
UK 5-HEDI N	3000564	491
UK 5-HEDI N GY	3000752	491
UK 5-HESI N	3000539	490
UK 5-HESILA 250 N	3000542	490
UK 5-HESILED 24 N	3000540	490
UK 5-HESILED 60 N	3000541	490
UK 5-MTD N	3000562	491
UK 6-T	3072803	521
UK 6-T-P	3072800	520
UK 6-TK-P	3072804	521
UK-SI	3118012	498
UK-SI BU	3118096	498
UKD 6	3072801	521
UKH 50	3009118	189
UKH 50 BU	3009105	189
UKH 50 EP	3009228	188
UKH 50-F	3247019	189
UKH 95	3010013	195
UKH 95 BU	3010136	195
UKH 95 EP	3009231	194
UKH 95-F	3247022	195
UKH 150	3010110	197
UKH 150 1500V	3247433	197
UKH 150 1500V BU	3247434	197
UKH 150 BU	3010123	197
UKH 150-F	3247035	197
UKH 150/240 EP	3009244	196
UKH 240	3010217	199
UKH 240 BU	0711852	199
UKH 240-F	3247048	199
UKH 50 1500V	3247400	189
UKH 50 1500V BU	3247402	189
UKH 70	3213140	191
UKH 70 1500V	3247461	191
UKH 70 BU	3244601	191
UKH 70-3L	3076329	191
UKH 70-3L-F	3076484	191
UKH 70-3L/FE	3076400	191
UKH 70-3L/FE-F	3076565	191
UKH 70-3L/N	3076361	191
UKH 70-3L/N-F	3076523	191
UKH 70-3L/N/FE	3076442	191
UKH 70-3L/N/FE-F	3076604	191
UKH 70-F	3247051	191
UKH 70-PE/S	3213141	191
UKH 70/4X10	3213142	192
UKH 70/4X10 BU	3213143	192
UKH 70/4X10-PE	3213144	193
UKH 95 1500V	3247419	195
UKH 95 1500V BU	3247420	195
UKK 3	2770011	472
UKK 3 BU	2770095	472
UKK 4-FS	2770561	538
UKK 4-FS/FS	2771133	539
UKK 5	2774017	473
UKK 5 BU	2774091	473
UKK 5-2 BE	3048030	528
UKK 5-2DIO/O-UL/UR-UL	2791113	528
UKK 5-BE	3048027	528
UKK 5-DIO/O-U	2791016	528
UKK 5-DIO/U-O	2791032	528
UKK 5-DIO/UL-UR	2791029	528
UKK 5-HESI (5X20)	3007204	494
UKK 5-HESI (6,3X32)	3007217	495
UKK 5-HESILED 24 (5X20)	3026654	494
UKK 5-HESILED 24 (6,3X32)	0711632	495
UKK 5-LA 230	2791359	529
UKK 5-LA 24 RD/U-O	2791320	529
UKK 5-MTK-P/P	2800004	514
UKK 5-MTK-P/P-LA 24RD/O-U	2800020	514
UKK 5-MTKD-P/P	2800017	514
UKK 5-PE	2774211	475
UKK 5-PV	2791388	473
UKK 5-TG	3007042	507
UKKB 3	2771010	472
UKKB 3 BU	2771094	472
UKKB 5	2771146	473
UKKB 5 BU	3216053	473
UKKB 5-PE	3007123	475
UKKB 10	2772077	474
UKKB 10-PV	3003567	474
UKKB 10/2,5	2771007	474
UKKB 10/2,5-PV	2775485	474
UP 4-4CT	3208720	334
UP 4-4VT	3208721	334
UP 4/ 1	3060115	336
UP 4/ 1 BU	3045282	336
UP 4/ 1 GNYE	3045295	336
UP 4/ 1-L	3060021	336
UP 4/ 1-L BU	3060034	336
UP 4/ 1-L GNYE	3060047	336
UP 4/ 1-M	3060050	336
UP 4/ 1-M BU	3060063	336
UP 4/ 1-M GNYE	3060076	336
UP 4/ 1-R	3060089	336
UP 4/ 1-R BU	3060092	336
UP 4/ 1-R GNYE	3060102	336
UP 4/ 2	3060128	336
UP 4/ 3	3060131	336
UP 4/ 4	3060144	336
UP 4/ 5	3060157	336
UP 4/ 6	3060160	336
UP 4/ 7	3060173	336
UP 4/ 8	3060186	336
UP 4/ 9	3060199	336
UP 4/10	3060209	336
UP 4/11	3060212	336
UP 4/12	3060225	336
UP 4/13	3060238	336
UP 4/14	3060241	336
UP 4/15	3060254	336
UP 6/ 1	3060610	356
UP 6/ 1 BU	3060717	356
UP 6/ 1 GNYE	3060720	356
UP 6/ 1-L	3060733	357
UP 6/ 1-L BU	3060746	357
UP 6/ 1-L GNYE	3060759	357
UP 6/ 1-M	3060762	357
UP 6/ 1-M BU	3060775	357
UP 6/ 1-M GNYE	3060788	357
UP 6/ 1-R	3060791	357
UP 6/ 1-R BU	3060801	357
UP 6/ 1-R GNYE	3060814	357
UP 6/ 2	3060623	356
UP 6/ 3	3060636	356
UP 6/ 4	3060649	356
UP 6/ 5	3060652	356
UP 6/ 6	3060665	356
UP 6/ 7	3060678	356
UP 6/ 8	3060681	356
UP 6/ 9	3060694	356
UP 6/10	3060704	356
UPBV 2,5/ 1	3045145	306
UPBV 2,5/ 1 BU	3045240	306
UPBV 2,5/ 1 GNYE	3045253	306
UPBV 2,5/ 1-L	3045318	307
UPBV 2,5/ 1-L BU	3045321	307
UPBV 2,5/ 1-L GNYE	3045334	307
UPBV 2,5/ 1-M	3045347	307
UPBV 2,5/ 1-M BU	3045350	307
UPBV 2,5/ 1-M GNYE	3045363	307
UPBV 2,5/ 1-R	3045376	307
UPBV 2,5/ 1-R BU	3045389	307
UPBV 2,5/ 1-R GNYE	3045392	307
UPBV 2,5/ 2	3045402	306
UPBV 2,5/ 3	3045415	306
UPBV 2,5/ 4	3045428	306
UPBV 2,5/ 5	3045431	306
UPBV 2,5/ 6	3045444	306
UPBV 2,5/ 7	3045457	306
UPBV 2,5/ 8	3045460	306
UPBV 2,5/ 9	3045473	306
UPBV 2,5/10	3045499	306
UPBV 2,5/11	3045509	306
UPBV 2,5/12	3045512	306
UPBV 2,5/13	3045525	306
UPBV 2,5/14	3045538	306
UPBV 2,5/15	3045541	306
UPBV 4/ 1	3045800	335
UPBV 4/ 1 BU	3045266	335
UPBV 4/ 1 GNYE	3045279	335
UPBV 4/ 1-L	3045716	335
UPBV 4/ 1-L BU	3045729	335
UPBV 4/ 1-L GNYE	3045732	335
UPBV 4/ 1-M	3045745	335
UPBV 4/ 1-M BU	3045758	335
UPBV 4/ 1-M GNYE	3045761	335
UPBV 4/ 1-R	3045774	335
UPBV 4/ 1-R BU	3045787	335
UPBV 4/ 1-R GNYE	3045790	335
UPBV 4/ 2	3045813	335
UPBV 4/ 3	3045826	335
UPBV 4/ 4	3045839	335
UPBV 4/ 5	3045842	335
UPBV 4/ 6	3045855	335
UPBV 4/ 7	3045868	335
UPBV 4/ 8	3045871	335
UPBV 4/ 9	3045884	335
UPBV 4/10	3045897	335
UPBV 4/11	3045907	335
UPBV 4/12	3045910	335
UPBV 4/13	3045923	335
UPBV 4/14	3045936	335
UPBV 4/15	3045949	335
UPCT 4/2	3057461	332
UPCT 4/3	3057458	332
UPR/ 2	3045567	363
UPRZ	3045570	363
UPZ/ 2	3045554	362
URDK 6	3026706	523
URTK 6	3026272	523
URTK/S	0311087	519
URTK/S-BEN 10	0309109	519
URTK/SP	0311126	525
URTK/SS	0321019	517
URTKD/SP	0311142	525
USB 2-RTK/S	0311278	519
USBR 2-11	3001356	567
USBR 2-7	2303239	459
USIG	0920083	498
USIG BU	0920122	498
USK 4-FS/FS(8-2,8-0,8)	0271017	537
USK 4-FSR(4-2,8-0,8)	0270018	537
USLKG 1,5 N	3005853	462
USLKG 10 N	3003923	464
USLKG 10 N-1	0442082	464
USLKG 16 N	0443023	465
USLKG 16 N-1	0443036	465
USLKG 2,5 N	0441119	462
USLKG 2,5 N-1	0443081	462
USLKG 3	0441083	463
USLKG 3-1	0441106	463
USLKG 35 N	3074143	465
USLKG 5	0441504	463
USLKG 5-1	0441517	463
USLKG 50	0443049	189
USLKG 6 N	0442079	463
USLKG 6 N-1	0444048	463
USLKG 95	0441041	195
USST 10	3070354	546
USST 4	3070338	545
USST 4-MT	3070300	547
USST 4-MT P/P	3070302	547
USST 4-TG	3070301	547
USST 4-TG P/P	3070303	547
USST 6	3070341	546
USST 6-T	3070312	548
USST 6-T/SB	3070310	550
USST 6-T/SP	3070330	551
USSTD 6	3070325	549
USSTD 6/SP	3070331	551
UT 10	3044160	183
UT 10 BU	3044188	183
UT 10-PE	3044173	183
UT 16	3044199	185
UT 16 BU	3044209	185
UT 16-PE	3044212	185
UT 16-PE/S	3215915	185
UT 2,5	3044076	149
UT 2,5 BU	3044089	149
UT 2,5-3L	3214259	150
UT 2,5-3L BU	3002389	150
UT 2,5-3L-LA24RD/O-M	3214288	150
UT 2,5-3PE	3214275	150
UT 2,5-3PV	3214262	150
UT 2,5-MT	3046362	152
UT 2,5-MT BU	3046553	152
UT 2,5-MT P/P BU	3046566	152
UT 2,5-MT-P/P	3046375	152
UT 2,5-MTD	3064085	153
UT 2,5-MTD BU	3064108	153
UT 2,5-MTD P/P	3064098	153
UT 2,5-MTD-DIO/L-R	3064137	153
UT 2,5-MTD-DIO/R-L	3064140	153
UT 2,5-MTD-PE	3064124	153
UT 2,5-PE	3044092	149
UT 2,5-PE/L/L	3214301	150
UT 2,5-PE/L/N	3214291	150
UT 2,5-QUATTRO	3044542	149
UT 2,5-QUATTRO BU	3044555	149
UT 2,5-QUATTRO-PE	3044568	149
UT 2,5-TG	3046388	151
UT 2,5-TG BU	3046579	151
UT 2,5-TG-P/P	3046391	151
UT 2,5-TG-P/P BU	3046582	151
UT 2,5-TWIN	3044513	149
UT 2,5-TWIN BU	3044526	149
UT 2,5-TWIN-PE	3044539	149
UT 2,5-TWIN/1P	3060490	303
UT 2,5-TWIN/1P BU	3060500	303
UT 2,5-TWIN/1P-F	3061172	373
UT 2,5-TWIN/1P-PE	3060513	303
UT 2,5/1P	3045017	303
UT 2,5/1P BU	3045020	303
UT 2,5/1P-F	3060445	373
UT 2,5/1P-PE	3045033	303
UT 35	3044225	187
UT 35 BU	3044238	187
UT 35-PE	3044241	187
UT 35-PE/S	3215928	187
UT 4	3044102	159
UT 4 BU	3044115	159
UT 4-HEDI	3046249	161
UT 4-HEDI-P/P	3046252	161
UT 4-HESI (5X20)	3046032	161
UT 4-HESILA 250 (5X20)	3046100	161
UT 4-HESILED 24 (5X20)	3046090	161
UT 4-HESILED 24 (5X20) 120KOHM	3248005	161
UT 4-HESILED 60 (5X20)	3046126	161
UT 4-L	3214363	160
UT 4-L/HESI (5X20)	3214325	162
UT 4-L/HESILA 250 (5X20)	3214368	162
UT 4-L/HESILED 24 (5X20)	3214366	162
UT 4-L/HESILED 60 (5X20)	3214367	162
UT 4-L/L	3214362	160
UT 4-MT	3046139	165
UT 4-MT BU	3046278	165
UT 4-MT-EX	3046141	165
UT 4-MT-P/P	3046171	165
UT 4-MT-P/P BU	3046265	165
UT 4-MT-P/P-EX	3046173	165
UT 4-MTD	3046184	168
UT 4-MTD BU	3046197	168

Type	Order No.	Page
UT 4-MTD-DIO/L-R	3046210	168
UT 4-MTD-DIO/R-L	3046236	168
UT 4-MTD-PE	3046223	168
UT 4-MTD-PE/S	3046207	168
UT 4-MTL	3046144	166
UT 4-MTL KNIFE-RD	3046152	166
UT 4-MTL KNIFE-WH	3046148	166
UT 4-MTL-P/P	3046146	166
UT 4-MTL-P/P KNIFE-RD	3046154	166
UT 4-MTL-P/P KNIFE-WH	3046150	166
UT 4-PE	3044128	159
UT 4-PE/HEDI	3074004	161
UT 4-PE/HESI (5X20)	3073995	161
UT 4-PE/HESI LA 250 (5X20)	3070079	161
UT 4-PE/HESI LED 24 (5X20)	3070053	161
UT 4-PE/HESILED 60 (5X20)	3070066	161
UT 4-PE/L-DIO/L-R P/P	3046834	168
UT 4-PE/L-DIO/R-L P/P	3046235	168
UT 4-PE/L/HEDI	3214324	162
UT 4-PE/L/HESI (5X20)	3214320	162
UT 4-PE/L/HESILED 24 (5X20)	3214321	162
UT 4-PE/L/HESILED 250 (5X20)	3214323	162
UT 4-PE/L/HESILED 60 (5X20)	3214322	162
UT 4-PE/L/L	3214360	160
UT 4-PE/L/MT	3214364	162
UT 4-PE/L/N	3214361	160
UT 4-PE/L/TG	3214365	162
UT 4-PE/MT	3070011	167
UT 4-PE/MT P/P	3046140	167
UT 4-PE/TG	3070024	164
UT 4-PE/TG P/P	3070037	164
UT 4-QUATTRO	3044571	159
UT 4-QUATTRO BU	3044584	159
UT 4-QUATTRO HV	3048823	160
UT 4-QUATTRO HV BU	3048836	160
UT 4-QUATTRO-MT	3064043	166
UT 4-QUATTRO-MT BU	3073050	166
UT 4-QUATTRO-MT P/P	3064056	166
UT 4-QUATTRO-MT P/P BU	3073063	166
UT 4-QUATTRO-PE	3044597	159
UT 4-QUATTRO-TG	3064027	164
UT 4-QUATTRO-TG BU	3073076	164
UT 4-QUATTRO-TG P/P	3064030	164
UT 4-QUATTRO-TG P/P BU	3073089	164
UT 4-QUATTRO/ 2P	3060296	329
UT 4-QUATTRO/ 2P BU	3060306	329
UT 4-QUATTRO/ 2P-F	3060335	373
UT 4-QUATTRO/ 2P-PE	3060319	329
UT 4-TG	3046142	163
UT 4-TG BU	3073283	163
UT 4-TG-EX	3046143	163
UT 4-TG-P/P	3046168	163
UT 4-TG-P/P BU	3073296	163
UT 4-TG-P/P-EX	3046169	163
UT 4-TWIN	3044364	159
UT 4-TWIN BU	3044500	159
UT 4-TWIN HV	3000608	159
UT 4-TWIN-MT	3046003	166
UT 4-TWIN-MT BU	3073018	166
UT 4-TWIN-MT P/P	3064014	166
UT 4-TWIN-MT P/P BU	3073021	166
UT 4-TWIN-PE	3044380	159
UT 4-TWIN-TG	3046595	164
UT 4-TWIN-TG BU	3073034	164
UT 4-TWIN-TG P/P	3046605	164
UT 4-TWIN-TG P/P BU	3073047	164
UT 4-TWIN/ 1P	3060267	329
UT 4-TWIN/ 1P BU	3060270	329
UT 4-TWIN/ 1P-F	3060322	373
UT 4-TWIN/ 1P-PE	3060283	329
UT 4/ 1P	3045583	329
UT 4/ 1P BU	3045596	329
UT 4/ 1P-F	3060458	373
UT 4/ 1P-H	3001369	329
UT 4/ 1P-H-PE	3001372	329
UT 4/ 1P-PE	3045606	329
UT 6	3044131	173
UT 6 BU	3044144	173
UT 6-3L	3046703	173
UT 6-HESI (6,3X32)	3046401	173
UT 6-HESILA 250 (6,3X32)	3046430	173
UT 6-HESILED 24 (6,3X32)	3046414	173
UT 6-HESILED 60 (6,3X32)	3046427	173
UT 6-MT	3064069	175
UT 6-MT BU	3073267	175
UT 6-MT P/P	3064072	175
UT 6-MT P/P BU	3073270	175
UT 6-MTL	3046145	175
UT 6-MTL KNIFE-RD	3046153	175
UT 6-MTL KNIFE-WH	3046149	175
UT 6-MTL P/P	3046147	175
UT 6-MTL P/P KNIFE-WH	3046151	175
UT 6-MTL-P/P KNIFE-RD	3046155	175
UT 6-PE	3044157	173
UT 6-QUATTRO/2P	3060568	355
UT 6-QUATTRO/2P BU	3060571	355
UT 6-QUATTRO/2P-F	3060843	373
UT 6-QUATTRO/2P-PE	3060584	355
UT 6-T-HV	3070134	176
UT 6-T-HV P/P	3070121	176
UT 6-T/SP	3072815	176
UT 6-TG	3046485	174
UT 6-TG BU	3073856	174
UT 6-TG P/P	3073869	174
UT 6-TG P/P BU	3073872	174
UT 6-TG P/P-EX	3073870	174
UT 6-TG-EX	3046486	174
UT 6/1P	3060539	355
UT 6/1P BU	3060542	355
UT 6/1P-PE	3060555	355
UTD 6/SP	3072817	176
UTI 16	3073827	185
UTI 16 BU	3075728	185
UTI 16-PE	3073830	185
UTI 2,5-L	3076034	155
UTI 2,5-L/L	3076031	155
UTI 2,5-L/LB	3076033	156
UTI 2,5-L/N	3076035	155
UTI 2,5-PE/L/L	3076029	155
UTI 2,5-PE/L/N	3076030	155
UTI 2,5-PE/L/NT	3076028	154
UTI 2,5-PE/L/NTB	3076032	156
UTI 35	3074088	187
UTI 35 BU	3075731	187
UTI 35-PE	3074091	187
UTI 6-L/L	3076042	178
UTI 6-L/N	3076045	178
UTI 6-PE/L/L	3076040	179
UTI 6-PE/L/LT	3076043	180
UTI 6-PE/L/N	3076041	179
UTI 6-PE/L/NT	3076039	180
UTME 4	3047452	169
UTME 4-CT/1P	3057432	332
UTME 4-P/P	3047453	169
UTME 4-P/P BU	3047454	169
UTME 4/1P	3057416	331
UTME 6	3047400	177
UTMED 4	3047465	169
UTMED 4-PE	3047478	169
UTMED 6	3047413	177
UTMED 6-PE	3047442	177
UTN 2,5	3245011	154
UTN 4	3245024	170
UTN 6	3245037	181
UTN 10	3245040	183
UTN 16	3245053	185
UTN 35	3245066	187
UTRE 6-2/10	3069811	623
UTRE 6-2/11	3069812	623
UTRE 6-2/12	3069813	623
UTRE 6-2/13	3069814	623
UTRE 6-2/14	3069815	623
UTRE 6-2/15	3069816	623
UTRE 6-2/16	3069817	623
UTRE 6-2/17	3069818	623
UTRE 6-2/18	3069819	623
UTRE 6-2/19	3069820	623
UTRE 6-2/20	3069821	623
UTRE 6-2/21	3069822	623
UTRE 6-2/22	3069823	623
UTRE 6-2/23	3069824	623
UTRE 6-2/24	3069825	623
UTRE 6-2/25	3069826	623
UTRE 6-2/4	3069805	623
UTRE 6-2/5	3069806	623
UTRE 6-2/6	3069807	623
UTRE 6-2/7	3069808	623
UTRE 6-2/8	3069809	623
UTRE 6-2/9	3069810	623
UTRE 6-2/A14	3069426	630
UTRE 6-2/A7	3069423	630
UTRE 6-2/B14	3069427	630
UTRE 6-2/B19	3069429	630
UTRE 6-2/B7	3069424	630
UTRE 6-2/C14	3069428	630
UTRE 6-2/C19	3069430	630
UTRE 6-2/D19	3069431	630
UTRE 6-2/E7	3069425	630
UTRE 6-2/F19	3069432	630
UTRE 6-2/G19	3069433	630
UTRE 6-2/H19	3069434	630
UTRE 6-2/I19	3069435	630
UTT 2,5-2MT	3044679	152
UTT 2,5-2MT BU	3044680	152
UTT 2,5-2MT-P/P	3044670	152
UTT 2,5-2MT-P/P BU	3044671	152
UTT 2,5-2TG-P/P	3044674	151
UTTB 4	3044814	160
UTTB 4 BU	3044791	160
UTTB 4-MT	3044775	167
UTTB 4-MT P/P	3044762	167
UTTB 4-PE	3044759	160
UTTB 4-PV	3044733	160
UTTB 4-TG	3044720	164
UTTB 2,5	3044636	149
UTTB 2,5 BU	3044649	149
UTTB 2,5-2DIO/O-UL/O-UR	3046689	153
UTTB 2,5-2DIO/O-UL/UR-UL	3046676	153
UTTB 2,5-BE	3046744	154
UTTB 2,5-DIO/O-U	3046650	153
UTTB 2,5-DIO/U-O	3046663	153
UTTB 2,5-DIO/UL-UR	3046728	153
UTTB 2,5-L/N	3044681	150
UTTB 2,5-LA 230	3046715	154
UTTB 2,5-LA 24 RD	3046692	154
UTTB 2,5-LA 60 RD	3046702	154
UTTB 2,5-MT-P/P	3044640	152
UTTB 2,5-MT-P/P BU	3044641	152
UTTB 2,5-PE	3044665	149
UTTB 2,5-PE/L	3044678	150
UTTB 2,5-PE/N	3046731	150
UTTB 2,5-PV	3044652	149
UTTB 2,5-TG-P/P	3044644	151
UTTB 2,5/2P	3060351	303
UTTB 2,5/2P BU	3060364	303
UTTB 2,5/2P-F	3060474	373
UTTB 2,5/2P-PE	3060380	303
UTTB 2,5/2P-PV	3060377	303
UTTB 2,5/2P-PV BU	3060487	303
UTTB 4 HV	3000610	160
UTTB 4-MT P/P LA 24 RD/O-U	3046773	167
UTWE 6-2/10	3069658	623
UTWE 6-2/11	3069659	623
UTWE 6-2/12	3069660	623
UTWE 6-2/13	3069662	623
UTWE 6-2/14	3069663	623
UTWE 6-2/15	3069664	623
UTWE 6-2/16	3069666	623
UTWE 6-2/17	3069667	623
UTWE 6-2/18	3069668	623
UTWE 6-2/19	3069672	623
UTWE 6-2/20	3069673	623
UTWE 6-2/21	3069800	623
UTWE 6-2/22	3069801	623
UTWE 6-2/23	3069802	623
UTWE 6-2/24	3069803	623
UTWE 6-2/25	3069804	623
UTWE 6-2/4	3069650	623
UTWE 6-2/5	3069651	623
UTWE 6-2/6	3069652	623
UTWE 6-2/7	3069654	623
UTWE 6-2/8	3069655	623
UTWE 6-2/9	3069656	623
UTWE 6-2/A14	3069413	630
UTWE 6-2/A7	3069410	630
UTWE 6-2/B14	3069414	630
UTWE 6-2/B19	3069416	630
UTWE 6-2/B7	3069411	630
UTWE 6-2/C14	3069415	630
UTWE 6-2/C19	3069417	630
UTWE 6-2/D19	3069418	630
UTWE 6-2/E7	3069412	630
UTWE 6-2/F19	3069419	630
UTWE 6-2/G19	3069420	630
UTWE 6-2/H19	3069421	630
UTWE 6-2/I19	3069422	630
UTWE 6/10+1	1029712	614
UTWE 6/11+1	1029713	614
UTWE 6/12+1	3069077	614
UTWE 6/3+1	3069047	614
UTWE 6/4+1	3069048	614
UTWE 6/4+1 BI	3070008	614
UTWE 6/5+1	3069049	614
UTWE 6/6+1	3069051	614
UTWE 6/6+1 BI	3069996	614
UTWE 6/7+1	3069065	614
UTWE 6/8+1	3069064	614
UTWE 6/9+1	1029711	614
UVKB 4-FS(6-2,8-0,8)	1954016	534
UVKB 4-FS/FS(8-2,8-0,8)	1953017	535
UXKK 4	2780014	473

V

Type	Order No.	Page
VBST 4-FS(6-2,8-0,8)	0852012	536
VBSTB 4-FS (6-2,8-0,8)	3070435	536
VIOK 1,5	2718015	486
VIOK 1,5-2D	2718196	487
VIOK 1,5-3D/PE	2718206	487
VIOK 1,5-D/TG/D/PE	3011067	487
VIOK 1,5-LA 24RD/O-MO	2718028	486
VS-UK 10,3-HESI A 2POL	1045725	500
VS-UK 10,3-HESI A 3POL	1045726	500

W

Type	Order No.	Page
WS 3- 5	0805357	593
WS 3- 6	1004115	593
WS 3- 8	1004128	593
WS 4- 5	0805344	593
WS 4- 6	1004209	593
WS 4- 8	1004212	593
WS 4-10	1004225	593
WS 4-12	0805328	593
WS 4-15	1004241	593
WS 5- 5	0805331	593
WS 5- 6	1004403	593
WS 5- 8	1004416	593
WS 5-10	1004429	593
WS 5-12	0805315	593
WS 5-15	1004445	593
WS PT 10	1029030	420
WS PT 16	1029033	420
WS PT 2,5	1029026	420
WS PT 4	1029563	420
WS PT 6	1029029	420
WS UT 10	3047361	420
WS UT 16	3047374	420
WS UT 2,5	3047923	420
WS UT 35	3047387	420
WS UT 4	3047332	420
WS UT 6	3047345	420
WS-2K	1004513	395
WS-4K	1004584	395

Type	Order No.	Page
WS-DIO PT 2,5	1029037	421
WS-G5/3	2720032	577
WS-G5/4	2716499	577
WST 1,5	3030958	420
WST 10/35	3030006	420
WST 2,5	3030941	420
WST 4	3030954	420
WST 6	3030967	420
WT-BASE HF 9	3240704	617
WT-D HF 7,5X200	3240712	617

Z

ZB 8,3,LGS:FORTL.ZAHLEN	0803480	46
ZB 8,3,QR:FORTL.ZAHLEN	0803479	46
ZB 8,3:UNBEDRUCKT	0803444	46
ZBF 6/9,2 S8 CUS	8191575	46
ZBF 6/9,2 S8,LGS:1-8	0803450	46
ZBF 6/9,2 S8,LGS:A-H	0803451	46
ZBF 6/9,2 S8,QR:1-8	0803448	46
ZBF 6/9,2 S8,QR:A-H	0803449	46
ZBF 6/9,2 S8:UNBEDRUCKT	0803447	46

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