



## **CLIPLINE** complete PT – Push-in connection



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Phoenix Contact is a global market leader in the field of electrical engineering, electronics, and automation. Founded in 1923, the family-owned company now employs around 12,800 people worldwide. A sales network with over 50 sales subsidiaries and more than 30 additional sales partners guarantees customer proximity directly on site, anywhere in the world.

Our range of services consists of products surrounding various different electrotechnical applications. This includes numerous connection technologies for device manufacturers and machine building, components for modern control cabinets, and tailor-made solutions for many applications and industries, such as automobile production, wind energy, photovoltaics, the process industry or applications in the field of water supply, power distribution, and transportation infrastructure.



## Global player with personal customer contact

Company independence is an integral part of our corporate policy. Phoenix Contact therefore relies on in-house competence and expertise in many respects: the design and development departments constantly come up with innovative product ideas, developing special solutions to meet customer requirements. Numerous patents emphasize the fact that many of Phoenix Contact's products have been developed in-house.



PT push-in connection terminal blocks have been developed for direct conductor connection. This means that solid 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 0.25 mm<sup>2</sup>. The contact spring is opened automatically when the conductor is pushed in and thereby provides the required pressure force against the current bar. Both for releasing conductors and connecting small cross sections from 0.14 mm<sup>2</sup>, the spring is opened by means of the actuation lever – easily and without direct contact with live parts. The actuation lever can be operated with all standard screwdrivers.

The PT connection terminal blocks are subjected to tests which go beyond the basic modular terminal block standard, enabling them to be used in all sectors of industry, such as energy supply, transportation technology, process engineering, in particular the chemical and petrochemical industry or shipbuilding.

### Push-in Technology

Designed by PHOENIX CONTACT



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# Push-in connection technology

## Easy to use – high-performance connection



### Push-in Technology

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The reduction in insertion forces of up to 50% permits easy and direct insertion of solid and stranded conductors with ferrules of cross section  $0.25 \text{ mm}^2$  or greater.

The integrated lever enables you to release connected conductors using any type of tool – easily and without direct contact with live parts. Stranded conductors of cross section  $0.14 \text{ mm}^2$  and above can be connected without ferrules using the actuation lever.

High-quality hard-faced copper alloys ensure the lowest contact resistances and, as a result, maximum current transfer.

The special contact spring is manufactured from high-quality spring steel. This ensures maximum contact and conductor pull-out forces with vibration-resistant and gas-tight contacting.



The push-in connection technology is tested for maximum vibration and shock resistance. The test runs through a frequency range of 5 Hz to 150 Hz at a speed of up to  $5.72 \text{ m/s}^2$ . The test objects are tested on each of the three axes (x, y, z). No contact interruptions  $> 1 \mu\text{s}$  are permitted during the test. Push-in connection technology meets these high requirements in terms of vibration and shock loads up to 350 g.



C u EAC J I



X

m

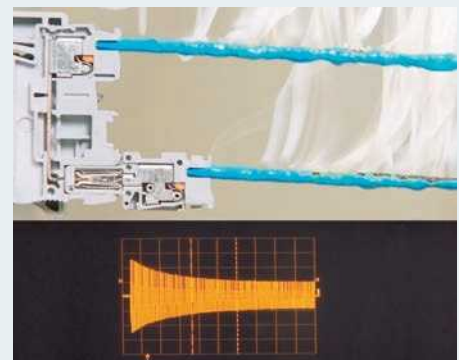
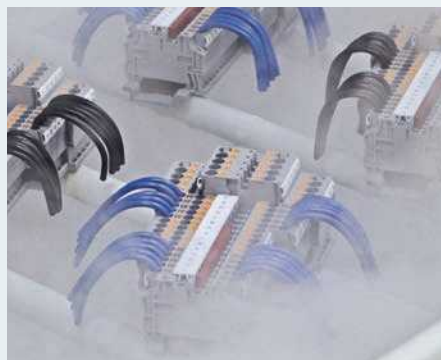


CB  
scheme

X



Push-in connection technology is subjected to tests which go beyond the basic standard, enabling them to be used in all sectors of industry, such as energy supply, transportation technology, process engineering, and the chemical, petrochemical, and shipbuilding industries in particular.



Correctly wired modular conductor contact points must offer a high degree of mechanical safety. The new push-in connection technology, requiring up to 50% lower conductor insertion forces, achieves 180 N in the conductor pull-out test of a 2.5 mm<sup>2</sup> terminal block with a 1.0 mm<sup>2</sup> conductor, for example, where only 35 N is required according to the standard.

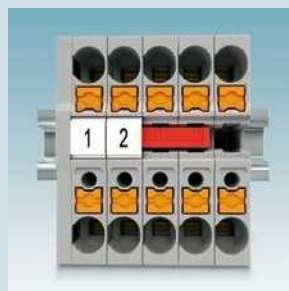
The key role of the metal parts of electrical connections becomes particularly apparent in aggressive environments. A test method describes a corrosion test in condensation climates with an atmosphere containing sulfur dioxide and salt mist. The push-in connection technology creates high-grade, gas-tight connections that cannot be impaired even by aggressive substances.

Conductor contact points 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. Maximum contact reliability, even under extreme overload – illustrated with a plug-in push-in modular terminal block.

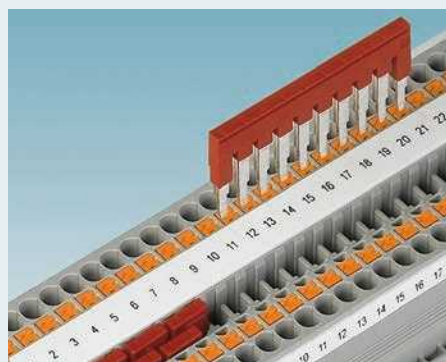
# Simply consistent – PT modular terminal blocks with push-in connection

The consistent function shaft in all push-in modular terminal blocks gives you a high degree of flexibility and simplifies project planning and configuration of the control cabinet. All terminal blocks can be freely combined with one another.

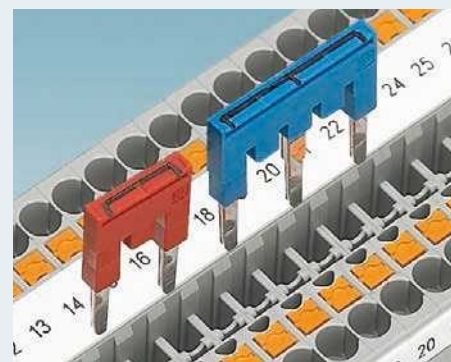
The CLIPLINE complete system accessories, such as jumpering, marking, and testing accessories, are standardized and greatly reduce your logistics costs.



Extremely small, but they can be labeled and bridged just like their larger counterparts.

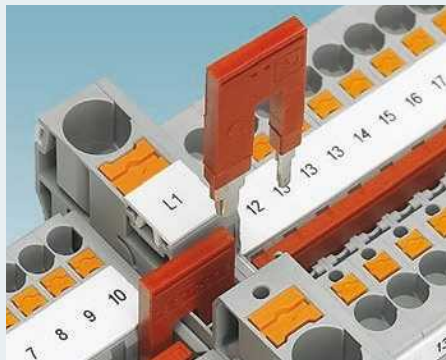


To allow fast and individual potential distribution, the terminal blocks have two function shafts. They are arranged in a line. This makes it possible to implement all the tasks of potential bridging within a short time.

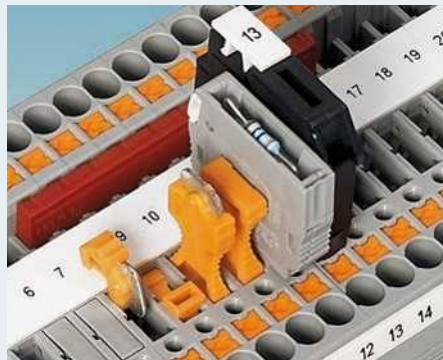


Bridging between non-adjacent terminal blocks is established by removing individual contact tabs from the standard bridge. This means that two potentials can be routed in parallel through one terminal strip.

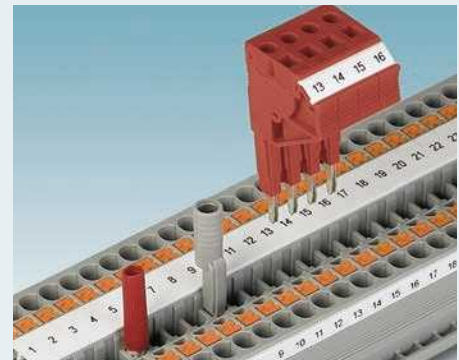
Each terminal point supports clear, large-surface labeling to ensure the best possible overview of the control cabinet.



The reducing bridge allows terminal blocks with different nominal cross sections to be connected with ease. It can be used to quickly create power blocks, e.g., a 10 mm<sup>2</sup> terminal block with a 2.5 mm<sup>2</sup> or 4 mm<sup>2</sup> terminal block, regardless of the connection technology.



All disconnect terminal blocks in the CLIPLINE complete system have a standardized disconnect zone. The disconnect zone accommodates various plugs such as fuse plugs, component connectors, and isolating plugs.



All test plugs in the system make contact in the freely accessible function shaft. For individual measuring lines, a 2.3 mm diameter test plug is available. More complex testing tasks can be implemented using alignable test plugs. Test adapters can be assembled individually and are perfectly suited for use in test laboratories.

## Two-conductor terminal blocks

|                                                   |           |                              |                                                                                   |                               |                                                                                    |                               |                                                                                     |                               |
|---------------------------------------------------|-----------|------------------------------|-----------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------|-------------------------------|
|                                                   |           |                              |  |                               |  |                               |  |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow | PT 1,5/S<br>PT 1,5/S BU<br>PT 1,5/S-PE                                            | 3208100<br>3208126<br>3208139 | PT 2,5<br>PT 2,5 BU<br>PT 2,5-PE                                                   | 3209510<br>3209523<br>3209536 | PT 4<br>PT 4 BU<br>PT 4-PE                                                          | 3211757<br>3211760<br>3211766 |
| Width / Length / Height                           |           | [mm]                         | 3.5 / 45 / 32                                                                     |                               | 5.2 / 48.5 / 36.5                                                                  |                               | 6.2 / 56 / 36.5                                                                     |                               |
| Current / Voltage // UL                           |           | [A] / [V]                    | 17.5 / 500 // 15 / 600                                                            |                               | 30 / 800 // 20 / 600                                                               |                               | 38 / 800 // 30 / 600                                                                |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -       | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                      |                               | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                         |                               | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                              |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]           | 0.14 - 1.5 / 0.14 - 1                                                             |                               | 0.14 - 2.5                                                                         |                               | 0.25 - 4                                                                            |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]           | 0.34 - 1.5 / 0.25 - 1.5                                                           |                               | 0.34 - 2.5 / 0.34 - 4                                                              |                               | 0.5 - 4 / 0.5 - 6                                                                   |                               |
|                                                   |           |                              |  |                               |  |                               |  |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow | PT 6<br>PT 6 BU<br>PT 6-PE                                                        | 3211813<br>3211819<br>3211822 | PT 10<br>PT 10 BU<br>PT 10-PE                                                      | 3212120<br>3212123<br>3212131 | PT 16 N<br>PT 16 N BU<br>PT 16 N-PE                                                 | 3212138<br>3212142<br>3212147 |
| Width / Length / Height                           |           | [mm]                         | 8.2 / 57.7 / 43.5                                                                 |                               | 10.2 / 67.7 / 50.5                                                                 |                               | 12.2 / 75.4 / 52.6                                                                  |                               |
| Current / Voltage // UL                           |           | [A] / [V]                    | 41 / 1000 // 40 / 600                                                             |                               | 57 / 1000 // 60 / 600                                                              |                               | 76 / 1000 // -                                                                      |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -       | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 8                                             |                               | 0.5 - 16 / 20 - 6 // 0.5 - 10 / 20 - 6                                             |                               | 0.5 - 25 / 20 - 4 // 0.5 - 16 / 20 - 6                                              |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]           | 0.5 - 6                                                                           |                               | 0.5 - 10                                                                           |                               | 0.5 - 16                                                                            |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]           | 1 - 6 / 1 - 10                                                                    |                               | 2.5 - 10 / 1 - 16                                                                  |                               | 2.5 - 16 / 2.5 - 25                                                                 |                               |

## Three-conductor terminal blocks

|                                                   |           |                              |                                                                                     |                               |                                                                                      |                               |                                                                                       |                               |
|---------------------------------------------------|-----------|------------------------------|-------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|-------------------------------|
|                                                   |           |                              |  |                               |  |                               |  |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow | PT 1,5/S-TWIN<br>PT 1,5/S-TWIN BU<br>PT 1,5/S-TWIN-PE                               | 3208155<br>3208168<br>3208171 | PT 2,5-TWIN<br>PT 2,5-TWIN BU<br>PT 2,5-TWIN-PE                                      | 3209549<br>3209552<br>3209565 | PT 4-TWIN<br>PT 4-TWIN BU<br>PT 4-TWIN-PE                                             | 3211771<br>3211775<br>3211780 |
| Width / Length / Height                           |           | [mm]                         | 3.5 / 54 / 32                                                                       |                               | 5.2 / 60.5 / 36.5                                                                    |                               | 6.2 / 66.5 / 36.5                                                                     |                               |
| Current / Voltage // UL                           |           | [A] / [V]                    | 17.5 / 500 // 15 / 600                                                              |                               | 30 / 800 // 20 / 600                                                                 |                               | 32 / 800 // 30 / 600                                                                  |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -       | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                        |                               | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                           |                               | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                                |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]           | 0.14 - 1.5 / 0.14 - 1                                                               |                               | 0.14 - 2.5                                                                           |                               | 0.25 - 4                                                                              |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]           | 0.34 - 1.5 / 0.25 - 1.5                                                             |                               | 0.34 - 2.5 / 0.34 - 4                                                                |                               | 0.5 - 4 / 0.5 - 6                                                                     |                               |
|                                                   |           |                              |  |                               |  |                               |  |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow | PT 6-TWIN<br>PT 6-TWIN BU<br>PT 6-TWIN-PE                                           | 3211929<br>3211485<br>3211498 | PT 10-TWIN<br>PT 10-TWIN BU<br>PT 10-TWIN-PE                                         | 3208746<br>3208747<br>3208745 | PT 16-TWIN N<br>PT 16-TWIN N BU<br>PT 16-TWIN N-PE                                    | 3208760<br>3208773<br>3208786 |
| Width / Length / Height                           |           | [mm]                         | 8.2 / 74.2 / 43.5                                                                   |                               | 10.2 / 88.9 / 50.5                                                                   |                               | 12.2 / 100.2 / 52.6                                                                   |                               |
| Current / Voltage // UL                           |           | [A] / [V]                    | 41 / 1000 // 40 / 600                                                               |                               | 57 / 1000 // 60 / 600                                                                |                               | 76 / 1000 // -                                                                        |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -       | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 8                                               |                               | 0.5 - 16 / 20 - 6 // 0.5 - 10 / 20 - 6                                               |                               | 0.5 - 25 / 20 - 4 // 0.5 - 16 / 20 - 6                                                |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]           | 0.5 - 6                                                                             |                               | 0.5 - 10                                                                             |                               | 0.5 - 16                                                                              |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]           | 1 - 6 / 1 - 10                                                                      |                               | 2.5 - 10 / 1 - 16                                                                    |                               | 2.5 - 25 / 2.5 - 16                                                                   |                               |

 More detailed information on use in an Ex "e" and "i" area is available on the Internet as a download for the approved products.

## Four-conductor terminal blocks

...-U = with interrupted current bar

|                                                   |           |                                      |                                                                                      |                                          |                                                                                    |                               |                                                                                     |                               |
|---------------------------------------------------|-----------|--------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------|-------------------------------|
|                                                   |           |                                      |     |                                          |  |                               |  |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow<br>Gray | PT 1,5/S-QUATTRO<br>PT 1,5/S-QUATTRO BU<br>PT 1,5/S-QUATTRO-PE<br>PT 1,5/S-QUATTRO-U | 3208197<br>3208208<br>3208333<br>3208359 | PT 2,5-QUATTRO<br>PT 2,5-QUATTRO BU<br>PT 2,5-QUATTRO-PE                           | 3209578<br>3209581<br>3209594 | PT 4-QUATTRO<br>PT 4-QUATTRO BU<br>PT 4-QUATTRO-PE                                  | 3211797<br>3211802<br>3211809 |
| Width / Length / Height                           |           | [mm]                                 | 3.5 / 63.2 / 32                                                                      |                                          | 5.2 / 72.2 / 36.8                                                                  |                               | 6.2 / 77 / 36.5                                                                     |                               |
| Current / Voltage // UL                           |           | [A] / [V]                            | 17.5 / 500 // 15 / 600                                                               |                                          | 24 / 800 // 20 / 600                                                               |                               | 32 / 800 // 30 / 600                                                                |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -               | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                         |                                          | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                         |                               | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                              |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]                   | 0.14 - 1.5 / 0.14 - 1                                                                |                                          | 0.14 - 2.5                                                                         |                               | 0.25 - 4                                                                            |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                   | 0.34 - 1.5 / 0.25 - 1.5                                                              |                                          | 0.34 - 2.5 / 0.34 - 4                                                              |                               | 0.5 - 4 / 0.5 - 6                                                                   |                               |
|                                                   |           |                                      |     |                                          |                                                                                    |                               |                                                                                     |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow         | PT 6-QUATTRO<br>PT 6-QUATTRO BU<br>PT 6-QUATTRO-PE                                   | 3212934<br>3212947<br>3212950            |                                                                                    |                               |                                                                                     |                               |
| Width / Length / Height                           |           | [mm]                                 | 8.2 / 90.5 / 43.5                                                                    |                                          |                                                                                    |                               |                                                                                     |                               |
| Current / Voltage // UL                           |           | [A] / [V]                            | 41 / 1000 // 40 / 600                                                                |                                          |                                                                                    |                               |                                                                                     |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -               | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 8                                                |                                          |                                                                                    |                               |                                                                                     |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]                   | 0.5 - 6                                                                              |                                          |                                                                                    |                               |                                                                                     |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                   | 1 - 6 / 1 - 10                                                                       |                                          |                                                                                    |                               |                                                                                     |                               |

## Double-level terminal blocks

...-PV = with equipotential bonding

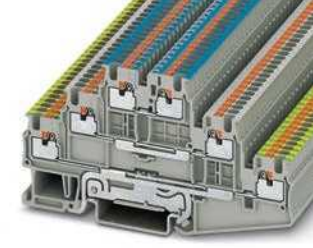
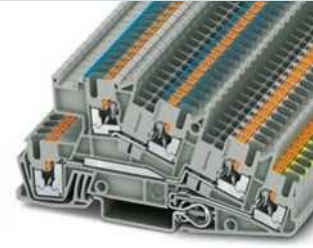
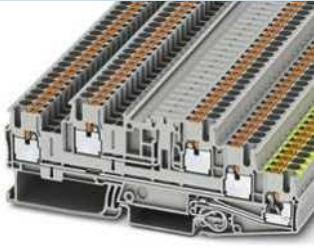
|                                                   |           |                                      |                                                                                     |                                          |                                                                                      |                                          |                                                                                       |                                          |
|---------------------------------------------------|-----------|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------|------------------------------------------|
|                                                   |           |                                      |  |                                          |  |                                          |  |                                          |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow<br>Gray | PTTB 1,5/S<br>PTTB 1,5/S BU<br>PTTB 1,5/S-PE<br>PTTB 1,5/S-PV                       | 3208511<br>3208524<br>3208537<br>3208540 | PTTB 2,5<br>PTTB 2,5 BU<br>PTTB 2,5-PE<br>PTTB 2,5-PV                                | 3210567<br>3210570<br>3210596<br>3210583 | PTTB 4<br>PTTB 4 BU<br>PTTB 4-PE<br>PTTB 4-PV                                         | 3211786<br>3211793<br>3211854<br>3211825 |
| Width / Length / Height                           |           | [mm]                                 | 3.5 / 65.4 / 42.6                                                                   |                                          | 5.2 / 68 / 47.5                                                                      |                                          | 6.2 / 83.5 / 47.5                                                                     |                                          |
| Current / Voltage // UL                           |           | [A] / [V]                            | 16 / 500 // 15 / 600                                                                |                                          | 22 / 500 // 20 / 600                                                                 |                                          | 38 / 800 // 28 / 600                                                                  |                                          |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -               | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                        |                                          | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                           |                                          | 0.2 - 6 / 28 - 10 // 0.2 - 4 / 24 - 12                                                |                                          |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]                   | 0.14 - 1.5 / 0.14 - 1                                                               |                                          | 0.14 - 2.5                                                                           |                                          | 0.25 - 4                                                                              |                                          |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                   | 0.34 - 1.5 / 0.25 - 1.5                                                             |                                          | 0.34 - 2.5 / 0.34 - 4                                                                |                                          | 0.5 - 4 / 0.5 - 6                                                                     |                                          |
| PTTB 4-L 1000 V enclosed housing                  |           |                                      |  |                                          |  |                                          |  |                                          |
| Type                                              | Order No. | Gray<br>Gray<br>Gray<br>Gray         | PTTB 1,5/S-L/N<br>PTTB 1,5/S-PE/L<br>PTTB 1,5/S-PE/N                                | 3208544<br>3208553<br>3208566            | PTTB 2,5-L/N<br>PTTB 2,5-PE/L<br>PTTB 2,5-PE/N                                       | 3210994<br>3210978<br>3210981            | PTTB 4-L 1000V                                                                        | 3062744                                  |
| Width / Length / Height                           |           | [mm]                                 | 3.5 / 65.4 / 42.6                                                                   |                                          | 5.2 / 68 / 47.5                                                                      |                                          | 8.2 / 83.5 / 47.5                                                                     |                                          |
| Current / Voltage // UL                           |           | [A] / [V]                            | 16 / 500 // 15 / 600                                                                |                                          | 22 / 500 // 20 / 300                                                                 |                                          | 38 / 1000 // 30 / 1000                                                                |                                          |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -               | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                        |                                          | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                           |                                          | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                                |                                          |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]                   | 0.14 - 1.5 / 0.14 - 1                                                               |                                          | 0.14 - 2.5                                                                           |                                          | 0.25 - 4                                                                              |                                          |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                   | 0.34 - 1.5 / 0.25 - 1.5                                                             |                                          | 0.34 - 2.5 / 0.34 - 4                                                                |                                          | 0.5 - 4 / 0.5 - 6                                                                     |                                          |

## Multi-conductor double-level terminal blocks

|                                                   |           |                                      |                                                                                   |                                          |                                                                                           |                                          |
|---------------------------------------------------|-----------|--------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------|
|                                                   |           |                                      |  |                                          |         |                                          |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow<br>Gray | PTTBS 2,5-TWIN<br>PTTBS 2,5-TWIN BU<br>PTTBS 2,5-TWIN-PE<br>PTTBS 2,5-TWIN-PV     | 3210600<br>3210601<br>3210602<br>3210603 | PTTBS 2,5-QUATTRO<br>PTTBS 2,5-QUATTRO BU<br>PTTBS 2,5-QUATTRO-PE<br>PTTBS 2,5-QUATTRO-PV | 3210609<br>3210610<br>3210611<br>3210612 |
| Width / Length / Height                           |           | [mm]                                 | 5.2 / 111.8 / 55                                                                  |                                          | 5.2 / 115.2 / 55                                                                          |                                          |
| Current / Voltage // UL                           |           | [A] / [V]                            | 24 / 500 //                                                                       |                                          | 24 / 500 //                                                                               |                                          |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -               | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                        |                                          | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                                |                                          |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]                   | 0.14 - 2.5                                                                        |                                          | 0.14 - 2.5                                                                                |                                          |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                   | 0.34 - 2.5 / 0.34 - 4                                                             |                                          | 0.34 - 2.5 / 0.34 - 4                                                                     |                                          |

## Three-level terminal blocks

...-PV = with equipotential bonding

|                                                                                                                                                                                       |           |                                                                  |                                                                                     |                                          |                                                                                       |                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------|
|                                                                                                                                                                                       |           |                                                                  |    |                                          |     |                                            |
| Type                                                                                                                                                                                  | Order No. | Gray<br>Blue<br>Green-yellow<br>Gray                             | PT 1,5/S-3L<br>PT 1,5/S-3L BU<br>PT 1,5/S-3PE<br>PT 1,5/S-3PV                       | 3213713<br>3213726<br>3213739<br>3213742 | PT 2,5-3L<br>PT 2,5-3L BU<br>PT 2,5-3PE<br>PT 2,5-3PV                                 | 3210499<br>3210509<br>3210525<br>3210512   |
| Width / Length / Height                                                                                                                                                               |           | [mm]                                                             | 3.5 / 97.2 / 53.2                                                                   |                                          | 5.2 / 102 / 58                                                                        |                                            |
| Current / Voltage // UL                                                                                                                                                               |           | [A] / [V]                                                        | 17.5 / 500 // 15 / 600                                                              |                                          | 20 / 500 // 20 / 300                                                                  |                                            |
| Solid / AWG // Stranded / AWG                                                                                                                                                         |           | [mm <sup>2</sup> ] / -                                           | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                        |                                          | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                            |                                            |
| Stranded with ferrule without/with plastic sleeve                                                                                                                                     |           | [mm <sup>2</sup> ]                                               | 0.14 - 1.5 / 0.14 - 1                                                               |                                          | 0.14 - 2.5                                                                            |                                            |
| Can be plugged in directly: with ferrule / solid                                                                                                                                      |           | [mm <sup>2</sup> ]                                               | 0.34 - 1.5 / 0.25 - 1.5                                                             |                                          | 0.34 - 2.5 / 0.34 - 4                                                                 |                                            |
|                                                                                                                                                                                       |           |                                                                  |  |                                          |   |                                            |
| Type                                                                                                                                                                                  | Order No. | Blue/Gray/Green-yellow<br>Gray/Green-yellow                      | PT 1,5/S-PE/L/N<br>PT 1,5/S-PE/L/L                                                  | 3213755<br>3213768                       | PT 2,5-PE/L/N<br>PT 2,5-PE/L/L                                                        | 3210538<br>3210541                         |
| Width / Length / Height                                                                                                                                                               |           | [mm]                                                             | 3.5 / 97.2 / 53.2                                                                   |                                          | 5.2 / 102 / 58                                                                        |                                            |
| Current / Voltage // UL                                                                                                                                                               |           | [A] / [V]                                                        | 15 / 500 // 15 / 600                                                                |                                          | 20 / 500 // 20 / 300                                                                  |                                            |
| Solid / AWG // Stranded / AWG                                                                                                                                                         |           | [mm <sup>2</sup> ] / -                                           | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                        |                                          | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                            |                                            |
| Stranded with ferrule without/with plastic sleeve                                                                                                                                     |           | [mm <sup>2</sup> ]                                               | 0.14 - 1.5 / 0.14 - 1                                                               |                                          | 0.14 - 2.5                                                                            |                                            |
| Can be plugged in directly: with ferrule / solid                                                                                                                                      |           | [mm <sup>2</sup> ]                                               | 0.34 - 1.5 / 0.25 - 1.5                                                             |                                          | 0.34 - 2.5 / 0.34 - 4                                                                 |                                            |
| The PTI 2,5... three-level terminal blocks offer optimum operating convenience with an extremely compact design. Wire load circuits can be wired quickly with a pitch of just 5.2 mm. |           |                                                                  |  |                                          |   |                                            |
| Type                                                                                                                                                                                  | Order No. | Blue/Gray/Yellow-green<br>Gray/Green-yellow<br>Blue/Gray<br>Gray | PTI 2,5-PE/L/N<br>PTI 2,5-PE/L/L                                                    | 3213950<br>3213949                       | PTI 2,5-L/N<br>PTI 2,5-L/L                                                            | 3213954<br>3213953                         |
| Width / Length / Height                                                                                                                                                               |           | [mm]                                                             | 5.2 / 101 / 50.5                                                                    |                                          | 5.2 / 101 / 50.5                                                                      | 5.2 / 118 / 42.3                           |
| Current / Voltage // UL                                                                                                                                                               |           | [A] / [V]                                                        | 24 / 400 // 20 / 300                                                                |                                          | 24 / 400 // 20 / 300                                                                  | 24 / 400 //                                |
| Solid / AWG // Stranded / AWG                                                                                                                                                         |           | [mm <sup>2</sup> ] / -                                           | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                          |                                          | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                            | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |
| Stranded with ferrule without/with plastic sleeve                                                                                                                                     |           | [mm <sup>2</sup> ]                                               | 0.14 - 2.5                                                                          |                                          | 0.14 - 2.5                                                                            | 0.14 - 2.5                                 |
| Can be plugged in directly: with ferrule / solid                                                                                                                                      |           | [mm <sup>2</sup> ]                                               | 0.34 - 2.5 / 0.34 - 4                                                               |                                          | 0.34 - 2.5 / 0.34 - 4                                                                 | 0.34 - 2.5 / 0.34 - 4                      |
|                                                                                                                                                                                       |           |                                                                  |                                                                                     |                                          |  |                                            |
| Type                                                                                                                                                                                  | Order No. | Blue/Gray/Yellow-green<br>Gray/Green-yellow<br>Blue/Gray<br>Gray | PTI 2,5-PE/L/N<br>PTI 2,5-PE/L/L                                                    | 3213950<br>3213949                       | PTI 2,5-L/N<br>PTI 2,5-L/L                                                            | 3213954<br>3213953                         |
| Width / Length / Height                                                                                                                                                               |           | [mm]                                                             | 5.2 / 101 / 50.5                                                                    |                                          | 5.2 / 101 / 50.5                                                                      | 5.2 / 118 / 42.3                           |
| Current / Voltage // UL                                                                                                                                                               |           | [A] / [V]                                                        | 24 / 400 // 20 / 300                                                                |                                          | 24 / 400 // 20 / 300                                                                  | 24 / 400 //                                |
| Solid / AWG // Stranded / AWG                                                                                                                                                         |           | [mm <sup>2</sup> ] / -                                           | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                          |                                          | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                            | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |
| Stranded with ferrule without/with plastic sleeve                                                                                                                                     |           | [mm <sup>2</sup> ]                                               | 0.14 - 2.5                                                                          |                                          | 0.14 - 2.5                                                                            | 0.14 - 2.5                                 |
| Can be plugged in directly: with ferrule / solid                                                                                                                                      |           | [mm <sup>2</sup> ]                                               | 0.34 - 2.5 / 0.34 - 4                                                               |                                          | 0.34 - 2.5 / 0.34 - 4                                                                 | 0.34 - 2.5 / 0.34 - 4                      |

 More detailed information on use in an Ex "e" and "i" area is available on the Internet at [phoenixcontact.com](http://phoenixcontact.com) as a download for the approved products.

## Three-level terminal blocks

|                                                   |           |                        |  |         |  |         |
|---------------------------------------------------|-----------|------------------------|-----------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------|---------|
| Type                                              | Order No. | Gray                   | PTI 4-PE/L/L                                                                      | 3214050 | PTI 4-L/L                                                                          | 3214052 |
|                                                   |           | Gray                   | PTI 4-PE/L/N                                                                      | 3214049 | PTI 4-L/N                                                                          | 3214051 |
| Width / Length / Height                           |           | [mm]                   | 6.2 / 114 / 50.5                                                                  |         | 6.2 / 114 / 50.5                                                                   |         |
| Current / Voltage // UL                           |           | [A] / [V]              | 32 / 400 // -                                                                     |         | 32 / 400 // -                                                                      |         |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / - | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                            |         | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                             |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]     | 0.25 - 4                                                                          |         | 0.25 - 4                                                                           |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 0.5 - 4 / 0.5 - 6                                                                 |         | 0.5 - 4 / 0.5 - 6                                                                  |         |

## Motor terminals

|                                                   |           |                        |  |         |  |         |
|---------------------------------------------------|-----------|------------------------|-----------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------|---------|
| Type                                              | Order No. | Gray                   | PT 2,5-PE/3L                                                                      | 3210542 | PT 4-PE/3L                                                                         | 3210442 |
| Width / Length / Height                           |           | [mm]                   | 5.2 / 99.5 / 85.4                                                                 |         | 6.2 / 104.5 / 96.9                                                                 |         |
| Current / Voltage // UL                           |           | [A] / [V]              | 25 / 800 // -                                                                     |         | 32 / 800 // -                                                                      |         |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / - | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                        |         | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                             |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]     | 0.14 - 2.5                                                                        |         | 0.25 - 4                                                                           |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 0.34 - 2.5 / 0.34 - 4                                                             |         | 0.5 - 4 / 0.5 - 6                                                                  |         |

## Fuse terminal blocks

| <sup>1)</sup> For 12 - 30 V AC/DC, 0.31 - 0.95 mA<br><sup>2)</sup> For 30 - 60 V AC/DC, 0.40 - 0.86 mA<br><sup>3)</sup> For 110 - 250 V AC/DC, 0.41 - 0.96 mA<br><br><b>PT 4-FSI/F... Fuse terminal block for auto flat-type fuses</b><br>Type F (miniature)<br><sup>4)</sup> For 12 V DC, 1.7 mA<br><sup>5)</sup> For 24 V DC, 1.9 mA |           |                        |  |         |  |         |  |         |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------|-------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------|---------|
| Type                                                                                                                                                                                                                                                                                                                                   | Order No. | Black                  | PT 4-HESI (5X20)                                                                    | 3211861 | PTC 4-HESI (5X20)                                                                    | 3270200 | PT 4-FSI/F                                                                            | 3208943 |
|                                                                                                                                                                                                                                                                                                                                        |           | Black                  | PT 4-HESILED 24 (5X20) <sup>1)</sup>                                                | 3211903 | PTC 4-HESILED 24 (5X20)                                                              | 3270203 | PT 4-FSI/F-LED 12 <sup>4)</sup>                                                       | 3208951 |
|                                                                                                                                                                                                                                                                                                                                        |           | Black                  | PT 4-HESILED 60 (5X20) <sup>2)</sup>                                                | 3207908 | PTC 4-HESILED 60 (5X20)                                                              | 3270205 | PT 4-FSI/F-LED 24 <sup>5)</sup>                                                       | 3208964 |
|                                                                                                                                                                                                                                                                                                                                        |           | Black                  | PT 4-HESILA 250 (5X20) <sup>3)</sup>                                                | 3211907 | PTC 4-HESILA 250 (5X20)                                                              | 3270197 |                                                                                       |         |
| Width / Length / Height                                                                                                                                                                                                                                                                                                                |           | [mm]                   | 6.2 / 56 / 63.4                                                                     |         | 8.2 / 67.8 / 39.9                                                                    |         | 6.2 / 56 / 35.3                                                                       |         |
| Current / Voltage // UL                                                                                                                                                                                                                                                                                                                |           | [A] / [V]              | 6.3 / 500 // 6.3 / 300                                                              |         | 6.3 / 500 // -                                                                       |         | 10 / 400 // 15 / 300                                                                  |         |
| Solid / AWG // Stranded / AWG                                                                                                                                                                                                                                                                                                          |           | [mm <sup>2</sup> ] / - | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                              |         | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                               |         | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                                |         |
| Stranded with ferrule without/with plastic sleeve                                                                                                                                                                                                                                                                                      |           | [mm <sup>2</sup> ]     | 0.25 - 4                                                                            |         | 0.25 - 4                                                                             |         | 0.25 - 4                                                                              |         |
| Can be plugged in directly: with ferrule / solid                                                                                                                                                                                                                                                                                       |           | [mm <sup>2</sup> ]     | 0.5 - 4 / 0.5 - 6                                                                   |         | 0.5 - 4 / 0.5 - 6                                                                    |         | 0.5 - 4 / 0.5 - 6                                                                     |         |

## Device circuit breakers

You can find information on the modular **CB** device circuit breakers and the multi-channel electronic **CBM** device circuit breakers with push-in connection technology online at [phoenixcontact.net/products](http://phoenixcontact.net/products)



## Miniature terminal blocks

|                                                   |           |                              |                                                                                   |                               |                                                                                    |                               |
|---------------------------------------------------|-----------|------------------------------|-----------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------|-------------------------------|
|                                                   |           |                              |  |                               |  |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow | MPT 1,5/S<br>MPT 1,5/S BU<br>MPT 1,5/S-PE                                         | 3248100<br>3248101<br>3248110 | MPT 2,5<br>MPT 2,5 BU<br>MPT 2,5-PE                                                | 3248125<br>3248126<br>3248130 |
| Width / Length / Height                           |           | [mm]                         | 3.5 / 33.55 / 28.1                                                                |                               | 5.2 / 36 / 34.8                                                                    |                               |
| Current / Voltage // UL                           |           | [A] / [V]                    | 17.5 / 500 // 15 / 600                                                            |                               | 24 / 500 // 20 / 600                                                               |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / -                    | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                      |                               | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                         |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]                        | 0.14 - 1.5 / 0.14 - 1                                                             |                               | 0.14 - 2.5                                                                         |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]                        | 0.34 - 1.5 / 0.25 - 1.5                                                           |                               | 0.34 - 2.5 / 0.34 - 4                                                              |                               |

## Fuse, diode and disconnect terminal blocks for 1000 V photovoltaic applications

|                                                                                                                                                                                                                                                |           |                                                                                    |                                                                                     |                               |                                                                                      |                    |                                                                                     |         |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|---------|
| For detailed information on PV applications and power dissipation data, visit <a href="http://phoenixcontact.com">phoenixcontact.com</a>                                                                                                       |           |                                                                                    |    |                               | Fuse-links in accordance with IEC                                                    |                    | Fuse-links in accordance with UL                                                    |         |
| Type                                                                                                                                                                                                                                           | Order No. | Black<br>Black<br>2 A<br>4 A<br>6 A<br>8 A<br>10 A<br>12 A<br>15 A<br>16 A<br>20 A | PT 10,3-HESI-1000V<br>PT 10,3-HESI-LED-1000V                                        | 3062142<br>3062142            |   |                    |  |         |
| Width / Length / Height                                                                                                                                                                                                                        |           | [mm]                                                                               | 17.6 / 63 / 87                                                                      |                               | FUSE 10,3X38 2A PV                                                                   | 3061295            | FUSE 10,3X38 6A PV A                                                                | 3062778 |
| Current / Voltage // UL                                                                                                                                                                                                                        |           | [A] / [V]                                                                          | 32 / 1000 // -                                                                      |                               | FUSE 10,3X38 4A PV                                                                   | 3061305            | FUSE 10,3X38 8A PV A                                                                | 3062779 |
| Solid / AWG // Stranded / AWG                                                                                                                                                                                                                  |           | [mm²] / -                                                                          | 1.5 - 10 / 16 - 6 // 1.5 - 10 / 16 - 6                                              |                               | FUSE 10,3X38 6A PV                                                                   | 3061318            | FUSE 10,3X38 10A PV A                                                               | 3062780 |
| Stranded with ferrule without/with plastic sleeve                                                                                                                                                                                              |           | [mm²]                                                                              | 1.5 - 10                                                                            |                               | FUSE 10,3X38 8A PV                                                                   | 3061321            | FUSE 10,3X38 12A PV A                                                               | 3062781 |
| Can be plugged in directly: with ferrule / solid                                                                                                                                                                                               |           | [mm²]                                                                              | 1.5 - 10                                                                            |                               | FUSE 10,3X38 10A PV                                                                  | 3061334            | FUSE 10,3X38 15A PV A                                                               | 3062784 |
| ... L-R = Diode conducting direction from left to right<br>... R-L = Diode conducting direction from right to left<br>... BE = For soldering components in place<br>¹) If the diode is loaded with 5 A, the surface temperature reaches 140 °C |           |                                                                                    |  |                               |  |                    |                                                                                     |         |
| Type                                                                                                                                                                                                                                           | Order No. | Gray<br>Gray<br>Gray                                                               | PTME 6-DIO/L-R HV<br>PTME 6-DIO/R-L HV<br>PTME 6-BE                                 | 3035697<br>3035698<br>3035687 | PTME 6 HV<br>PTME 6 HV BU                                                            | 3035696<br>3035695 |                                                                                     |         |
| Width / Length / Height                                                                                                                                                                                                                        |           | [mm]                                                                               | 8.2 / 100.8 / 67.5                                                                  |                               | 8.2 / 100.8 / 49.6                                                                   |                    |                                                                                     |         |
| Current / Voltage // UL                                                                                                                                                                                                                        |           | [A] / [V]                                                                          | 5¹) / 1000 (reverse voltage) // -                                                   |                               | 41 / 1000 // 30 / 600                                                                |                    |                                                                                     |         |
| Solid / AWG // Stranded / AWG                                                                                                                                                                                                                  |           | [mm²] / -                                                                          | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10                                              |                               | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10                                               |                    |                                                                                     |         |
| Stranded with ferrule without/with plastic sleeve                                                                                                                                                                                              |           | [mm²]                                                                              | 0.5 - 6                                                                             |                               | 0.5 - 6                                                                              |                    |                                                                                     |         |
| Can be plugged in directly: with ferrule / solid                                                                                                                                                                                               |           | [mm²]                                                                              | 1 - 6 / 1 - 10                                                                      |                               | 1 - 6 / 1 - 10                                                                       |                    |                                                                                     |         |
| ²) The DP-STMD 6 spacer plate ensures sufficient spacing between two adjacent diodes                                                                                                                                                           |           |                                                                                    |  |                               |                                                                                      |                    |                                                                                     |         |
| Type                                                                                                                                                                                                                                           | Order No. | Gray                                                                               | DP-STMD 6²)                                                                         | 3035690                       |                                                                                      |                    |                                                                                     |         |
| Width / Length / Height                                                                                                                                                                                                                        |           | [mm]                                                                               | 8.2 / 100.8 / 49.6                                                                  |                               |                                                                                      |                    |                                                                                     |         |

## Diode terminal blocks

Diode 1N 4007, reverse voltage 1000 V  
... L-R = Diode conducting direction from left to right  
... R-L = Diode conducting direction from right to left

|      |           |      |                |         |                     |         |                        |         |
|------|-----------|------|----------------|---------|---------------------|---------|------------------------|---------|
| Type | Order No. | Gray | PT 2,5-DIO/L-R | 3210224 | PT 2,5-TWIN-DIO/L-R | 3210240 | PT 2,5-QUATTRO-DIO/L-R | 3210266 |
|      |           | Gray | PT 2,5-DIO/R-L | 3210237 | PT 2,5-TWIN-DIO/R-L | 3210253 | PT 2,5-QUATTRO-DIO/R-L | 3210279 |

Width / Length / Height

Current / Voltage // UL

Solid / AWG // Stranded / AWG

Stranded with ferrule without/with plastic sleeve

Can be plugged in directly: with ferrule / solid

[mm]

[A] / [V]

[mm<sup>2</sup>] / -

[mm<sup>2</sup>]

[mm<sup>2</sup>]

5.2 / 48.5 / 36.5  
0.5 / 800 // 20 / 300  
0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14  
0.14 - 2.5  
0.34 - 2.5 / 0.34 - 4

5.2 / 60.5 / 36.5  
0.5 / 800 // 20 / 300  
0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14  
0.14 - 2.5  
0.34 - 2.5 / 0.34 - 4

5.2 / 72 / 36.5  
0.5 / 800 // 20 / 300  
0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14  
0.14 - 2.5  
0.34 - 2.5 / 0.34 - 4

Diode 1N 4007, reverse voltage 1300 V  
... L-R = Diode conducting direction from left to right  
... R-L = Diode conducting direction from right to left

|      |           |      |                      |         |                              |         |  |
|------|-----------|------|----------------------|---------|------------------------------|---------|--|
| Type | Order No. | Gray | PT 4-DIO 1N 5408/L-R | 3212112 | PT 4-QUATTRO-DIO 1N 5408/L-R | 3211919 |  |
|      |           | Gray | PT 4-DIO 1N 5408/R-L | 3212125 | PT 4-QUATTRO-DIO 1N 5408/R-L | 3211921 |  |

Width / Length / Height

Current / Voltage // UL

Solid / AWG // Stranded / AWG

Stranded with ferrule without/with plastic sleeve

Can be plugged in directly: with ferrule / solid

[mm]

[A] / [V]

[mm<sup>2</sup>] / -

[mm<sup>2</sup>]

[mm<sup>2</sup>]

6.2 / 56 / 36.5  
1.5 / 800 // 1.5 / 600  
0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12  
0.25 - 4  
0.5 - 4 / 0.5 - 6

6.2 / 77 / 36.5  
1.5 / 800 // 1.5 / 600  
0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12  
0.25 - 4  
0.5 - 4 / 0.5 - 6

Diode 1N 4007, reverse voltage 1000 V,  
maximum continuous current 0.5A  
... O-U = Throughput from top to bottom  
... U-O = Throughput from bottom to top  
... UL-UR = Throughput from bottom left to bottom right  
... O-UL/UR-UL = Throughput from top left to bottom left  
and from bottom right to bottom left  
... O-UL/O-UR = Throughput from top left to bottom left and  
from top right to bottom right

| Type | Order No. | Gray | PTTB 2,5-DIO/O-U | 3210923 | PTTB 2,5-DIO/UL-UR | 3211427 | PTTB 2,5-2DIO/O-UL/UR-UL | 3211430 |
|------|-----------|------|------------------|---------|--------------------|---------|--------------------------|---------|
|      |           | Gray | PTTB 2,5-DIO/U-O | 3210936 |                    |         | PTTB 2,5-2DIO/O-UL/O-UR  | 3211443 |
|      |           | Gray |                  |         |                    |         |                          |         |
|      |           | Gray |                  |         |                    |         |                          |         |
|      |           | Gray |                  |         |                    |         |                          |         |

Width / Length / Height

Current / Voltage // UL

Solid / AWG // Stranded / AWG

Stranded with ferrule without/with plastic sleeve

Can be plugged in directly: with ferrule / solid

[mm]

[A] / [V]

[mm<sup>2</sup>] / -

[mm<sup>2</sup>]

[mm<sup>2</sup>]

5.2 / 68 / 47.5  
20 / 500 // 20 / 300  
0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14  
0.14 - 2.5  
0.34 - 2.5 / 0.34 - 4

5.2 / 68 / 47.5  
20 / 500 // 20 / 300  
0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14  
0.14 - 2.5  
0.34 - 2.5 / 0.34 - 4

5.2 / 68 / 47.5  
20 / 500 // 20 / 300  
0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14  
0.14 - 2.5  
0.34 - 2.5 / 0.34 - 4

... R499 O-U = 499 Ω From top to bottom  
... LA = LED display  
1) For 12 - 30 V DC, 0.7 - 2.4 mA  
2) For 30 - 60 V DC, 0.8 - 1.8 mA  
3) For 110 - 250 V AC/DC, 0.1 - 0.5 mA  
... 2BE = For soldering components in place

| Type | Order No. | Gray | PTTB 2,5-R499/O-U | 3210925 | PTTB 2,5-LA 24 RD <sup>1)</sup> | 3211456 | PTTB 2,5-2BE | 3211480 |
|------|-----------|------|-------------------|---------|---------------------------------|---------|--------------|---------|
|      |           | Gray |                   |         | PTTB 2,5-LA 60 RD <sup>2)</sup> | 3211469 |              |         |
|      |           | Gray |                   |         | PTTB 2,5-LA 230 <sup>3)</sup>   | 3211472 |              |         |

Width / Length / Height

Current / Voltage // UL

Solid / AWG // Stranded / AWG

Stranded with ferrule without/with plastic sleeve

Can be plugged in directly: with ferrule / solid

[mm]

[A] / [V]

[mm<sup>2</sup>] / -

[mm<sup>2</sup>]

[mm<sup>2</sup>]

5.2 / 68 / 47.5  
20 / 500 // -  
0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14  
0.14 - 2.5  
0.34 - 2.5 / 0.34 - 4

5.2 / 68 / 47.5  
20 / 500 // 20 / 300  
0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14  
0.14 - 2.5  
0.34 - 2.5 / 0.34 - 4

5.2 / 68 / 47.5  
22 / 500 // -  
0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14  
0.14 - 2.5  
0.34 - 2.5 / 0.34 - 4

## Hybrid terminal blocks with screw connection on one side

|                                                                                                                                                                         |           |                              |                                                                                     |                               |                                                                                      |                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------------|-------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------|-------------------------------|
|                                                                                                                                                                         |           |                              |    |                               |    |                               |
| Type                                                                                                                                                                    | Order No. | Gray<br>Blue<br>Green-yellow | PTU 2,5<br>PTU 2,5 BU<br>PTU 2,5-PE                                                 | 3209519<br>3209521<br>3209520 | PTU 2,5-TWIN<br>PTU 2,5-TWIN BU<br>PTU 2,5-TWIN-PE                                   | 3209515<br>3209516<br>3209517 |
| Width / Length / Height                                                                                                                                                 |           | [mm]                         | 5.2 / 53.5 / 42.8                                                                   |                               | 5.2 / 65.3 / 42.8                                                                    |                               |
| Current / Voltage // UL                                                                                                                                                 |           | [A] / [V]                    | 24 / 800 // -                                                                       |                               | 28 / 800 // -                                                                        |                               |
| Solid / AWG                                                                                                                                                             |           | [mm²] / -                    | 0.14 - 4 / 28 - 12                                                                  | 0.14 - 4 / 28 - 12            | 0.14 - 4 / 28 - 12                                                                   | 0.14 - 4 / 28 - 12            |
| Stranded with ferrule without/with plastic sleeve                                                                                                                       |           | [mm²]                        | 0.14 - 2.5                                                                          | 0.14 - 2.5                    | 0.14 - 2.5                                                                           | 0.14 - 2.5                    |
| Can be plugged in directly: with ferrule / solid                                                                                                                        |           | [mm²]                        | -                                                                                   | 0.34 - 2.5 / 0.34 - 4         | -                                                                                    | 0.34 - 2.5 / 0.34 - 4         |
|                                                                                                                                                                         |           |                              |    |                               |    |                               |
| Type                                                                                                                                                                    | Order No. | Gray<br>Blue<br>Green-yellow | PTU 4<br>PTU 4 BU<br>PTU 4-PE                                                       | 3211855<br>3211856<br>3211857 | PTU 4-TWIN<br>PTU 4-TWIN BU<br>PTU 4-TWIN-PE                                         | 3211859<br>3211860<br>3211862 |
| Width / Length / Height                                                                                                                                                 |           | [mm]                         | 6.2 / 58.8 / 42.8                                                                   |                               | 6.2 / 69.3 / 42.8                                                                    |                               |
| Current / Voltage // UL                                                                                                                                                 |           | [A] / [V]                    | 32 / 800 // -                                                                       |                               | 32 / 800 // -                                                                        |                               |
| Solid/AWG                                                                                                                                                               |           | [mm²] / -                    | 0.14 - 6 / 26 - 10                                                                  | 0.14 - 6 / 26 - 10            | 0.14 - 6 / 26 - 10                                                                   | 0.14 - 6 / 26 - 10            |
| Stranded with ferrule without/with plastic sleeve                                                                                                                       |           | [mm²]                        | 0.14 - 4                                                                            | 0.14 - 4                      | 0.14 - 4                                                                             | 0.14 - 4                      |
| Can be plugged in directly: with ferrule / solid                                                                                                                        |           | [mm²]                        | -                                                                                   | 0.5 - 6                       | -                                                                                    | 0.5 - 6                       |
| ...-MTD = Feed-through terminal block with the same shape                                                                                                               |           |                              |  |                               |  |                               |
| Type                                                                                                                                                                    | Order No. | Gray<br>Gray                 | PTU 4-MT<br>PTU 4-MT-P                                                              | 3209538<br>3209532            | PTU 4-MTD<br>PTU 4-MTD-P                                                             | 3209539<br>3209540            |
| Width / Length / Height                                                                                                                                                 |           | [mm]                         | 6.2 / 71 / 42.8                                                                     |                               | 6.2 / 71 / 42.8                                                                      | 6.2 / 71 / 42.8               |
| Current / Voltage // UL                                                                                                                                                 |           | [A] / [V]                    | 20 / 400 // -                                                                       |                               | 20 / 400 // -                                                                        | 20 / 400 // -                 |
| Solid / AWG                                                                                                                                                             |           | [mm²] / -                    | 0.14 - 6 / 26 - 10                                                                  | 0.14 - 6 / 26 - 10            | 0.14 - 6 / 26 - 10                                                                   | 0.14 - 6 / 26 - 10            |
| Stranded with ferrule without/with plastic sleeve                                                                                                                       |           | [mm²]                        | 0.14 - 4                                                                            | 0.14 - 4                      | 0.14 - 4                                                                             | 0.14 - 4                      |
| Can be plugged in directly: with ferrule / solid                                                                                                                        |           | [mm²]                        | -                                                                                   | 0.5 - 6                       | 0.5 - 6                                                                              | 0.5 - 6                       |
| Note:<br>You can find wiring and testing accessories in the product area on our website at <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a> |           |                              |  |                               |  |                               |
| Type                                                                                                                                                                    | Order No. | Gray<br>Gray                 | PTU 6-T<br>PTU 6-T-P                                                                | 3209535<br>3209530            | PTUD 6<br>PTUD 6-P                                                                   | 3209531<br>3209537            |
| Width / Length / Height                                                                                                                                                 |           | [mm]                         | 8.2 / 73.9 / 48                                                                     |                               | 8.2 / 73.9 / 48                                                                      |                               |
| Current / Voltage // UL                                                                                                                                                 |           | [A] / [V]                    | 52 / 500 // -                                                                       |                               | 52 / 800 // -                                                                        |                               |
| Solid/AWG                                                                                                                                                               |           | [mm²] / -                    | 0.5 - 10 / 20 - 8                                                                   | 0.5 - 10 / 20 - 8             | 0.5 - 10 / 20 - 8                                                                    | 0.5 - 10 / 20 - 8             |
| Stranded with ferrule without/with plastic sleeve                                                                                                                       |           | [mm²]                        | 0.5 - 6                                                                             | 0.5 - 6                       | 0.5 - 6                                                                              | 0.5 - 6                       |
| Can be plugged in directly: with ferrule / solid                                                                                                                        |           | [mm²]                        | -                                                                                   | 1 - 6                         | -                                                                                    | 1 - 6                         |

## Desk-design terminal blocks

|                                                   |           |                                      |                                                                                     |                                          |                                                                                           |                                          |                                                                                     |                               |
|---------------------------------------------------|-----------|--------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|
|                                                   |           |                                      |    |                                          |         |                                          |  |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow         | PTS 1,5/S<br>PTS 1,5/S BU<br>PTS 1,5/S-PE                                           | 3214547<br>3214550<br>3214563            | PTS 2,5<br>PTS 2,5 BU<br>PTS 2,5-PE                                                       | 3211799<br>3211812<br>3211867            | PTS 1,5/S-TWIN<br>PTS 1,5/S-TWIN BU<br>PTS 1,5/S-TWIN-PE                            | 3214589<br>3214592<br>3214602 |
| Width / Length / Height                           |           | [mm]                                 | 3.5 / 50.7 / 38.5                                                                   |                                          | 5.2 / 49 / 43                                                                             |                                          | 3.5 / 50.7 / 38.5                                                                   |                               |
| Current / Voltage // UL                           |           | [A] / [V]                            | 17.5 / 500 // 15 / 600                                                              |                                          | 24 / 800 // 20 / 600                                                                      |                                          | 17.5 / 500 // 15 / 600                                                              |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / -                            | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                        |                                          | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                                |                                          | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                        |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]                                | 0.14 - 1.5 / 0.14 - 1                                                               |                                          | 0.14 - 2.5                                                                                |                                          | 0.14 - 1.5 / 0.14 - 1                                                               |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]                                | 0.34 - 1.5 / 0.25 - 1.5                                                             |                                          | 0.34 - 2.5 / 0.34 - 4                                                                     |                                          | 0.34 - 1.5 / 0.25 - 1.5                                                             |                               |
|                                                   |           |                                      |    |                                          |         |                                          |  |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow         | PTS 2,5 TWIN<br>PTS 2,5 TWIN BU<br>PTS 2,5 TWIN-PE                                  | 3211896<br>3211906<br>3211935            | PTS 1,5/S-QUATTRO<br>PTS 1,5/S-QUATTRO BU<br>PTS 1,5/S-QUATTRO-PE                         | 3214615<br>3214631<br>3214644            | PTS 2,5-QUATTRO<br>PTS 2,5-QUATTRO BU<br>PTS 2,5-QUATTRO-PE                         | 3211993<br>3212002<br>3212011 |
| Width / Length / Height                           |           | [mm]                                 | 5.2 / 49 / 43                                                                       |                                          | 3.5 / 50.7 / 38.5                                                                         |                                          | 5.2 / 49 / 43                                                                       |                               |
| Current / Voltage // UL                           |           | [A] / [V]                            | 24 / 800 // 20 / 600                                                                |                                          | 17.5 / 500 // 15 / 600                                                                    |                                          | 24 / 800 // 20 / 600                                                                |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / -                            | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                          |                                          | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                              |                                          | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                          |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]                                | 0.14 - 2.5                                                                          |                                          | 0.14 - 1.5 / 0.14 - 1                                                                     |                                          | 0.14 - 2.5                                                                          |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]                                | 0.34 - 2.5 / 0.34 - 4                                                               |                                          | 0.34 - 1.5 / 0.25 - 1.5                                                                   |                                          | 0.34 - 2.5 / 0.34 - 4                                                               |                               |
| ...-PV = with equipotential bonding               |           |                                      |   |                                          |        |                                          |                                                                                     |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow<br>Gray | PTTBS 1,5/S<br>PTTBS 1,5/S BU<br>PTTBS 1,5/S-PE<br>PTTBS 1,5/S-PV                   | 3214657<br>3214660<br>3214673<br>3214686 | PTTBS 2,5<br>PTTBS 2,5 BU<br>PTTBS 2,5-PE<br>PTTBS 2,5-PV                                 | 3209604<br>3209617<br>3209620<br>3210211 |                                                                                     |                               |
| Width / Length / Height                           |           | [mm]                                 | 3.5 / 78.8 / 48.2                                                                   |                                          | 5.2 / 78 / 55                                                                             |                                          |                                                                                     |                               |
| Current / Voltage // UL                           |           | [A] / [V]                            | 17.5 / 500 // 15 / 600                                                              |                                          | 22 / 500 // 20 / 600                                                                      |                                          |                                                                                     |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / -                            | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                        |                                          | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                                |                                          |                                                                                     |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]                                | 0.14 - 1.5 / 0.14 - 1                                                               |                                          | 0.14 - 2.5                                                                                |                                          |                                                                                     |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]                                | 0.34 - 1.5 / 0.25 - 1.5                                                             |                                          | 0.34 - 2.5 / 0.34 - 4                                                                     |                                          |                                                                                     |                               |
|                                                   |           |                                      |  |                                          |       |                                          |                                                                                     |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow<br>Gray | PTTBS 2,5-TWIN<br>PTTBS 2,5-TWIN BU<br>PTTBS 2,5-TWIN-PE<br>PTTBS 2,5-TWIN-PV       | 3210600<br>3210601<br>3210602<br>3210603 | PTTBS 2,5-QUATTRO<br>PTTBS 2,5-QUATTRO BU<br>PTTBS 2,5-QUATTRO-PE<br>PTTBS 2,5-QUATTRO-PV | 3210609<br>3210610<br>3210611<br>3210612 |                                                                                     |                               |
| Width / Length / Height                           |           | [mm]                                 | 5.2 / 111.8 / 55                                                                    |                                          | 5.2 / 115.2 / 55                                                                          |                                          |                                                                                     |                               |
| Current / Voltage // UL                           |           | [A] / [V]                            | 24 / 500 // -                                                                       |                                          | 24 / 500 // -                                                                             |                                          |                                                                                     |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / -                            | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                          |                                          | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                                |                                          |                                                                                     |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]                                | 0.14 - 2.5                                                                          |                                          | 0.14 - 2.5                                                                                |                                          |                                                                                     |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]                                | 0.34 - 2.5 / 0.34 - 4                                                               |                                          | 0.34 - 2.5 / 0.34 - 4                                                                     |                                          |                                                                                     |                               |

# Quick, easy, and reliable – PTPOWER high-current terminal blocks with Power-Turn connection

With PTPOWER, the spring high-current terminal blocks can be used to quickly, safely, and easily wire conductors up to 150 mm<sup>2</sup> and 309 ampere thanks to the unique Power-Turn connection technology.

Compact versions of the DIN rail and direct mounting are available.

## Power-Turn Technology

Designed by PHOENIX CONTACT

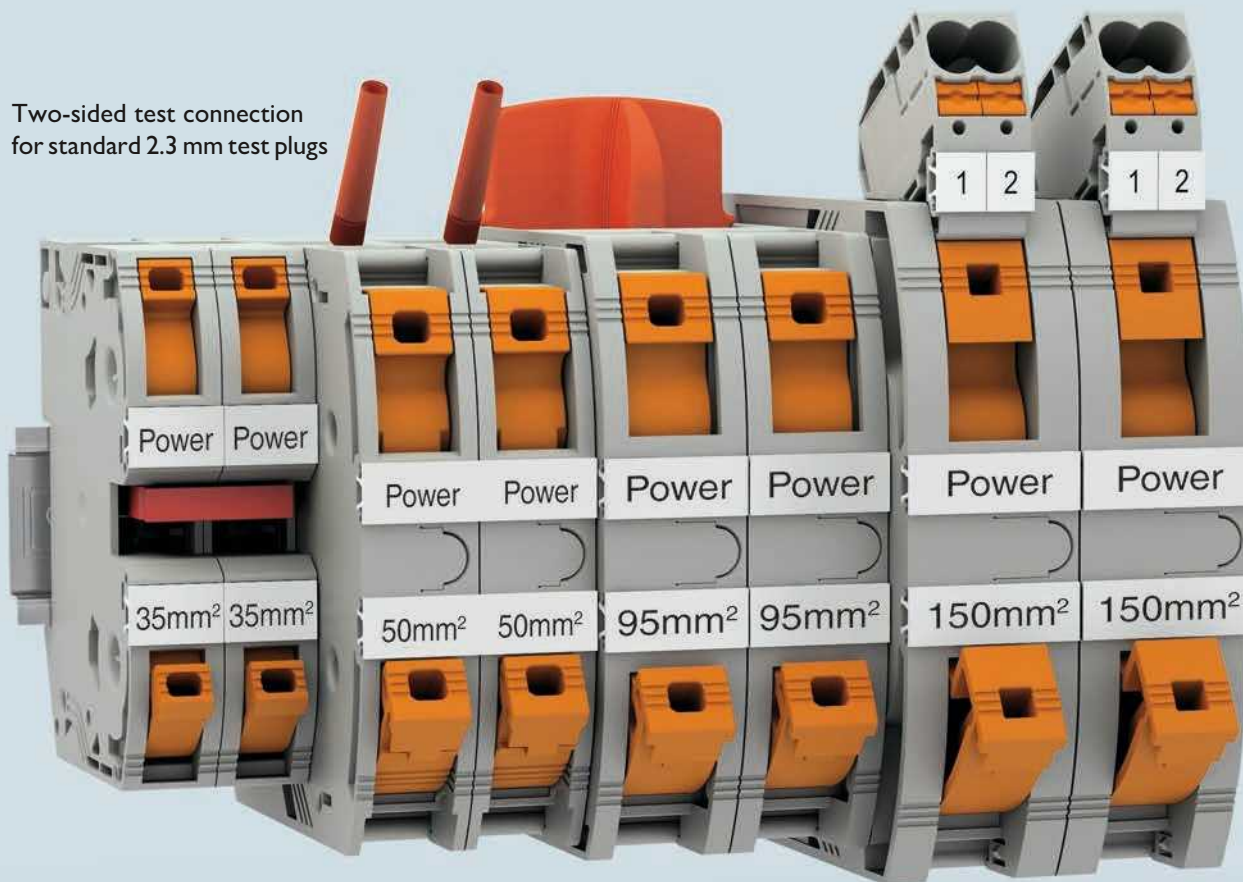


The patented Power-Turn spring connection technology enables large conductors to be connected quickly and easily using a standard screwdriver and a single lever movement. Up to three high-quality spring steel pressure springs work with the prismatic terminal body base to create a vibration-resistant conductor connection that is stable in the long-term.



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.

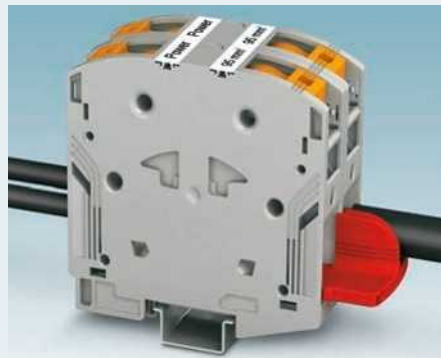
Two-sided test connection  
for standard 2.3 mm test plugs



For maximum overview in the control  
cabinet



With the fully isolated and snap-on  
(optional) tap-off terminal block, you can  
easily achieve your voltage pick-off for  
two conductors up to 16 mm². Large-  
surface marking and integrated 2.3 mm  
test connections.



Distribute your potentials with the  
isolated insertion bridges. They can be  
installed easily without any tools and  
latch securely in the clamping space.



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.

## High-current terminal blocks and blocks for DIN rail mounting

... P = With 4 mm test connection

|                                                   |           |                                                                                                      |                                                                                                  |                                                                |                                                                                                  |                                                                |                                                                                                  |                                                                |
|---------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|                                                   |           |                                                                                                      |                 |                                                                |                |                                                                |               |                                                                |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow<br>Black-yellow<br>Gray<br>Blue                                         | PTPOWER 35<br>PTPOWER 35 BU<br>PTPOWER 35-PE<br>PTPOWER 35-FE<br>PTPOWER 35 P<br>PTPOWER 35 P BU | 3212064<br>3212065<br>3212066<br>3212081<br>3212091<br>3212092 | PTPOWER 50<br>PTPOWER 50 BU<br>PTPOWER 50-PE<br>PTPOWER 50-FE<br>PTPOWER 50 P<br>PTPOWER 50 P BU | 3260050<br>3260051<br>3260052<br>3260063<br>3260065<br>3260066 | PTPOWER 95<br>PTPOWER 95 BU<br>PTPOWER 95-PE<br>PTPOWER 95-FE<br>PTPOWER 95 P<br>PTPOWER 95 P BU | 3260100<br>3260103<br>3260106<br>3260139<br>3260163<br>3260166 |
| Width / Length / Height                           |           | [mm]                                                                                                 | 16 / 90.6 / 62.3                                                                                 |                                                                | 20 / 101 / 105                                                                                   |                                                                | 25 / 105.5 / 108.7                                                                               |                                                                |
| Current / Voltage // UL                           |           | [A] / [V]                                                                                            | 125 / 1500 // -                                                                                  |                                                                | 150 / 1000 // -                                                                                  |                                                                | 232 / 1500 // 230 / 1000                                                                         |                                                                |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / -                                                                                            | 6 - 35 / 10 - 2 // 6 - 35 / 10 - 2                                                               |                                                                | 10 - 70 / 8 - 2/0 // 10 - 70 / 8 - 2/0                                                           |                                                                | 25 - 95 / 4 - 3/0 // 25 - 95 / 4 - 3/0                                                           |                                                                |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]                                                                                                | 6 - 35 / 6 - 35                                                                                  |                                                                | 10 - 50 / 10 - 50                                                                                |                                                                | 25 - 95 / 25 - 95                                                                                |                                                                |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]                                                                                                | 6 - 35 / 6 - 35                                                                                  |                                                                | 10 - 50 / 10 - 50                                                                                |                                                                | 25 - 95 / 25 - 95                                                                                |                                                                |
|                                                   |           |                                                                                                      |                 |                                                                |                                                                                                  |                                                                |                                                                                                  |                                                                |
| Type                                              | Order No. | Gray<br>Blue<br>Black-yellow<br>Gray<br>Blue                                                         | PTPOWER 150<br>PTPOWER 150 BU<br>PTPOWER 150-FE<br>PTPOWER 150-P<br>PTPOWER 150 P BU             | 3215000<br>3215001<br>3215002<br>3215003<br>3215004            |                                                                                                  |                                                                |                                                                                                  |                                                                |
| Width / Length / Height                           |           | [mm]                                                                                                 | 31 / 116.4 / 116.5                                                                               |                                                                |                                                                                                  |                                                                |                                                                                                  |                                                                |
| Current / Voltage // UL                           |           | [A] / [V]                                                                                            | 309 / 1500 // -                                                                                  |                                                                |                                                                                                  |                                                                |                                                                                                  |                                                                |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / -                                                                                            | 35 - 150/2 - 300 Kcmil//35 - 150/2 - 300 Kcmil                                                   |                                                                |                                                                                                  |                                                                |                                                                                                  |                                                                |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]                                                                                                | 35 - 150 / 35 - 150                                                                              |                                                                |                                                                                                  |                                                                |                                                                                                  |                                                                |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]                                                                                                | 35 - 150 / 35 - 150                                                                              |                                                                |                                                                                                  |                                                                |                                                                                                  |                                                                |
|                                                   |           |                                                                                                      |               |                                                                |              |                                                                |             |                                                                |
| Type                                              | Order No. | 3 x gray<br>3 x gray, 1 x blue<br>3 x gray, 1 x black-yellow<br>3 x gray, 1 x blue, 1 x black-yellow | PTPOWER 35-3L<br>PTPOWER 35-3L/N<br>PTPOWER 35-3L/FE<br>PTPOWER 35-3L/N/FE                       | 3212068<br>3212069<br>3212070<br>3212071                       | PTPOWER 50-3L<br>PTPOWER 50-3L/N<br>PTPOWER 50-3L/FE<br>PTPOWER 50-3L/N/FE                       | 3260053<br>3260054<br>3260055<br>3260056                       | PTPOWER 95-3L<br>PTPOWER 95-3L/N<br>PTPOWER 95-3L/FE<br>PTPOWER 95-3L/N/FE                       | 3260109<br>3260112<br>3260115<br>3260118                       |
| Current / Voltage // UL                           |           | [A] / [V]                                                                                            | 125 / 1000 // -                                                                                  |                                                                | 150 / 1000 // -                                                                                  |                                                                | 232 / 1500 // 230 / 1000                                                                         |                                                                |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / -                                                                                            | 6 - 35 / 10 - 2 // 6 - 35 / 10 - 2                                                               |                                                                | 10 - 70 / 8 - 2/0 // 10 - 70 / 8 - 2/0                                                           |                                                                | 25 - 95 / 4 - 3/0 // 25 - 95 / 4 - 3/0                                                           |                                                                |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]                                                                                                | 6 - 35 / 6 - 35                                                                                  |                                                                | 10 - 50 / 10 - 50                                                                                |                                                                | 25 - 95 / 25 - 95                                                                                |                                                                |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]                                                                                                | 6 - 35 / 6 - 35                                                                                  |                                                                | 10 - 50 / 10 - 50                                                                                |                                                                | 25 - 95 / 25 - 95                                                                                |                                                                |
|                                                   |           |                                                                                                      |               |                                                                |                                                                                                  |                                                                |                                                                                                  |                                                                |
| Type                                              | Order No. | 3 x gray<br>3 x gray, 1 x blue<br>3 x gray, 1 x black-yellow<br>3 x gray, 1 x blue, 1 x black-yellow | PTPOWER 150-3L<br>PTPOWER 150-3L/N<br>PTPOWER 150-3L/FE<br>PTPOWER 150-3L/N/FE                   | 3215005<br>3215006<br>3215007<br>3215008                       |                                                                                                  |                                                                |                                                                                                  |                                                                |
| Current / Voltage // UL                           |           | [A] / [V]                                                                                            | 309 / 1500 // -                                                                                  |                                                                |                                                                                                  |                                                                |                                                                                                  |                                                                |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / -                                                                                            | 35 - 150/2 - 300 Kcmil//35 - 150/2 - 300 Kcmil                                                   |                                                                |                                                                                                  |                                                                |                                                                                                  |                                                                |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]                                                                                                | 35 - 150 / 35 - 150                                                                              |                                                                |                                                                                                  |                                                                |                                                                                                  |                                                                |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]                                                                                                | 35 - 150 / 35 - 150                                                                              |                                                                |                                                                                                  |                                                                |                                                                                                  |                                                                |

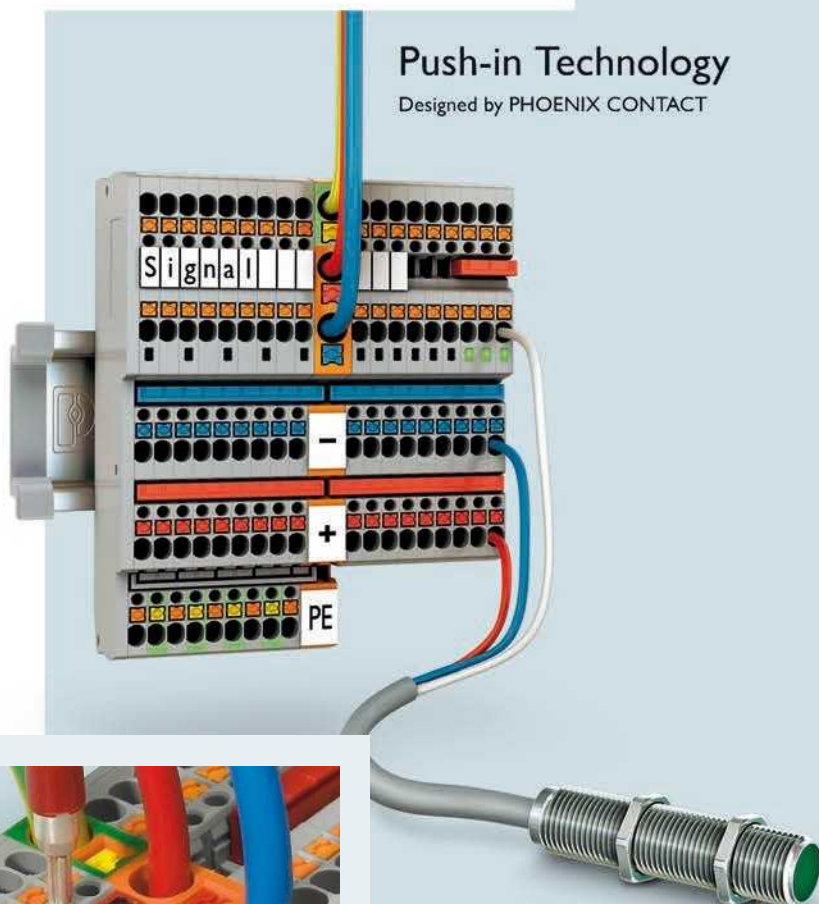
## High-current terminal blocks and blocks for direct mounting

|                                                   |           |                                                                                                      |                                                                                        |                                          |                                                                                     |                                          |                                                                                      |                                          |
|---------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------|
|                                                   |           |                                                                                                      |       |                                          |   |                                          |   |                                          |
| Type                                              | Order No. | Gray<br>Blue<br>Black-yellow                                                                         | PTPOWER 35-F<br>PTPOWER 35-F BU<br>PTPOWER 35-FE-F                                     | 3212078<br>3212079<br>3212082            | PTPOWER 50-F<br>PTPOWER 50-F BU<br>PTPOWER 50-FE-F                                  | 3260061<br>3260062<br>3260064            | PTPOWER 95-F<br>PTPOWER 95-F BU<br>PTPOWER 95-FE-F                                   | 3260133<br>3260136<br>3260142            |
| Width / Length / Height                           |           | [mm]                                                                                                 | 16 / 91.6 / 62.3                                                                       |                                          | 20 / 91.01 / 105                                                                    |                                          | 25 / 139.1 / 99.8                                                                    |                                          |
| Current / Voltage // UL                           |           | [A] / [V]                                                                                            | 125 / 1000 // -                                                                        |                                          | 150 / 1000 // -                                                                     |                                          | 232 / 1500 // 230 / 1000                                                             |                                          |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -                                                                               | 6 - 35 / 10 - 2/0 // 6 - 35 / 10 - 2/0                                                 |                                          | 10 - 70 / 8 - 2/0 // 70 - 70 / 8 - 2/0                                              |                                          | 25 - 95 / 4 - 3/0 // 25 - 95 / 4 - 3/0                                               |                                          |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]                                                                                   | 6 - 35 / 6 - 35                                                                        |                                          | 10 - 50 / 10 - 50                                                                   |                                          | 25 - 95 / 25 - 95                                                                    |                                          |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                                                                                   | 6 - 35 / 6 - 35                                                                        |                                          | 10 - 50 / 10 - 50                                                                   |                                          | 25 - 95 / 25 - 95                                                                    |                                          |
|                                                   |           |                                                                                                      |       |                                          |                                                                                     |                                          |                                                                                      |                                          |
| Type                                              | Order No. | Gray<br>Blue<br>Black-yellow                                                                         | PTPOWER 150-F<br>PTPOWER 150-F BU<br>PTPOWER 150-FE-F                                  | 3215030<br>3215031<br>3215032            |                                                                                     |                                          |                                                                                      |                                          |
| Width / Length / Height                           |           | [mm]                                                                                                 | 31 / 150 / 108.3                                                                       |                                          |                                                                                     |                                          |                                                                                      |                                          |
| Current / Voltage // UL                           |           | [A] / [V]                                                                                            | 309 / 1500 // -                                                                        |                                          |                                                                                     |                                          |                                                                                      |                                          |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -                                                                               | 35 - 150 / 2 - 300 Kcmil // 35 - 150 / 2 - 300 Kcmil                                   |                                          |                                                                                     |                                          |                                                                                      |                                          |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]                                                                                   | 35 - 150 / 35 - 150                                                                    |                                          |                                                                                     |                                          |                                                                                      |                                          |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                                                                                   | 35 - 150 / 35 - 150                                                                    |                                          |                                                                                     |                                          |                                                                                      |                                          |
|                                                   |           |                                                                                                      |     |                                          |  |                                          |  |                                          |
| Type                                              | Order No. | 3 x gray<br>3 x gray, 1 x blue<br>3 x gray, 1 x black-yellow<br>3 x gray, 1 x blue, 1 x black-yellow | PTPOWER 35-3L-F<br>PTPOWER 35-3L/N-F<br>PTPOWER 35-3L/FE-F<br>PTPOWER 35-3L/N/FE-F     | 3212072<br>3212073<br>3212075<br>3212076 | PTPOWER 50-3L-F<br>PTPOWER 50-3L/N-F<br>PTPOWER 50-3L/FE-F<br>PTPOWER 50-3L/N/FE-F  | 3260057<br>3260058<br>3260059<br>3260060 | PTPOWER 95-3L-F<br>PTPOWER 95-3L/N-F<br>PTPOWER 95-3L/FE-F<br>PTPOWER 95-3L/N/FE-F   | 3260121<br>3260124<br>2360127<br>3260130 |
| Current / Voltage // UL                           |           | [A] / [V]                                                                                            | 125 / 1000 // -                                                                        |                                          | 150 / 1000 // -                                                                     |                                          | 232 / 1500 // 230 / 1000                                                             |                                          |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -                                                                               | 6 - 35 / 10 - 2 // 6 - 35 / 10 - 2                                                     |                                          | 10 - 70 / 8 - 2/0 // 70 - 70 / 8 - 2/0                                              |                                          | 25 - 95 / 4 - 3/0 // 25 - 95 / 4 - 3/0                                               |                                          |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]                                                                                   | 6 - 35 / 6 - 35                                                                        |                                          | 10 - 50 / 10 - 50                                                                   |                                          | 25 - 95 / 25 - 95                                                                    |                                          |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                                                                                   | 6 - 35 / 6 - 35                                                                        |                                          | 10 - 50 / 10 - 50                                                                   |                                          | 25 - 95 / 25 - 95                                                                    |                                          |
|                                                   |           |                                                                                                      |     |                                          |                                                                                     |                                          |                                                                                      |                                          |
| Type                                              | Order No. | 3 x gray<br>3 x gray, 1 x blue<br>3 x gray, 1 x black-yellow<br>3 x gray, 1 x blue, 1 x black-yellow | PTPOWER 150-3L-F<br>PTPOWER 150-3L/N-F<br>PTPOWER 150-3L/FE-F<br>PTPOWER 150-3L/N/FE-F | 3215033<br>3215034<br>3215035<br>3215036 |                                                                                     |                                          |                                                                                      |                                          |
| Current / Voltage // UL                           |           | [A] / [V]                                                                                            | 309 / 1500 // -                                                                        |                                          |                                                                                     |                                          |                                                                                      |                                          |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -                                                                               | 35 - 150 / 2 - 300 Kcmil // 35 - 150 / 2 - 300 Kcmil                                   |                                          |                                                                                     |                                          |                                                                                      |                                          |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]                                                                                   | 35 - 150 / 35 - 150                                                                    |                                          |                                                                                     |                                          |                                                                                      |                                          |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                                                                                   | 35 - 150 / 35 - 150                                                                    |                                          |                                                                                     |                                          |                                                                                      |                                          |

# Compact and flexible – PTIO sensor/actuator terminal blocks with push-in connection

Wire sensors and actuators easily and clearly in state-of-the-art machine and system controllers using compact sensor/actuator terminal blocks with 3.5 mm terminal width.

All PTIO terminal blocks feature the same shape and can be consistently bridged with the CLIPLINE complete jumper system to offer maximum flexibility.



Power terminal blocks of the same shape allow easy potential distribution and simple expansion of terminal block groups.



The signal level can be given a large label for ease of recognition. LED indicator variants are available to uniquely signal the switching states. Potentials from the signal conducting level can optionally be bridged.

## Three-conductor initiator/actuator terminal blocks

... LED 24 RD = Red LED display  
 ... LED 24 GN = Green LED display  
 \*) For 15 - 30 V DC, 0.31- 0.95 mA



| Type                                              | Order No. | Gray<br>Gray<br>Gray<br>Gray | PTIO 1,5/S/3                                 | 3244410 | PTIO 1,5/S/3-LED 24 RD*)<br>PTIO 1,5/S/3-LED 24 GN*) | 3244423<br>3244436 | PTIO 1,5/S/3-PE                              | 3244449 |
|---------------------------------------------------|-----------|------------------------------|----------------------------------------------|---------|------------------------------------------------------|--------------------|----------------------------------------------|---------|
| Width / Length / Height                           |           | [mm]                         | 3.5 / 74.4 / 41.5                            |         | 3.5 / 74.4 / 41.5                                    |                    | 3.5 / 74.4 / 41.5                            |         |
| Current / Voltage // UL                           |           | [A] / [V]                    | 13.5 / 250 //                                |         | 13.5 / 250 //                                        |                    | 13.5 / 250 //                                |         |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / -                    | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14 |         | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14         |                    | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14 |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]                        | 0.14 - 1.5 / 0.14 - 1                        |         | 0.14 - 1.5 / 0.14 - 1                                |                    | 0.14 - 1.5 / 0.14 - 1                        |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]                        | 0.34 - 1.5 / 0.25 - 1.5                      |         | 0.34 - 1.5 / 0.25 - 1.5                              |                    | 0.34 - 1.5 / 0.25 - 1.5                      |         |

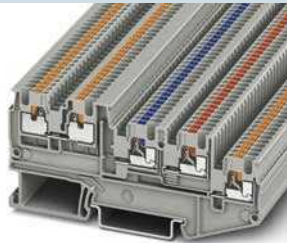
Three-wire power terminal



| Type                                              | Order No. | Orange    | PTIO-IN 2,5/3 OG                         | 3244559 |  |  |  |  |
|---------------------------------------------------|-----------|-----------|------------------------------------------|---------|--|--|--|--|
| Width / Length / Height                           |           | [mm]      | 7 / 74.4 / 41.5                          |         |  |  |  |  |
| Current / Voltage // UL                           |           | [A] / [V] | 20 / 250 //                              |         |  |  |  |  |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / - | 0.2 - 4 / 24 - 12 // 0.2 - 2.5 / 24 - 14 |         |  |  |  |  |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]     | 0.2 - 2.5                                |         |  |  |  |  |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]     | 0.34 - 2.5 / 0.34 - 4                    |         |  |  |  |  |

## Four-wire proximity switch/actuator terminal blocks

... LED 24 RD = Red LED display  
 ... LED 24 GN = Green LED display  
 \*) For 15 - 30 V DC, 0.31- 0.95 mA



| Type                                              | Order No. | Gray<br>Gray<br>Gray<br>Gray | PTIO 1,5/S/4                                 | 3244452 | PTIO 1,5/S/4-LED 24 RD*)<br>PTIO 1,5/S/4-LED 24 GN*) | 3244517<br>3244520 | PTIO 1,5/S/4-PE                              | 3244465 |
|---------------------------------------------------|-----------|------------------------------|----------------------------------------------|---------|------------------------------------------------------|--------------------|----------------------------------------------|---------|
| Width / Length / Height                           |           | [mm]                         | 3.5 / 90.8 / 41.5                            |         | 3.5 / 90.8 / 41.5                                    |                    | 3.5 / 90.8 / 41.5                            |         |
| Current / Voltage // UL                           |           | [A] / [V]                    | 13.5 / 250 //                                |         | 13.5 / 250 //                                        |                    | 13.5 / 250 //                                |         |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / -                    | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14 |         | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14         |                    | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14 |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]                        | 0.14 - 1.5 / 0.14 - 1                        |         | 0.14 - 1.5 / 0.14 - 1                                |                    | 0.14 - 1.5 / 0.14 - 1                        |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]                        | 0.34 - 1.5 / 0.25 - 1.5                      |         | 0.34 - 1.5 / 0.25 - 1.5                              |                    | 0.34 - 1.5 / 0.25 - 1.5                      |         |

Four-wire power terminal



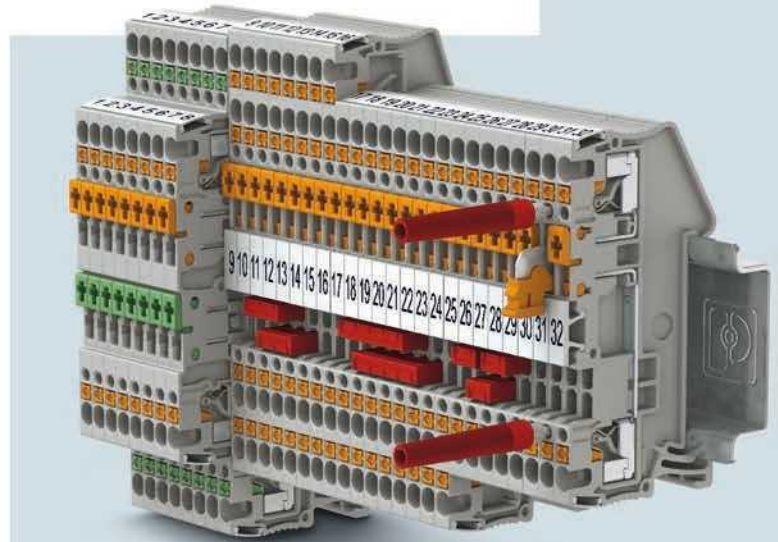
| Type                                              | Order No. | Orange    | PTIO-IN 2,5/4-PE OG                      | 3244481 |  |  |  |  |
|---------------------------------------------------|-----------|-----------|------------------------------------------|---------|--|--|--|--|
| Width / Length / Height                           |           | [mm]      | 7 / 90.8 / 41.5                          |         |  |  |  |  |
| Current / Voltage // UL                           |           | [A] / [V] | 20 / 250 //                              |         |  |  |  |  |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / - | 0.2 - 4 / 24 - 12 // 0.2 - 2.5 / 24 - 14 |         |  |  |  |  |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]     | 0.2 - 2.5                                |         |  |  |  |  |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]     | 0.34 - 2.5 / 0.34 - 4                    |         |  |  |  |  |

# Compact and functional – PT disconnect and knife disconnect terminal blocks with push-in connection

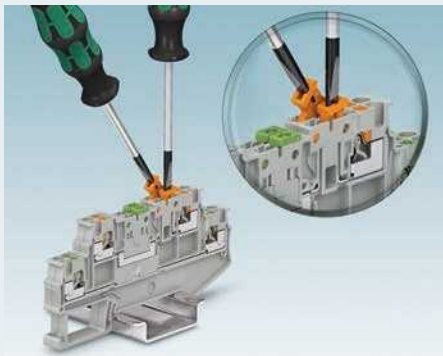
With a width of just 3.5 mm, the new terminal blocks now combine push-in connection and knife disconnection for conductors up to 1.5 mm<sup>2</sup>.

The product program of the compact modular terminal blocks include feed-through, multiple conductor, and double-level terminal blocks.

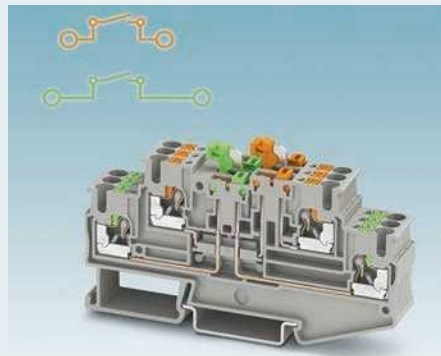
With the space-saving knife disconnect terminal blocks, you can achieve as yet unrivaled signal density for modular terminal blocks. This allows saving up to 30% in the control cabinet for the control wiring.



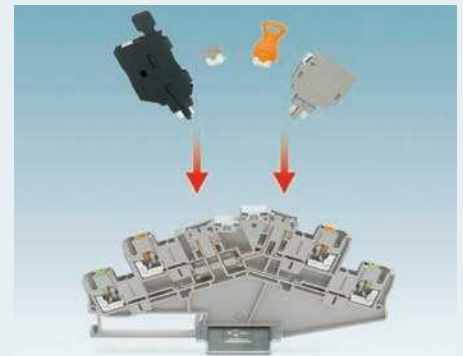
**Push-in Technology**  
Designed by PHOENIX CONTACT



The actuation cross on the disconnect knife enables the use of different size screwdrivers. All terminal blocks offer an additional test contact on both sides of the disconnect point for test plugs with a 2.3 mm diameter.



Disconnect knives and actuation levers of the same color provide clear assignment of connection levels when dealing with two disconnect levels. Each terminal point can be given a large label for ease of recognition, a prerequisite for a safe and time-saving installation.



In the range of 2.5 mm<sup>2</sup> terminal blocks, two-tier disconnect terminal blocks with one or two universal disconnect zones are available. The disconnect zone accommodates various plugs such as fuse plugs, component connectors, and isolating plugs.

## Disconnect terminal blocks for accommodating function connectors

... MTD = Feed-through terminal block with the same shape



| Type                                              | Order No. | Gray      | PTC 2,5-TG                                 | 3270088 | PTC 2,5-TWIN-TG                            | 3270091 | PTC 2,5-QUATTRO-TG                         | 3270094 |
|---------------------------------------------------|-----------|-----------|--------------------------------------------|---------|--------------------------------------------|---------|--------------------------------------------|---------|
|                                                   |           | Gray      | PTC 2,5-MTD                                | 3270106 | PTC 2,5-TWIN-MTD                           | 3270110 |                                            |         |
|                                                   |           | Blue      | PTC 2,5-MTD BU                             | 3270109 | PTC 2,5-TWIN-MTD BU                        | 3270111 |                                            |         |
| Width / Length / Height                           |           | [mm]      | 5.2 / 56 / 36.5                            |         | 5.2 / 67.8 / 36.5                          |         | 5.2 / 79.6 / 36.5                          |         |
| Current / Voltage // UL                           |           | [A] / [V] | 20 / 400 // -                              |         | 20 / 400 // -                              |         | 20 / 400 // -                              |         |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / - | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |         | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |         | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]     | 0.14 - 2.5                                 |         | 0.14 - 2.5                                 |         | 0.14 - 2.5                                 |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]     | 0.34 - 2.5 / 0.34 - 4                      |         | 0.34 - 2.5 / 0.34 - 4                      |         | 0.34 - 2.5 / 0.34 - 4                      |         |



| Type                                              | Order No. | Gray      | PT 2,5-TG                                  | 3210185 | PT 2,5-TWIN-TG                             | 3210198 | PT 2,5-QUATTRO-TG                          | 3210208 |
|---------------------------------------------------|-----------|-----------|--------------------------------------------|---------|--------------------------------------------|---------|--------------------------------------------|---------|
| Width / Length / Height                           |           | [mm]      | 5.2 / 62 / 36.5                            |         | 5.2 / 74 / 36.5                            |         | 5.2 / 84 / 36.5                            |         |
| Current / Voltage // UL                           |           | [A] / [V] | 20 / 400 // 20 / 300                       |         | 20 / 400 // 20 / 300                       |         | 20 / 400 // 20 / 300                       |         |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / - | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |         | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |         | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]     | 0.14 - 2.5                                 |         | 0.14 - 2.5                                 |         | 0.14 - 2.5                                 |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]     | 0.34 - 2.5 / 0.34 - 4                      |         | 0.34 - 2.5 / 0.34 - 4                      |         | 0.34 - 2.5 / 0.34 - 4                      |         |

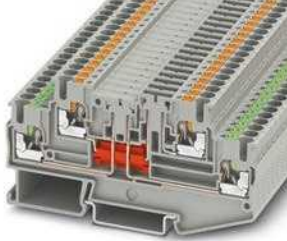
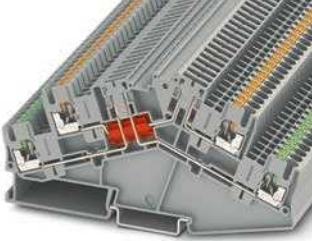
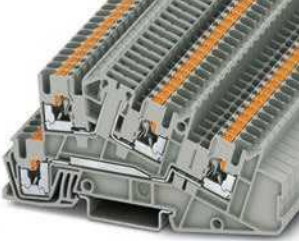


| Type                                              | Order No. | Gray      | PT 2,5-TGB                                 | 3210192 | PT 2,5-TWIN-TGB                            | 3210193 | PT 2,5-QUATTRO-TGB                         | 3210194 |
|---------------------------------------------------|-----------|-----------|--------------------------------------------|---------|--------------------------------------------|---------|--------------------------------------------|---------|
| Width / Length / Height                           |           | [mm]      | 5.2 / 70.1 / 36.8                          |         | 5.2 / 81.9 / 36.7                          |         | 5.2 / 92.2 / 36.7                          |         |
| Current / Voltage // UL                           |           | [A] / [V] | 16 / 400 // 16 / 600                       |         | 16 / 400 // 16 / 600                       |         | 16 / 400 // 16 / 600                       |         |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / - | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |         | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |         | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]     | 0.14 - 2.5                                 |         | 0.14 - 2.5                                 |         | 0.14 - 2.5                                 |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]     | 0.34 - 2.5 / 0.34 - 4                      |         | 0.34 - 2.5 / 0.34 - 4                      |         | 0.34 - 2.5 / 0.34 - 4                      |         |



| Type                                              | Order No. | Gray      | PT 4-TG                                | 3211922 | PTU 4-TG                               | 3209542 |  |  |
|---------------------------------------------------|-----------|-----------|----------------------------------------|---------|----------------------------------------|---------|--|--|
|                                                   |           | Gray      |                                        |         | PTU 4-TG-P                             | 3209541 |  |  |
| Width / Length / Height                           |           | [mm]      | 6.2 / 56 / 36.5                        |         | 6.2 / 71 / 42.8                        |         |  |  |
| Current / Voltage // UL                           |           | [A] / [V] | 20 / 400 // 20 / 300                   |         | 20 / 400 // -                          |         |  |  |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / - | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12 |         | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12 |         |  |  |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]     | 0.25 - 4                               |         | 0.25 - 4                               |         |  |  |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]     | 0.5 - 4 / 0.5 - 6                      |         | 0.5 - 4 / 0.5 - 6                      |         |  |  |

## Disconnect terminal blocks for accommodating function connectors

|                                                   |           |                        |                                                                                   |                    |                                                                                    |         |
|---------------------------------------------------|-----------|------------------------|-----------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------|---------|
|                                                   |           |                        |  |                    |  |         |
| Type                                              | Order No. | Gray Blue              | PTT 2,5-L/TG<br>PTT 2,5-L/TG BU                                                   | 3210230<br>3210270 | PTTBS 2,5-2TGB                                                                     | 3210402 |
| Width / Length / Height                           |           | [mm]                   | 5.2 / 92.4 / 47.4                                                                 |                    | 5.2 / 127.5 / 64.3                                                                 |         |
| Current / Voltage // UL                           |           | [A] / [V]              | 16 / 400 // 16 / 300                                                              |                    | 16 / 400 // 16 / 300                                                               |         |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / – | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                        |                    | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                         |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]     | 0.14 - 2.5                                                                        |                    | 0.14 - 2.5                                                                         |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 0.34 - 2.5 / 0.34 - 4                                                             |                    | 0.34 - 2.5 / 0.34 - 4                                                              |         |
| ') 16 A disconnect level                          |           |                        |  |                    |  |         |
| Type                                              | Order No. | Gray                   | PTI 2,5-L/TG                                                                      | 3213961            | PTI 2,5-PE/L/TG                                                                    | 3213960 |
| Width / Length / Height                           |           | [mm]                   | 5.2 / 101 / 50.5                                                                  |                    | 5.2 / 101 / 50.5                                                                   |         |
| Current / Voltage // UL                           |           | [A] / [V]              | 24 <sup>3)</sup> / 400 // 20 / 300                                                |                    | 24 <sup>3)</sup> / 400 // 20 / 300                                                 |         |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / – | 0.14 - 4 / 26 - 12 // 0.14 - 4 / 26 - 12                                          |                    | 0.14 - 4 / 26 - 12 // 0.14 - 4 / 26 - 12                                           |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]     | 0.14 - 2.5                                                                        |                    | 0.14 - 2.5                                                                         |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 0.34 - 2.5 / 0.34 - 4                                                             |                    | 0.34 - 2.5 / 0.34 - 4                                                              |         |

## Function plugs for disconnect terminal blocks

|                                                                                                                                                                                                                                                               |           |                                   |                                                                                     |                                                                                      |                                                                                                                                                      |                    |                                   |         |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|-----------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|-----------------------------------|---------|
|                                                                                                                                                                                                                                                               |           |                                   |    |                                                                                      |                                                                    |                    |                                   |         |
| Type                                                                                                                                                                                                                                                          | Order No. | Gray<br>Orange                    | P-FIX                                                                               | 3038956                                                                              | P-DI                                                                                                                                                 | 3036783            |                                   |         |
| Width / Length / Height<br>Current / Voltage                                                                                                                                                                                                                  |           | [mm]<br>[A] / [V]                 | 4 / 10.5 / -<br>20 / -                                                              |                                                                                      | 3.5 / 10.8 / 23.1<br>20 / -                                                                                                                          |                    |                                   |         |
| Diode 1N 4007,<br>reverse voltage 1300 V,<br>maximum continuous current 1 A<br><br>... L-R = Diode conducting direction from left to right<br>... R-L = Diode conducting direction from right to left<br>1) Max. 1 W power dissipation for single arrangement |           |                                   |    |    |                                                                                                                                                      |                    |                                   |         |
| Type                                                                                                                                                                                                                                                          | Order No. | Gray<br>Gray<br>Gray<br><br>Black | P-CO<br>P-CO 1N4007/R-L<br>P-CO 1N4007/L-R                                          | 3036796<br>3032457<br>3032460                                                        | P-CO 2-5 R47K component connector, with<br>47 kohm resistor, contacts two adjacent terminal<br>blocks at 5.2 mm in bridge shaft<br><br>P-CO 2-5 R47K | 3032447            |                                   |         |
| Width / Length / Height<br>Current / Voltage                                                                                                                                                                                                                  |           | [mm]<br>[A] / [V]                 | 5.2 / 24 / 22<br>6 <sup>1)</sup> / -                                                |                                                                                      |                                                                                                                                                      |                    |                                   |         |
| ... LED = LED display<br><br>1) For 12 - 30 V DC, 0.31 - 0.95 mA<br>2) For 30 - 60 V AC/DC, 0.40 - 0.86 mA<br>3) For 110 - 250 V AC/DC, 0.41 - 0.96 mA                                                                                                        |           |                                   |  |  |                                                                 |                    |                                   |         |
| Type                                                                                                                                                                                                                                                          | Order No. | Black<br>Black                    | P-FU 5X20-5                                                                         | 3209235                                                                              | P-FU 5X20 LED 24-5 <sup>1)</sup><br>P-FU 5X20 LED 60-5 <sup>2)</sup>                                                                                 | 3209248<br>3209251 | P-FU 5X20 LED 250-5 <sup>1)</sup> | 3209264 |
| Width / Length / Height<br>Current / Voltage                                                                                                                                                                                                                  |           | [mm]<br>[A] / [V]                 | 5.2 / 23.5 / 45.5<br>6.3 / 400                                                      |                                                                                      | 5.2 / 23.5 / 45.5<br>6.3 / 24, 60                                                                                                                    |                    | 5.2 / 23.5 / 45.5<br>6.3 / 250    |         |
| ... LED / ...LA = LED display<br><br>1) For 12 - 30 V DC, 0.31 - 0.95 mA<br>2) For 30 - 60 V AC/DC, 0.40 - 0.86 mA<br>3) For 110 - 250 V AC/DC, 0.41 - 0.96 mA                                                                                                |           |                                   |  |  |                                                                 |                    |                                   |         |
| Type                                                                                                                                                                                                                                                          | Order No. | Black<br>Black                    | P-FU 5X20                                                                           | 3036806                                                                              | P-FU 5X20 LED 24 <sup>1)</sup><br>P-FU 5X20 LED 60 <sup>2)</sup>                                                                                     | 3036819<br>3036822 | P-FU 5X20 LA 250 <sup>3)</sup>    | 3036835 |
| Width / Length / Height<br>Current / Voltage                                                                                                                                                                                                                  |           | [mm]<br>[A] / [V]                 | 6.2 / 28 / 25<br>6.3 / 500                                                          |                                                                                      | 6.2 / 28 / 25<br>6.3 / 24, 60                                                                                                                        |                    | 6.2 / 28 / 25<br>6.3 / 250        |         |

## Knife disconnect terminal blocks

... MTD = Feed-through terminal block with the same shape

|                                                   |           |                              |                                                                  |                                          |                                                                                      |                                          |                                                                                                  |                                          |
|---------------------------------------------------|-----------|------------------------------|------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------|------------------------------------------|--------------------------------------------------------------------------------------------------|------------------------------------------|
| Type                                              | Order No. | Gray<br>Blue<br>Gray<br>Blue | PT 1,5/S-MT<br>PT 1,5/S-MT BU<br>PT 1,5/S-MTD<br>PT 1,5/S-MTD BU | 3210301<br>3210302<br>3210308<br>3210309 | PT 1,5/S-TWIN-MT<br>PT 1,5/S-TWIN-MT BU<br>PT 1,5/S-TWIN-MTD<br>PT 1,5/S-TWIN-MTD BU | 3210311<br>3210312<br>3210317<br>3210319 | PT 1,5/S-QUATTRO-MT<br>PT 1,5/S-QUATTRO-MT BU<br>PT 1,5/S-QUATTRO-MTD<br>PT 1,5/S-QUATTRO-MTD BU | 3210321<br>3210322<br>3210328<br>3210329 |
| Width / Length / Height                           |           | [mm]                         | 3.5 / 58.9 / 32                                                  |                                          | 3.5 / 67.8 / 32                                                                      |                                          | 3.5 / 76.9 / 32                                                                                  |                                          |
| Current / Voltage // UL                           |           | [A] / [V]                    | 10 / 400 // 10 / 300                                             |                                          | 10 / 400 // 10 / 300                                                                 |                                          | 10 / 400 // 10 / 300                                                                             |                                          |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -       | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                     |                                          | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                         |                                          | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                                     |                                          |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ] / -       | 0.14 - 1.5 / 0.14 - 1                                            |                                          | 0.14 - 1.5 / 0.14 - 1                                                                |                                          | 0.14 - 1.5 / 0.14 - 1                                                                            |                                          |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]           | 0.34 - 1.5 / 0.25 - 1.5                                          |                                          | 0.34 - 1.5 / 0.25 - 1.5                                                              |                                          | 0.34 - 1.5 / 0.25 - 1.5                                                                          |                                          |

... MTD = Feed-through terminal block with the same shape

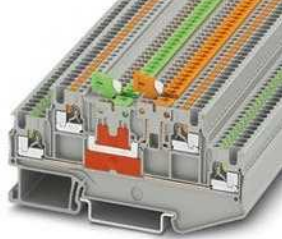
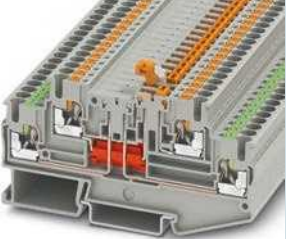
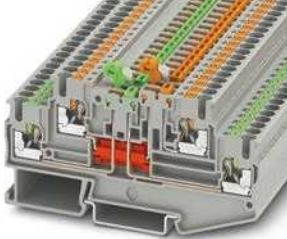
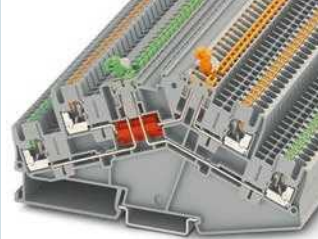
|                                                   |           |                        |                                                   |                               |                                                            |                               |                                            |         |
|---------------------------------------------------|-----------|------------------------|---------------------------------------------------|-------------------------------|------------------------------------------------------------|-------------------------------|--------------------------------------------|---------|
| Type                                              | Order No. | Gray<br>Gray<br>Blue   | PTC 2,5-MT<br>PTC 2,5-MT-MTD<br>PTC 2,5-MT-MTD BU | 3270079<br>3270106<br>3270109 | PTC 2,5-TWIN-MT<br>PTC 2,5-TWIN-MTD<br>PTC 2,5-TWIN-MTD BU | 3270082<br>3270110<br>3270111 | PTC 2,5-QUATTRO-MT                         | 3270085 |
| Width / Length / Height                           |           | [mm]                   | 5.2 / 56 / 36.5                                   |                               | 5.2 / 67.8 / 36.5                                          |                               | 5.2 / 79.6 / 36.5                          |         |
| Current / Voltage // UL                           |           | [A] / [V]              | 20 / 400 // -                                     |                               | 20 / 400 // -                                              |                               | 20 / 400 // -                              |         |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / - | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14        |                               | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                 |                               | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ] / - | 0.14 - 2.5                                        |                               | 0.14 - 2.5                                                 |                               | 0.14 - 2.5                                 |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 0.34 - 2.5 / 0.34 - 4                             |                               | 0.34 - 2.5 / 0.34 - 4                                      |                               | 0.34 - 2.5 / 0.34 - 4                      |         |

|                                                   |           |                        |                                            |                    |                                            |                    |                                            |                    |
|---------------------------------------------------|-----------|------------------------|--------------------------------------------|--------------------|--------------------------------------------|--------------------|--------------------------------------------|--------------------|
| Type                                              | Order No. | Gray<br>Blue           | PT 2,5-MT<br>PT 2,5-MT BU                  | 3210156<br>3211650 | PT 2,5-TWIN-MT<br>PT 2,5-TWIN-MT BU        | 3210169<br>3211663 | PT 2,5-QUATTRO-MT<br>PT 2,5-QUATTRO-MT BU  | 3210172<br>3211676 |
| Width / Length / Height                           |           | [mm]                   | 5.2 / 62 / 36.5                            |                    | 5.2 / 74 / 36.5                            |                    | 5.2 / 84 / 36.5                            |                    |
| Current / Voltage // UL                           |           | [A] / [V]              | 20 / 400 // 20 / 300                       |                    | 20 / 400 // 20 / 300                       |                    | 20 / 400 // 20 / 300                       |                    |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / - | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |                    | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |                    | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |                    |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ] / - | 0.14 - 2.5                                 |                    | 0.14 - 2.5                                 |                    | 0.14 - 2.5                                 |                    |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 0.34 - 2.5 / 0.34 - 4                      |                    | 0.34 - 2.5 / 0.34 - 4                      |                    | 0.34 - 2.5 / 0.34 - 4                      |                    |

|                                                   |           |                        |                                            |                    |                                            |                    |                                             |                    |
|---------------------------------------------------|-----------|------------------------|--------------------------------------------|--------------------|--------------------------------------------|--------------------|---------------------------------------------|--------------------|
| Type                                              | Order No. | Gray<br>Blue           | PT 2,5-MTB<br>PT 2,5-MTB BU                | 3210157<br>3210163 | PT 2,5-TWIN-MTB<br>PT 2,5-TWIN-MTB BU      | 3210170<br>3210177 | PT 2,5-QUATTRO-MTB<br>PT 2,5-QUATTRO-MTB BU | 3210184<br>3210191 |
| Width / Length / Height                           |           | [mm]                   | 5.2 / 70.1 / 36.7                          |                    | 5.2 / 81.9 / 36.7                          |                    | 5.2 / 92.2 / 36.7                           |                    |
| Current / Voltage // UL                           |           | [A] / [V]              | 16 / 400 // 20 / 600                       |                    | 16 / 400 // 16 / 600                       |                    | 16 / 400 // 16 / 600                        |                    |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / - | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |                    | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |                    | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14  |                    |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ] / - | 0.14 - 2.5                                 |                    | 0.14 - 2.5                                 |                    | 0.14 - 2.5                                  |                    |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 0.34 - 2.5 / 0.34 - 4                      |                    | 0.34 - 2.5 / 0.34 - 4                      |                    | 0.34 - 2.5 / 0.34 - 4                       |                    |

## Knife disconnect terminal blocks

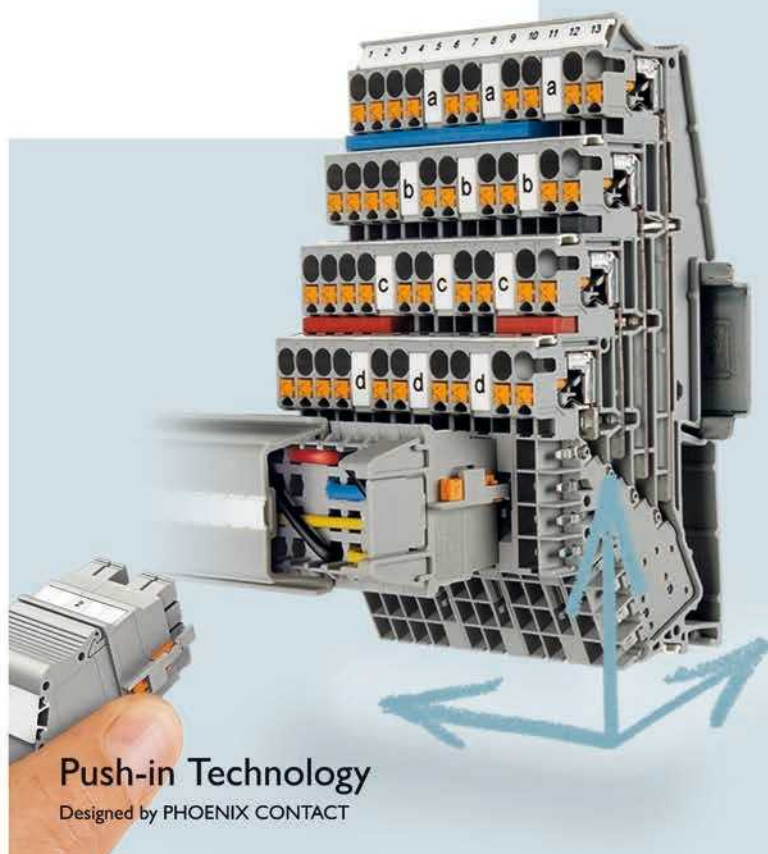
... MTD = Feed-through terminal block with the same shape

|                                                   |           |                        |                                                                                     |         |                                                                                      |         |                                                                                                   |         |
|---------------------------------------------------|-----------|------------------------|-------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------------------|---------|
|                                                   |           |                        |    |         |    |         |                |         |
| Type                                              | Order No. | Gray                   | PT 4-MT                                                                             | 3211933 | PTU 4-MT                                                                             | 3209538 | PTU 4-MT-P                                                                                        | 3209532 |
|                                                   |           | Gray                   |                                                                                     |         | PTU 4-MTD                                                                            | 3209539 | PTU 4-MTD-P                                                                                       | 3209540 |
| Width / Length / Height                           |           | [mm]                   | 6.2 / 56 / 36.5                                                                     |         | 6.2 / 71 / 42.8                                                                      |         | 6.2 / 71 / 42.8                                                                                   |         |
| Current / Voltage // UL                           |           | [A] / [V]              | 20 / 400 // 20 / 300                                                                |         | 20 / 400 // -                                                                        |         | 20 / 400 // -                                                                                     |         |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / - | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                              |         | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                               |         | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                                            |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ] / - | 0.25 - 4                                                                            |         | 0.25 - 4                                                                             |         | 0.25 - 4                                                                                          |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 0.5 - 4 / 0.5 - 6                                                                   |         | 0.5 - 4 / 0.5 - 6                                                                    |         | 0.5 - 4 / 0.5 - 6                                                                                 |         |
|                                                   |           |                        |    |         |    |         |                |         |
| Type                                              | Order No. | Gray                   | PTT 1,5/S-L/MT                                                                      | 3210341 | PTT 1,5/S-2MT                                                                        | 3210351 | PTT 1,5/S-2L                                                                                      | 3210356 |
|                                                   |           | Blue                   | PTT 1,5/S-L/MT BU                                                                   | 3210342 | PTT 1,5/S-2MT BU                                                                     | 3210352 | PTT 1,5/S-2L BU                                                                                   | 3210357 |
| Width / Length / Height                           |           | [mm]                   | 3.5 / 86 / 42.6                                                                     |         | 3.5 / 86 / 42.6                                                                      |         | 3.5 / 86 / 42.6                                                                                   |         |
| Current / Voltage // UL                           |           | [A] / [V]              | 9 / 400 // 10 / 300                                                                 |         | 9 / 400 // 10 / 300                                                                  |         | 9 / 400 // 10 / 300                                                                               |         |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / - | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                        |         | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                         |         | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                                      |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ] / - | 0.14 - 1.5 / 0.14 - 1                                                               |         | 0.14 - 1.5 / 0.14 - 1                                                                |         | 0.14 - 1.5 / 0.14 - 1                                                                             |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 0.34 - 1.5 / 0.25 - 1.5                                                             |         | 0.34 - 1.5 / 0.25 - 1.5                                                              |         | 0.34 - 1.5 / 0.25 - 1.5                                                                           |         |
|                                                   |           |                        |   |         |   |         |               |         |
| Type                                              | Order No. | Gray                   | PTT 2,5-L/MT                                                                        | 3210251 | PTT 2,5-2MT                                                                          | 3210258 | PTTBS 2,5-2MTB                                                                                    | 3210400 |
|                                                   |           | Blue                   | PTT 2,5-L/MT BU                                                                     | 3210257 | PTT 2,5-2MT BU                                                                       | 3210265 | PTTBS 2,5-2MTB BU                                                                                 | 3210401 |
|                                                   |           | Gray                   | PTT 2,5-2L                                                                          | 3210267 | PTT 2,5-2L                                                                           | 3210267 |                                                                                                   |         |
|                                                   |           | Blue                   | PTT 2,5-2L BU                                                                       | 3210268 | PTT 2,5-2L BU                                                                        | 3210268 |                                                                                                   |         |
| Width / Length / Height                           |           | [mm]                   | 5.2 / 92.4 / 47.4                                                                   |         | 5.2 / 92.4 / 47.4                                                                    |         | 5.2 / 127.5 / 64.3                                                                                |         |
| Current / Voltage // UL                           |           | [A] / [V]              | 20 / 400 // 16 / 300                                                                |         | 16 / 400 // 16 / 300                                                                 |         | 16 / 400 // 16 / 300                                                                              |         |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / - | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                          |         | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                           |         | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                                        |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ] / - | 0.14 - 2.5                                                                          |         | 0.14 - 2.5                                                                           |         | 0.14 - 2.5                                                                                        |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 0.34 - 2.5 / 0.34 - 4                                                               |         | 0.34 - 2.5 / 0.34 - 4                                                                |         | 0.34 - 2.5 / 0.34 - 4                                                                             |         |
| *) 16 A disconnect level                          |           |                        |  |         |  |         |              |         |
| Type                                              | Order No. | Gray                   | PTI 2,5-L/LTB                                                                       | 3213958 | PTI 2,5-PE/L/LTB                                                                     | 3213957 | S-MT                                                                                              | 3247954 |
|                                                   |           | White                  |                                                                                     |         |                                                                                      |         |                                                                                                   |         |
| Width / Length / Height                           |           | [mm]                   | 5.2 / 101 / 50.5                                                                    |         | 5.2 / 101 / 50.5                                                                     |         | Switching lock for all knife disconnect terminal blocks of the PT... 2.5... and PT... 4... series |         |
| Current / Voltage // UL                           |           | [A] / [V]              | 24 <sup>3)</sup> / 400 // -                                                         |         | 24 <sup>3)</sup> / 400 // 20 / 300                                                   |         |                                                                                                   |         |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / - | 0.14 - 4 / 26 - 12 // 0.14 - 4 / 26 - 12                                            |         | 0.14 - 4 / 26 - 12 // 0.14 - 4 / 26 - 12                                             |         |                                                                                                   |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ] / - | 0.14 - 2.5                                                                          |         | 0.14 - 2.5                                                                           |         |                                                                                                   |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 0.34 - 2.5 / 0.34 - 4                                                               |         | 0.34 - 2.5 / 0.34 - 4                                                                |         |                                                                                                   |         |

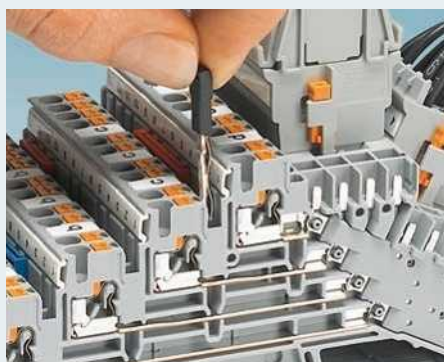
# Three-dimensional jumpering – PT four-level terminal blocks with push-in connection

The PT 2,5-4L... four-level terminal blocks allow you to jumper signals in your controllers and system sections using minimal space.

Based on the different jumper options in a terminal strip as well as the jumpering options in the freely configurable 4-pos. plugs, this terminal system allows extremely compact, three-dimensional signal distributors to be constructed.



The four-level terminal blocks are equipped with two slots and increase system modularity by adding a further jumpering level. They enable the use of jumper plugs for free assembly that can be used for horizontal, vertical, and diagonal signal wiring.



The plug-in vertical bridge FBS-PV PT 2,5-4L enables potential to be distributed easily between the levels of a terminal block. One function shaft is available for the cross connection of the potentials for each level.

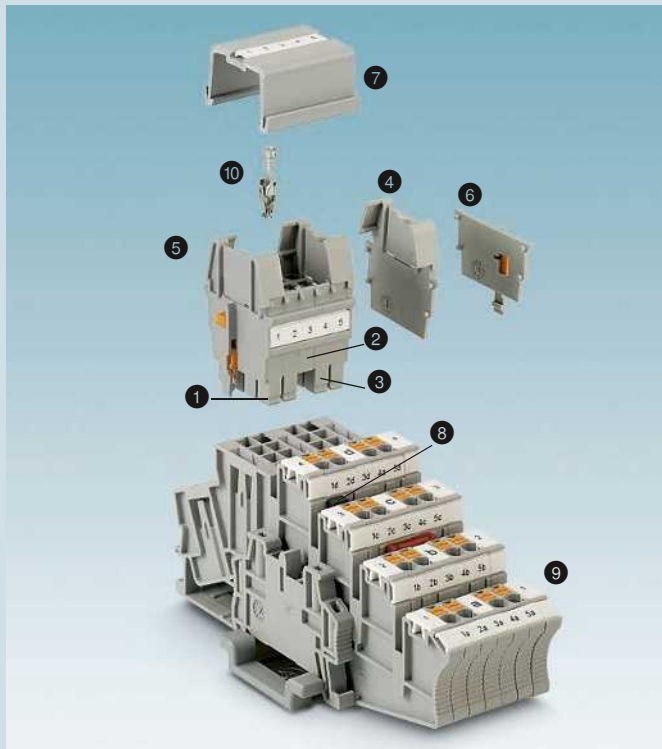


The jumper plug accessories feature a modular design and can be assembled tailored to the application. Screwless flange covers and corresponding flange terminal blocks have been implemented for additional fixing of the jumper and field plugs.

## Four-level terminal blocks

|                                                   |           |                              |                                                                                   |                    |                                                                                    |                    |                                                                                     |                    |
|---------------------------------------------------|-----------|------------------------------|-----------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|--------------------|
|                                                   |           |                              |  |                    |  |                    |  |                    |
| Type                                              | Order No. | Gray                         | PT 2,5-4L/1P                                                                      | 3012300            | PT 2,5-4L/2P                                                                       | 3012310            | PT 2,5-PE/3L/2P                                                                     | 3012316            |
| Width / Length / Height                           |           | [mm]                         | 5.2 / 105.6 / 59                                                                  |                    | 5.2 / 125 / 59                                                                     |                    | 5.2 / 125 / 59                                                                      |                    |
| Current / Voltage // UL                           |           | [A] / [V]                    | 10 / 250 // -                                                                     |                    | 10 / 250 // -                                                                      |                    | 10 / 250 // -                                                                       |                    |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -       | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                        |                    | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                         |                    | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                          |                    |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]           | 0.14 - 2.5                                                                        |                    | 0.14 - 2.5                                                                         |                    | 0.14 - 2.5                                                                          |                    |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]           | 0.34 - 2.5 / 0.34 - 4                                                             |                    | 0.34 - 2.5 / 0.34 - 4                                                              |                    | 0.34 - 2.5 / 0.34 - 4                                                               |                    |
|                                                   |           |                              |  |                    |  |                    |  |                    |
| Type                                              | Order No. | Gray<br>Gray<br>Gray<br>Gray | CP-H 2,5-4L<br>CP-H 2,5-4L-Z                                                      | 3012313<br>3012314 | CP-H 2,5-4L<br>CP-H 2,5-4L-Z                                                       | 3012313<br>3012314 | CP-H 2,5-4L-PE<br>CP-H 2,5-4L-Z-PE                                                  | 3012323<br>3012324 |
| Width / Length / Height                           |           | [mm]                         | 5.2 / 31.6 / 31.7                                                                 |                    | 5.2 / 31.6 / 31.7                                                                  |                    | 5.2 / 31.6 / 31.7                                                                   |                    |
| Current / Voltage                                 |           | [A] / [V]                    |                                                                                   |                    |                                                                                    |                    |                                                                                     |                    |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -       |                                                                                   |                    |                                                                                    |                    |                                                                                     |                    |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]           |                                                                                   |                    |                                                                                    |                    |                                                                                     |                    |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]           |                                                                                   |                    |                                                                                    |                    |                                                                                     |                    |

## Four-level terminal block accessories

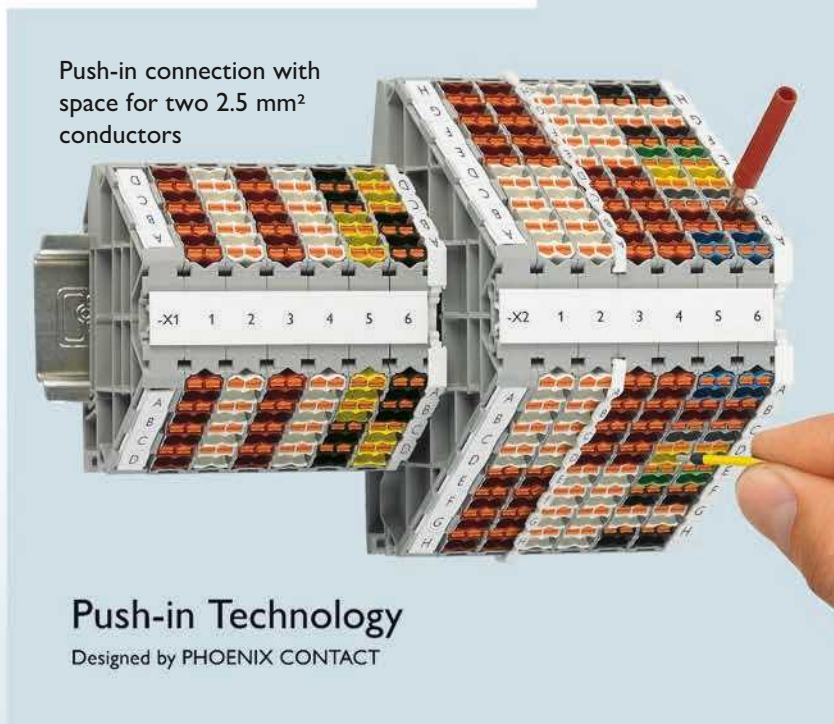


- ① CP-H 2,5-4L-Z 4-pos. plug with securing pin, Order No. 3012314
- ② DP-CP-H 2,5-4L spacer plate, Order No. 3012319
- ③ CP-H 2,5-4L 4-pos. plug, Order No. 3012313
- ④ D-CP-H 2,5-4L cover profile carrier, Order No. 3012320
- ⑤ DFS-CP-H 2,5-4L cover profile carrier with self-locking flange cover, Order No. 3012317
- ⑥ DFS-CP 2,5-4L self-locking flange cover, Order No. 3012321
- ⑦ AP-CP-H cover profile, Order No. 3012315
- ⑧ FBS-PV PT 2,5-4L vertical potential bridge, Order No. 3012318
- ⑨ PT 2,5-4L/1P-FS self-locking flange for one slot, Order No. 3012302  
PT 2,5-4L/2P-FS self-locking flange for two slots, Order No. 3012312
- ⑩ Crimp contact, Order No. 3190438 and 3190506

# Simple, reliable and intuitive marshalling – PTRV marshalling terminals with push-in connection

Jumper sensors and actuators easily and clearly with a compact solution. The configurable color coding ensures quick orientation and secure wiring. Large individually insertable label carriers enable matrix identification and provide the best possible overview in a control cabinet.

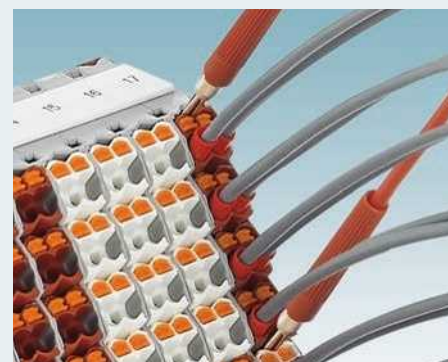
Potential distributors of the same shape and a comprehensive range of accessories complete the product line.



Maximize your signal density using the only design of its kind on the market for compact marshalling terminals. Optional cabling duct combs also reduce expenses and space requirements.



Wire by color: Freely configurable color assignment for conductors and terminal points enable reliable and intuitive installation. Configure the right marshalling terminal for your needs from eleven available colors.



The easily accessible 2.3 mm test connection are centered between connection points. This lets you conveniently check the marshalling terminals at any level.

## Marshalling terminals and potential distributors

|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                                              |                                                                                                                                                                                |         |                                                                                      |         |                                                                                       |         |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------|---------|---------------------------------------------------------------------------------------|---------|
| .../WH = Levels white<br>.../RD = Levels red<br>...BU/BU = Levels blue<br>...BU/WH = Levels white<br>...BU/RD = Levels red<br>.../BK = Levels black<br>...BU/RK = Levels black<br>.../YEBK = Top 2 levels yellow, bottom 2 levels black<br>.../BKYE = Top 2 levels black, bottom 2 levels yellow<br>PTRVB 4-FI with a 4 mm <sup>2</sup> connection chamber                                                               |                        |                                              |                                                                                               |         |    |         |    |         |
| Type                                                                                                                                                                                                                                                                                                                                                                                                                     | Order No.              | Gray                                         | PTRV 4 /WH                                                                                                                                                                     | 3270115 |                                                                                      |         | Bridgeable <sup>1)</sup>                                                              |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | Gray                                         | PTRV 4 /RD                                                                                                                                                                     | 3270121 |                                                                                      |         |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | Blue                                         | PTRV 4 BU/BU                                                                                                                                                                   | 3270118 |                                                                                      |         |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | Blue                                         | PTRV 4 BU/WH                                                                                                                                                                   | 3270119 |                                                                                      |         |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | Blue                                         | PTRV 4 BU/RD                                                                                                                                                                   | 3270120 |                                                                                      |         |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | Gray                                         |                                                                                                                                                                                |         | PTRV 4-PV /BK                                                                        | 3270125 |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | Blue                                         |                                                                                                                                                                                |         | PTRV 4-PV BU/BK                                                                      | 3270126 |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | Gray                                         |                                                                                                                                                                                |         | PTRV 4-FE /YEBK                                                                      | 3270130 | PTRVB 4-FI                                                                            | 3270158 |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | Gray                                         |                                                                                                                                                                                |         | PTRV 4-FE /BKYE                                                                      | 3270131 | PTRVB 4-PV                                                                            | 3270157 |
| Width / Length / Height                                                                                                                                                                                                                                                                                                                                                                                                  | [mm]                   | 8.3 / 64 / 55.5                              |                                                                                                                                                                                |         | 8.3 / 64 / 55.5                                                                      |         | 8.3 / 64 / 55.5                                                                       |         |
| Current / Voltage // UL                                                                                                                                                                                                                                                                                                                                                                                                  | [A] / [V]              | 10 / 250 // -                                |                                                                                                                                                                                |         | 17.5 / 250 // -                                                                      |         | 17.5 / 250 // -                                                                       |         |
| Solid / AWG // Stranded / AWG                                                                                                                                                                                                                                                                                                                                                                                            | [mm <sup>2</sup> ] / - | 0.14 - 2.5 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |                                                                                                                                                                                |         | 0.14 - 2.5 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                         |         | 0.14 - 2.5 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                          |         |
| Stranded with ferrule without/with plastic sleeve                                                                                                                                                                                                                                                                                                                                                                        | [mm <sup>2</sup> ]     | 0.14 - 2.5 / 0.14 - 1.5                      |                                                                                                                                                                                |         | 0.14 - 2.5 / 0.14 - 1.5                                                              |         | 0.14 - 2.5 / 0.14 - 1.5                                                               |         |
| Can be plugged in directly: with ferrule / solid                                                                                                                                                                                                                                                                                                                                                                         | [mm <sup>2</sup> ]     | 0.34 - 2.5                                   |                                                                                                                                                                                |         | 0.34 - 2.5                                                                           |         | 0.34 - 2.5                                                                            |         |
| .../WHRD = Top 4 levels white, bottom 4 levels red<br>.../RDWH = Top 4 levels red, bottom 4 levels white<br>...BU/BU = Levels blue<br>...BU/WHRD = Top 4 levels white, bottom 4 levels red<br>...BU/RDWH = Top 4 levels red, bottom 4 levels white<br>.../BK = Levels black<br>...BU/BK = Levels black<br>.../BKYE = Top 4 levels black, bottom 4 levels yellow<br>.../YEBK = Top 4 levels yellow, bottom 4 levels black |                        |                                              |                                                                                               |         |    |         |    |         |
| Type                                                                                                                                                                                                                                                                                                                                                                                                                     | Order No.              | Gray                                         | PTRV 8 /WHRD                                                                                                                                                                   | 3270133 |                                                                                      |         | Bridgeable <sup>1)</sup>                                                              |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | Gray                                         | PTRV 8 /RDWH                                                                                                                                                                   | 3270137 |                                                                                      |         |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | Blue                                         | PTRV 8 BU/BU                                                                                                                                                                   | 3270136 |                                                                                      |         |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | Blue                                         | PTRV 8 BU/WHRD                                                                                                                                                                 | 3270134 |                                                                                      |         |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | Blue                                         | PTRV 8 BU/RDWH                                                                                                                                                                 | 3270135 |                                                                                      |         |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | Gray                                         |                                                                                                                                                                                |         | PTRV 8-PV /BK                                                                        | 3270142 |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | Blue                                         |                                                                                                                                                                                |         | PTRV 8-PV BU/BK                                                                      | 3270145 |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | Gray                                         |                                                                                                                                                                                |         | PTRV 8-FE /BKYE                                                                      | 3270149 | PTRVB 8-FI                                                                            | 3270160 |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | Gray                                         |                                                                                                                                                                                |         | PTRV 8-FE /YEBK                                                                      | 3270148 | PTRVB 8-PV                                                                            | 3270159 |
| Width / Length / Height                                                                                                                                                                                                                                                                                                                                                                                                  | [mm]                   | 8.3 / 100 / 55.5                             |                                                                                                                                                                                |         | 8.3 / 100 / 55.5                                                                     |         | 8.3 / 100 / 55.5                                                                      |         |
| Current / Voltage // UL                                                                                                                                                                                                                                                                                                                                                                                                  | [A] / [V]              | 8 / 250 // -                                 |                                                                                                                                                                                |         | 17.5 / 250 // -                                                                      |         | 17.5 / 250 // -                                                                       |         |
| Solid / AWG // Stranded / AWG                                                                                                                                                                                                                                                                                                                                                                                            | [mm <sup>2</sup> ] / - | 0.14 - 2.5 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |                                                                                                                                                                                |         | 0.14 - 2.5 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                         |         | 0.14 - 2.5 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                          |         |
| Stranded with ferrule without/with plastic sleeve                                                                                                                                                                                                                                                                                                                                                                        | [mm <sup>2</sup> ]     | 0.14 - 2.5 / 0.14 - 1.5                      |                                                                                                                                                                                |         | 0.14 - 2.5 / 0.14 - 1.5                                                              |         | 0.14 - 2.5 / 0.14 - 1.5                                                               |         |
| Can be plugged in directly: with ferrule / solid                                                                                                                                                                                                                                                                                                                                                                         | [mm <sup>2</sup> ]     | 0.34 - 2.5                                   |                                                                                                                                                                                |         | 0.34 - 2.5                                                                           |         | 0.34 - 2.5                                                                            |         |
| Marker carrier and cover<br>... A-D printed from A to D<br>... 1-4 printed from 1 to 4<br>... A-H printed from A to H<br>... 1-8 printed from 1 to 8                                                                                                                                                                                                                                                                     |                        |                                              |                                                                                             |         |  |         |  |         |
| Type                                                                                                                                                                                                                                                                                                                                                                                                                     | Order No.              | White                                        | DP-PTRV 4                                                                                                                                                                      | 3270163 | D-PTRV 4 WH A-D                                                                      | 3270153 | Center groove labeling                                                                |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | White                                        |                                                                                                                                                                                |         | D-PTRV 4 WH 1-4                                                                      | 3270152 |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | White/Unprinted                              |                                                                                                                                                                                |         | D-PTRV 4 WH                                                                          | 3270151 |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | White                                        | DP-PTRV 8                                                                                                                                                                      | 3270154 | D-PTRV 8 WH A-H                                                                      | 3270156 |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | White                                        |                                                                                                                                                                                |         | D-PTRV 8 WH 1-8                                                                      | 3270155 |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        | White/Unprinted                              |                                                                                                                                                                                |         | D-PTRV 8 WH                                                                          | 3270154 | ZB 8,3,UNBRDRUCKT                                                                     | 0803444 |
| ...LG = Labelled lengthwise from 1-8 or A-H                                                                                                                                                                                                                                                                                                                                                                              |                        |                                              | Visit us online to view suitable marking material<br>ZBF 6/9,2 S8;LGS:1-8<br>ZBF 6/9,2 S8;LGS:A-H<br>ZBF 6/9,2 S8;QR:1-8<br>ZBF 6/9,2 S8;QR:A-H<br>ZBF 6/9,2 S8;LGS:UNBEDRUCKT |         |                                                                                      |         | ZB 8,3,LGS:FORTL.ZAHLEN                                                               | 0803445 |
| ...QR = Labelled crosswise from 1-8 or A-H                                                                                                                                                                                                                                                                                                                                                                               |                        |                                              |                                                                                                                                                                                |         |                                                                                      |         | ZB 8,3,QR:FORTL.ZAHLEN                                                                | 0803446 |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                                              |                                                                                                                                                                                |         |                                                                                      |         |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                                              |                                                                                                                                                                                |         |                                                                                      |         |                                                                                       |         |
|                                                                                                                                                                                                                                                                                                                                                                                                                          |                        |                                              |                                                                                                                                                                                |         |                                                                                      |         |                                                                                       |         |

<sup>1)</sup> Can be bridged with FBST 500 PLC RD continuous bridge, Order No.: 2966786

## Freely configurable marshalling terminals, see ordering example

### Options for color configuration:

.../COL-RD = Left color can be configured, right red  
 .../COL-WH = Left color can be configured, right white  
 .../RD-COL = Left red, right color can be configured  
 .../WH-COL = Left white, right color can be configured  
 .../COL-COL = Left and right colors can be configured  
 (one color per level)



| Type                                              | Order No. | Gray      | PTRV 4 /COL-RD                               | 3001754 |
|---------------------------------------------------|-----------|-----------|----------------------------------------------|---------|
|                                                   |           | Gray      | PTRV 4 /COL-WH                               | 3001871 |
|                                                   |           | Gray      | PTRV 4 /RD-COL                               | 3001872 |
|                                                   |           | Gray      | PTRV 4 /WH-COL                               | 3001874 |
|                                                   |           | Gray      | PTRV 4 /COL-COL                              | 3001875 |
| Width / Length / Height                           |           | [mm]      | 8.3 / 64 / 55.5                              |         |
| Current / Voltage // UL                           |           | [A] / [V] | 10 / 250 // -                                |         |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / - | 0.14 - 2.5 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]     | 0.14 - 2.5 / 0.14 - 1.5                      |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]     | 0.34 - 2.5                                   |         |

### Options for color configuration:

.../COL-RDWH = Left color can be configured;  
 right top for 4 levels red, bottom 4 levels white  
 .../COL-WHRD = Left color can be configured;  
 right top 4 levels white, bottom 4 levels red  
 .../RDWH-COL = Left top 4 levels red,  
 bottom 4 levels white; right color can be configured  
 .../WHRD-COL = Left top 4 levels white,  
 bottom 4 levels red; right color can be configured  
 .../COL-COL = Left and right color can be configured  
 (one color per level)



|                                                   |           |           |                                              |         |
|---------------------------------------------------|-----------|-----------|----------------------------------------------|---------|
| Type                                              | Order No. | Gray      | PTRV 8 /COL-RDWH                             | 3001851 |
|                                                   |           | Gray      | PTRV 8 /COL-WHRD                             | 3001876 |
|                                                   |           | Gray      | PTRV 8 /RDWH-COL                             | 3001877 |
|                                                   |           | Gray      | PTRV 8 /WHRD-COL                             | 3001878 |
|                                                   |           | Gray      | PTRV 8 /COL-COL                              | 3001879 |
| Width / Length / Height                           |           | [mm]      | 8.3 / 100 / 87.5                             |         |
| Current / Voltage // UL                           |           | [A] / [V] | 8 / 250 // -                                 |         |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / - | 0.14 - 2.5 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]     | 0.14 - 2.5 / 0.14 - 1.5                      |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]     | 0.34 - 2.5                                   |         |

## Ordering example: Configurable marshalling terminals

### Ordering example:

An 8-level marshalling terminal is to have the following configuration 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.

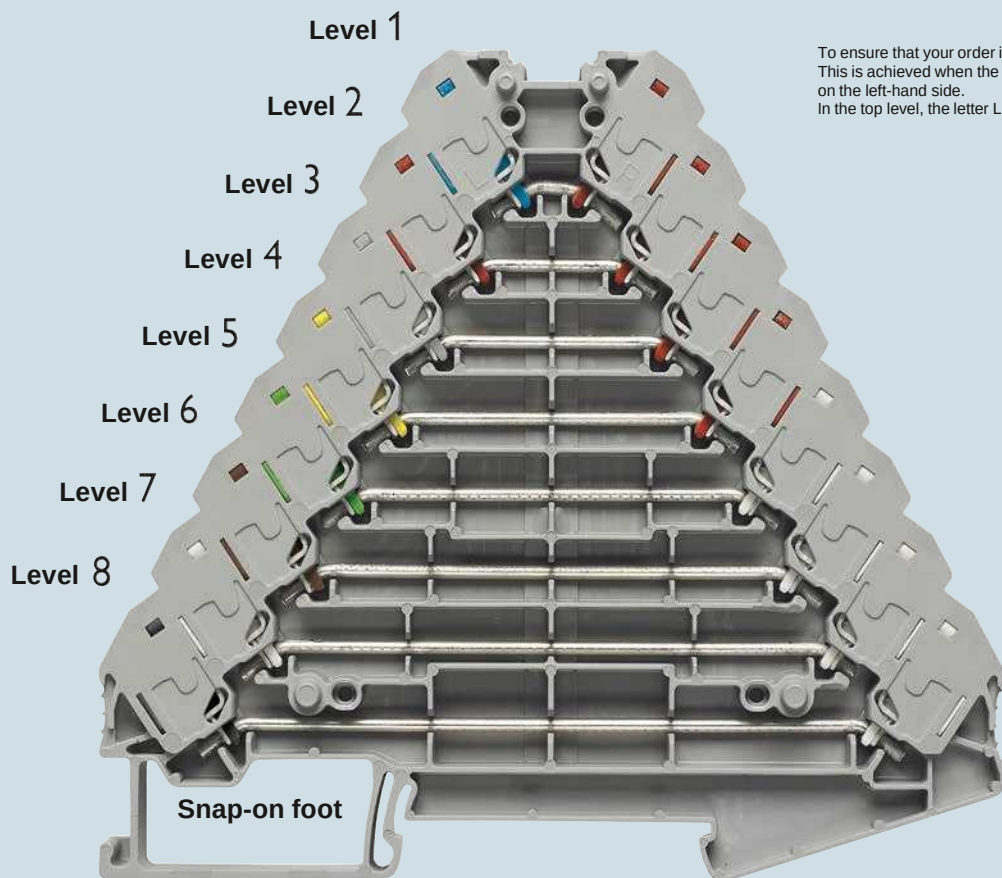
### Available colors:

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



### The order data for this order 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.

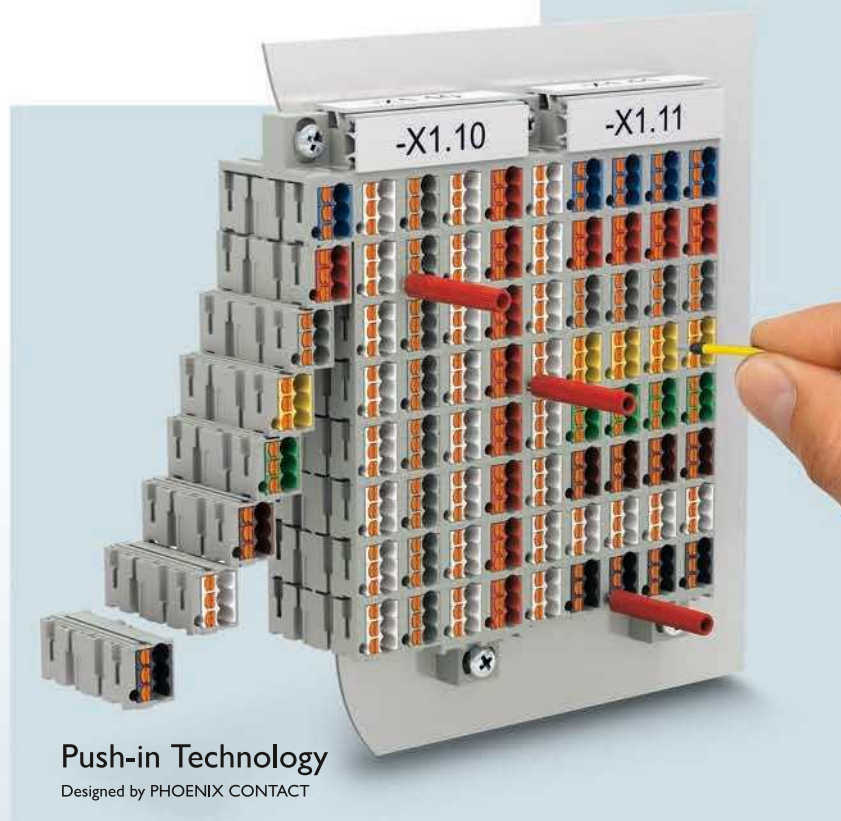
8 7 6 5 4 3 2 1



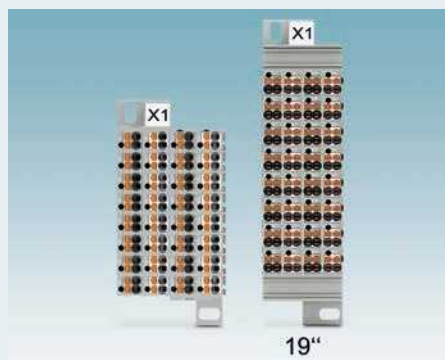
# Simple, reliable and intuitive marshalling – PTMC marshalling patchboard with push-in connection

Due to its design, the PTMC marshalling patchboard provides you with the highest signal density during marshalling in automation applications. The modular structure, accurate to the number of poles and with colored matrix elements, ensures space-saving, clearly arranged and error-free wiring.

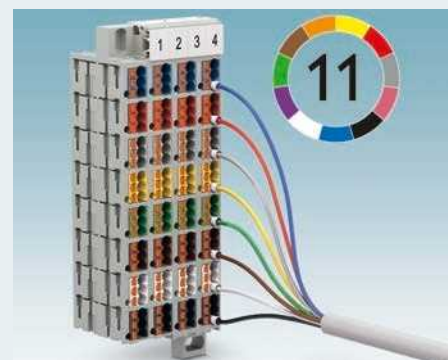
Adapters are available for rack mounting as an alternative to DIN rail mounting.



The patchboard's marshalling system features a modular design and the positions can be configured specifically tailored to the application. The elements snap into place easily and securely, creating an extremely stable patchboard construction resistant to warping in its blocked form.



Up to 20% higher signal density compared to 19 inch variants available on the market thanks to its compact design.



Wire by color: Freely configurable color assignment for conductors and terminal points enables reliable and intuitive installation. Configure the right marshalling patchboard from eleven available colors.

## Marshalling patchboards, for self-assembly

|                                                   |           |           |                                                                                   |         |                |                                              |                                                                                    |  |  |  |
|---------------------------------------------------|-----------|-----------|-----------------------------------------------------------------------------------|---------|----------------|----------------------------------------------|------------------------------------------------------------------------------------|--|--|--|
|                                                   |           |           |  |         |                |                                              |  |  |  |  |
| Type                                              | Order No. | Gray      | PTMC 1,5-2 /GY                                                                    | 3270302 | PTMC 1,5-3 /GY | 3270300                                      |                                                                                    |  |  |  |
|                                                   |           | White     | PTMC 1,5-2 /WH                                                                    | 3270303 | PTMC 1,5-3 /WH | 3270301                                      |                                                                                    |  |  |  |
|                                                   |           | Blue      | PTMC 1,5-2 /BU                                                                    | 3270430 | PTMC 1,5-3 /BU | 3270420                                      |                                                                                    |  |  |  |
|                                                   |           | Red       | PTMC 1,5-2 /RD                                                                    | 3270431 | PTMC 1,5-3 /RD | 3270421                                      |                                                                                    |  |  |  |
|                                                   |           | Green     | PTMC 1,5-2 /GN                                                                    | 3270432 | PTMC 1,5-3 /GN | 3270422                                      |                                                                                    |  |  |  |
|                                                   |           | Brown     | PTMC 1,5-2 /BN                                                                    | 3270433 | PTMC 1,5-3 /BN | 3270423                                      |                                                                                    |  |  |  |
|                                                   |           | Black     | PTMC 1,5-2 /BK                                                                    | 3270434 | PTMC 1,5-3 /BK | 3270424                                      |                                                                                    |  |  |  |
|                                                   |           | Violet    | PTMC 1,5-2 /VT                                                                    | 3270435 | PTMC 1,5-3 /VT | 3270425                                      |                                                                                    |  |  |  |
|                                                   |           | Orange    | PTMC 1,5-2 /OG                                                                    | 3270436 | PTMC 1,5-3 /OG | 3270426                                      |                                                                                    |  |  |  |
|                                                   |           | Yellow    | PTMC 1,5-2 /YE                                                                    | 3270437 | PTMC 1,5-3 /YE | 3270427                                      |                                                                                    |  |  |  |
|                                                   |           | Pink      | PTMC 1,5-2 /PK                                                                    | 3270438 | PTMC 1,5-3 /PK | 3270428                                      |                                                                                    |  |  |  |
| Width / Length / Height                           |           | [mm]      | 11 / 12.2 / 30                                                                    |         |                | 11 / 12.2 / 30                               |                                                                                    |  |  |  |
| Current / Voltage // UL                           |           | [A] / [V] | 17.5 / 500 //                                                                     |         |                | 17.5 / 500 //                                |                                                                                    |  |  |  |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / - | 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12                                      |         |                | 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12 |                                                                                    |  |  |  |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]     | 0.14 - 1.5 / 0.14 - 1.5                                                           |         |                | 0.14 - 1.5 / 0.14 - 1.5                      |                                                                                    |  |  |  |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]     | 0.34 - 2.5                                                                        |         |                | 0.34 - 2.5                                   |                                                                                    |  |  |  |

## Cover flange for direct mounting and marker adapter

|                                                                                    |           |                                                                                    |           |                                                                                     |           |                                                                                      |                |         |
|------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|-----------|--------------------------------------------------------------------------------------|----------------|---------|
|  |           |  |           |  |           |  |                |         |
| Type                                                                               | Order No. | Gray                                                                               | DF-PTMC-O | 3270400                                                                             | DF-PTMC-U | 3270401                                                                              | DF-PTMC-ZB     | 3270410 |
|                                                                                    |           |                                                                                    | Top       |                                                                                     | Bottom    |                                                                                      | Marker carrier |         |

## Adapter for DIN rail mounting

|                                                                                     |           |                                                                                     |                  |                                                                                      |                |         |  |
|-------------------------------------------------------------------------------------|-----------|-------------------------------------------------------------------------------------|------------------|--------------------------------------------------------------------------------------|----------------|---------|--|
|  |           |  |                  |  |                |         |  |
| Type                                                                                | Order No. | Gray                                                                                | DF-PTMC-NS       | 3270403                                                                              | DF-PTMC-ZB     | 3270410 |  |
|                                                                                     |           |                                                                                     | DIN rail adapter |                                                                                      | Marker carrier |         |  |

## Marshalling patchboards, pre-assembled with four connections per element

|                                                   |           |              |  |                    |  |                    |  |                    |
|---------------------------------------------------|-----------|--------------|-----------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|--------------------|
| Type                                              | Order No. | Gray<br>Blue | PTMC 1,5/32-2<br>PTMC 1,5/32-2 BU                                                 | 3270314<br>3270315 | PTMC 1,5/48-2<br>PTMC 1,5/48-2 BU                                                  | 3270322<br>3270323 | PTMC 1,5/80-2<br>PTMC 1,5/80-2 BU                                                   | 3270329<br>3270330 |
| Width / Length / Height                           |           | [mm]         | 44 / 73.2 / 30                                                                    |                    | 66 / 73.2 / 30                                                                     |                    | 110 / 73.2 / 30                                                                     |                    |
| Current / Voltage // UL                           |           | [A] / [V]    | 17.5 / 500 // -                                                                   |                    | 17.5 / 500 // -                                                                    |                    | 17.5 / 500 // -                                                                     |                    |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / -    | 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12                                      |                    | 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12                                       |                    | 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12                                        |                    |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]        | 0.14 - 1.5 / 0.14 - 1.5                                                           |                    | 0.14 - 1.5 / 0.14 - 1.5                                                            |                    | 0.14 - 1.5 / 0.14 - 1.5                                                             |                    |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]        | 0.34 - 2.5                                                                        |                    | 0.34 - 2.5                                                                         |                    | 0.34 - 2.5                                                                          |                    |

## Marshalling patchboards, pre-assembled with six connections per element

|                                                   |           |              |  |                    |  |                    |  |                    |
|---------------------------------------------------|-----------|--------------|-----------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------|--------------------|-------------------------------------------------------------------------------------|--------------------|
| Type                                              | Order No. | Gray<br>Blue | PTMC 1,5/32-3<br>PTMC 1,5/32-3 BU                                                 | 3270310<br>3270312 | PTMC 1,5/48-3<br>PTMC 1,5/48-3 BU                                                  | 3270318<br>3270320 | PTMC 1,5/80-3<br>PTMC 1,5/80-3 BU                                                   | 3270324<br>3270326 |
| Width / Length / Height                           |           | [mm]         | 44 / 102 / 30                                                                     |                    | 66 / 102 / 30                                                                      |                    | 110 / 102 / 30                                                                      |                    |
| Current / Voltage // UL                           |           | [A] / [V]    | 17.5 / 500 // -                                                                   |                    | 17.5 / 500 // -                                                                    |                    | 17.5 / 500 // -                                                                     |                    |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / -    | 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12                                      |                    | 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12                                       |                    | 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12                                        |                    |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]        | 0.14 - 1.5 / 0.14 - 1.5                                                           |                    | 0.14 - 1.5 / 0.14 - 1.5                                                            |                    | 0.14 - 1.5 / 0.14 - 1.5                                                             |                    |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]        | 0.34 - 2.5                                                                        |                    | 0.34 - 2.5                                                                         |                    | 0.34 - 2.5                                                                          |                    |

## Marshalling patchboards, pre-assembled for 19 inch rack, four connections per element

|                                                   |           |              |                                                                                   |                    |  |  |  |
|---------------------------------------------------|-----------|--------------|-----------------------------------------------------------------------------------|--------------------|--|--|--|
|                                                   |           |              |  |                    |  |  |  |
| Type                                              | Order No. | Gray<br>Blue | PTMC 1,5/32-2H 19Z<br>PTMC 1,5/32-2H /BU 19Z                                      | 3270316<br>3270317 |  |  |  |
| Width / Length / Height                           |           | [mm]         | 34.4 / 111 / 30                                                                   |                    |  |  |  |
| Current / Voltage // UL                           |           | [A] / [V]    | 17.5 / 500 // -                                                                   |                    |  |  |  |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / -    | 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12                                      |                    |  |  |  |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]        | 0.14 - 1.5 / 0.14 - 1.5                                                           |                    |  |  |  |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]        | 0.34 - 2.5                                                                        |                    |  |  |  |

## Marshalling patchboards, pre-assembled for 19 inch rack, six connections per element

|                                                   |           |              |                                                                                   |                    |                                                                                    |                                              |                                                                                     |                    |
|---------------------------------------------------|-----------|--------------|-----------------------------------------------------------------------------------|--------------------|------------------------------------------------------------------------------------|----------------------------------------------|-------------------------------------------------------------------------------------|--------------------|
|                                                   |           |              |  |                    |  |                                              |  |                    |
| Type                                              | Order No. | Gray<br>Blue | PTMC 1,5/32-3 19Z<br>PTMC 1,5/32-3 /BU 19Z                                        | 3270311<br>3270313 | PTMC 1,5/48-3 19Z<br>PTMC 1,5/48-3 /BU 19Z                                         | 3270319<br>3270321                           | PTMC 1,5/80-3 19Z<br>PTMC 1,5/80-3 /BU 19Z                                          | 3270325<br>3270327 |
| Width / Length / Height                           |           | [mm]         | 44 / 111 / 30                                                                     |                    |                                                                                    | 66 / 111 / 30                                |                                                                                     |                    |
| Current / Voltage // UL                           |           | [A] / [V]    | 17.5 / 500 // -                                                                   |                    |                                                                                    | 17.5 / 500 // -                              |                                                                                     |                    |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / -    | 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12                                      |                    |                                                                                    | 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12 |                                                                                     |                    |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]        | 0.14 - 1.5 / 0.14 - 1.5                                                           |                    |                                                                                    | 0.14 - 1.5 / 0.14 - 1.5                      |                                                                                     |                    |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]        | 0.34 - 2.5                                                                        |                    |                                                                                    | 0.34 - 2.5                                   |                                                                                     |                    |

## Marshalling patchboards for free assembly for direct mounting

|                                                   |           |                        |                                                                                   |         |                                                                                     |         |  |
|---------------------------------------------------|-----------|------------------------|-----------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|---------|--|
|                                                   |           |                        |  |         |  |         |  |
| Type                                              | Order No. | Gray                   | PTMC 1,5/1-2-DF                                                                   | 3001937 | PTMC 1,5/1-3-DF                                                                     | 3001929 |  |
|                                                   |           |                        | PTMC 1,5/2-2-DF                                                                   | 3001940 | PTMC 1,5/2-3-DF                                                                     | 3001930 |  |
|                                                   |           |                        | PTMC 1,5/3-2-DF                                                                   | 3001942 | PTMC 1,5/3-3-DF                                                                     | 3001931 |  |
|                                                   |           |                        | PTMC 1,5/4-2-DF                                                                   | 3001943 | PTMC 1,5/4-3-DF                                                                     | 3001932 |  |
|                                                   |           |                        | PTMC 1,5/5-2-DF                                                                   | 3001944 | PTMC 1,5/5-3-DF                                                                     | 3001933 |  |
|                                                   |           |                        | PTMC 1,5/6-2-DF                                                                   | 3001945 | PTMC 1,5/6-3-DF                                                                     | 3001934 |  |
|                                                   |           |                        | PTMC 1,5/7-2-DF                                                                   | 3001946 | PTMC 1,5/7-3-DF                                                                     | 3001935 |  |
|                                                   |           |                        | PTMC 1,5/8-2-DF                                                                   | 3001947 | PTMC 1,5/8-3-DF                                                                     | 3001936 |  |
| Width / Length / Height                           |           | [mm]                   | - / 30 / -                                                                        |         | - / 30 / -                                                                          |         |  |
| Current / Voltage // UL                           |           | [A] / [V]              | 10 / 500 //                                                                       |         | 10 / 500 //                                                                         |         |  |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / - | 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12                                      |         | 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12                                        |         |  |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ] / - | 0.14 - 1.5 / 0.14 - 1.5                                                           |         | 0.14 - 1.5 / 0.14 - 1.5                                                             |         |  |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 0.34 - 2.5                                                                        |         | 0.34 - 2.5                                                                          |         |  |

## Marshalling patchboards for free assembly for DIN rail mounting

|                                                   |           |                        |                                                                                   |         |                                                                                    |         |  |
|---------------------------------------------------|-----------|------------------------|-----------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------|---------|--|
|                                                   |           |                        |  |         |  |         |  |
| Type                                              | Order No. | Gray                   | PTMC 1,5/1-2-NS                                                                   | 3001915 | PTMC 1,5/1-3-NS                                                                    | 3001905 |  |
|                                                   |           |                        | PTMC 1,5/2-2-NS                                                                   | 3001916 | PTMC 1,5/2-3-NS                                                                    | 3001906 |  |
|                                                   |           |                        | PTMC 1,5/3-2-NS                                                                   | 3001917 | PTMC 1,5/3-3-NS                                                                    | 3001907 |  |
|                                                   |           |                        | PTMC 1,5/4-2-NS                                                                   | 3001918 | PTMC 1,5/4-3-NS                                                                    | 3001908 |  |
|                                                   |           |                        | PTMC 1,5/5-2-NS                                                                   | 3001919 | PTMC 1,5/5-3-NS                                                                    | 3001910 |  |
|                                                   |           |                        | PTMC 1,5/6-2-NS                                                                   | 3001920 | PTMC 1,5/6-3-NS                                                                    | 3001911 |  |
|                                                   |           |                        | PTMC 1,5/7-2-NS                                                                   | 3001921 | PTMC 1,5/7-3-NS                                                                    | 3001913 |  |
|                                                   |           |                        | PTMC 1,5/8-2-NS                                                                   | 3001922 | PTMC 1,5/8-3-NS                                                                    | 3001914 |  |
| Width / Length / Height                           |           | [mm]                   | - / 63 / 22.6                                                                     |         | - / 63 / 22.6                                                                      |         |  |
| Current / Voltage // UL                           |           | [A] / [V]              | 10 / 500 //                                                                       |         | 10 / 500 //                                                                        |         |  |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / - | 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12                                      |         | 0.14 - 2.5 / 26 - 12 // 0.14 - 1.5 / 26 - 12                                       |         |  |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ] / - | 0.14 - 1.5 / 0.14 - 1.5                                                           |         | 0.14 - 1.5 / 0.14 - 1.5                                                            |         |  |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 0.34 - 2.5                                                                        |         | 0.34 - 2.5                                                                         |         |  |

# Ordering example: configurable marshalling patchboard

## Ordering example:

A marshalling patchboard should be configured as follows:

Actuation lever, screw fixing of marshalling 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

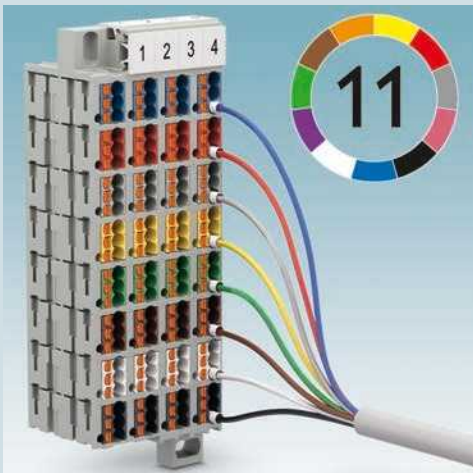
Row 1: blue  
Row 2: red  
Row 3: gray  
Row 4: yellow

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:

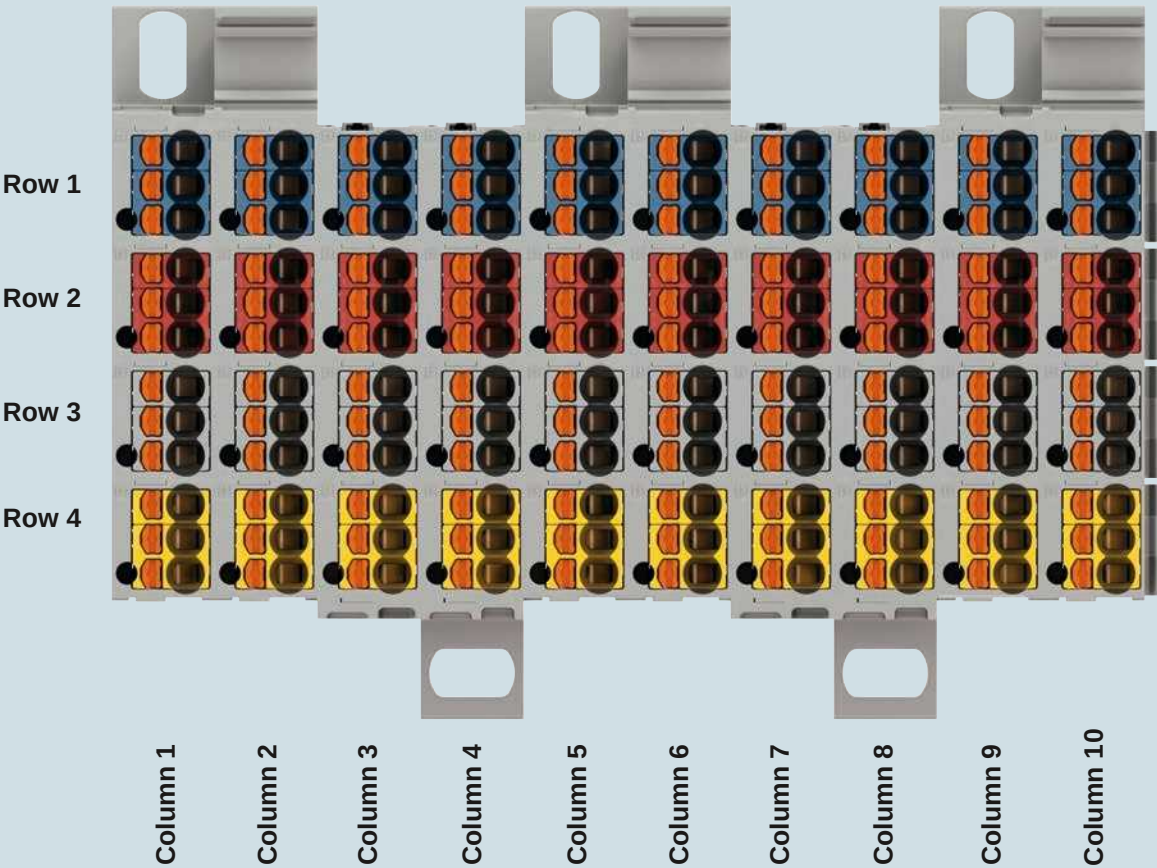
|    |        |
|----|--------|
| BU | Blue   |
| RD | Red    |
| GY | Gray   |
| YE | Yellow |
| GN | Green  |
| BN | Brown  |
| WH | White  |
| BK | Black  |
| VT | Violet |
| OG | Orange |
| PK | Pink   |



## The order data for this order 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.

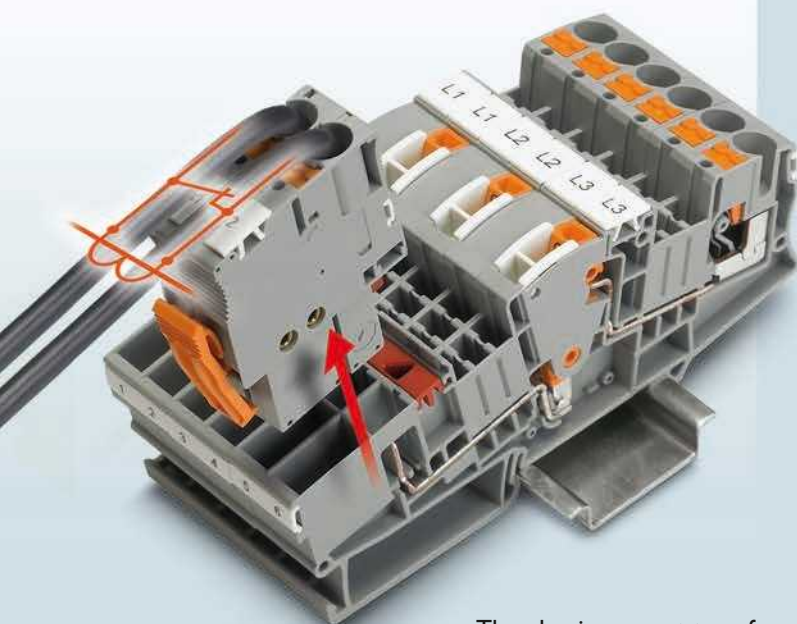


# Flexible for all transformer test wiring – PTME test disconnect terminal blocks

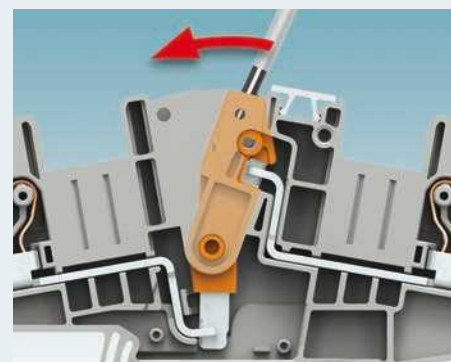
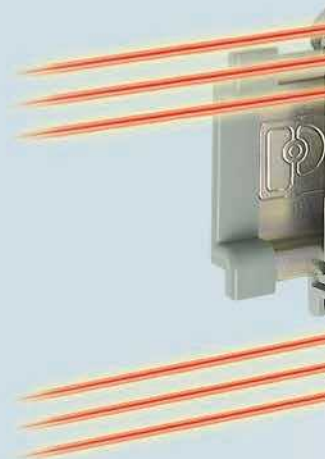
The new test disconnect terminal blocks can be used to design space-saving and modular switchgear. Feed-through and PE terminal blocks of the same shape are also available for the test disconnect terminal blocks. The patented short-circuit plug is particularly user-friendly and safe: measuring transducers are protected against damage by means of automatic short circuit.

CLIP PROJECT planning software provides support in planning your terminal strips quickly and conveniently.

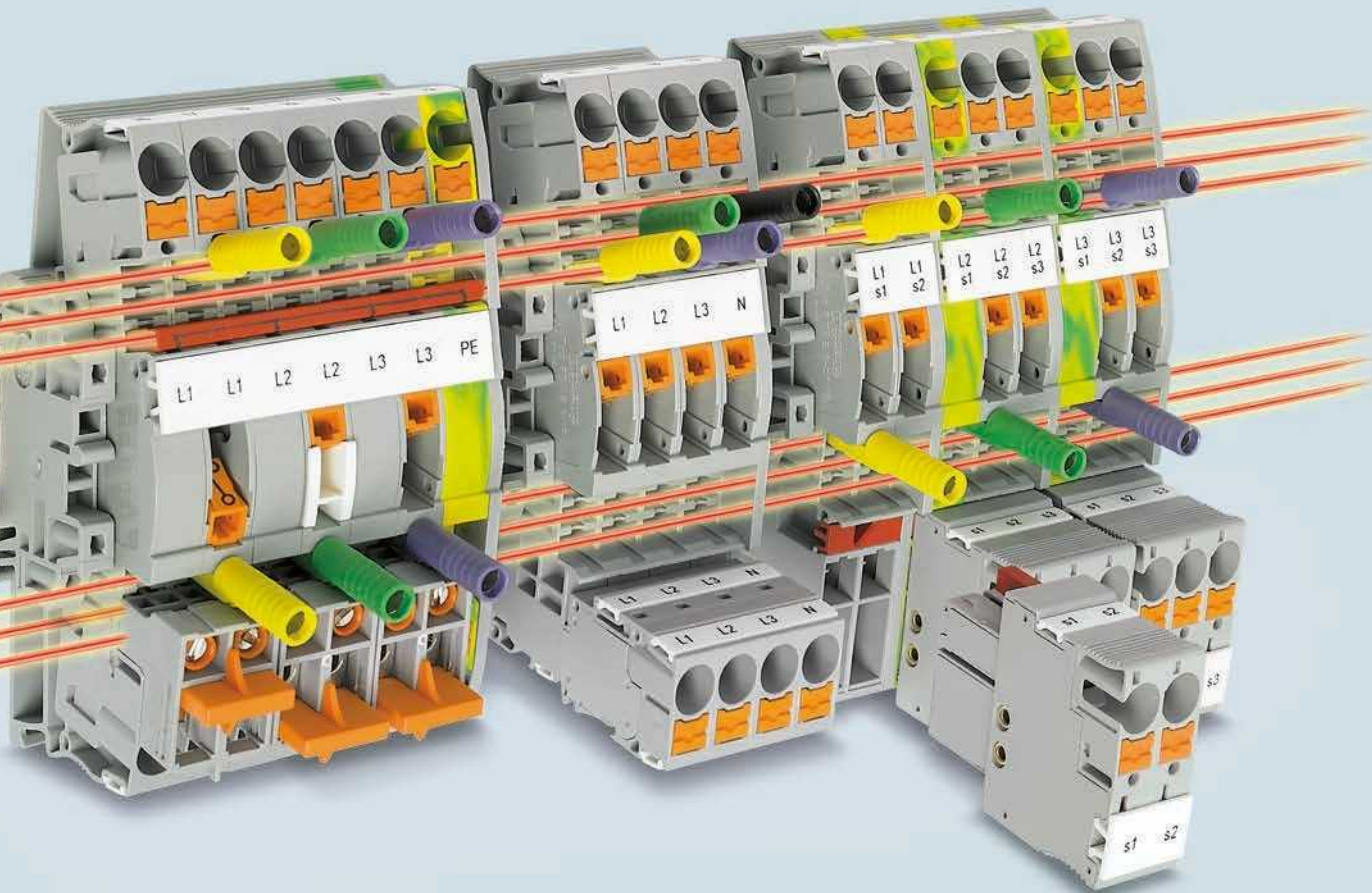
The triple function shaft on both sides of the longitudinal disconnect point enables the individual placement of bridging, testing, and switching accessories. Non-adjacent jumpers allow the star point to be formed conveniently within the terminal strip, without the need for additional wire jumpers.



The plug-in current transformer disconnect terminal blocks 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 coding accessories prevent the plug's polarity from being reversed.

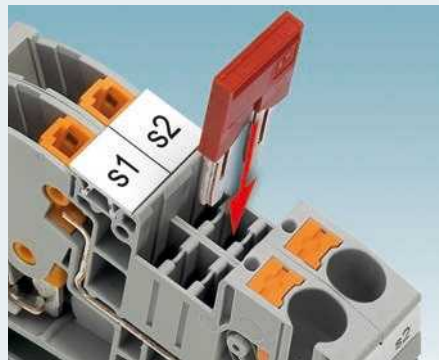


The section disconnecter reliably makes contact and latches with a swiveling movement in the respective switching state. Switching symbols and optional switching locks also ensure a clear overview inside the measuring transducer terminal strip.

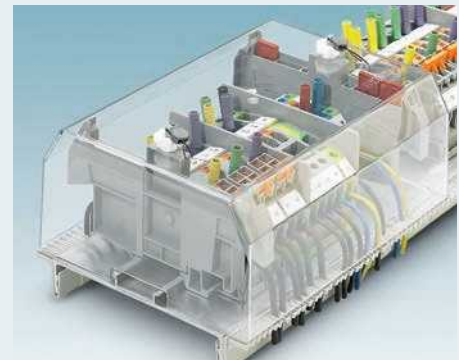


The plug-in current transformer short-circuit jumpers can be used individually, based on the switching task, in the terminal block function shafts.

The switching jumper disconnect element is operated with a screwdriver, which means that the switching operation is only ever activated intentionally.



The current transformer short circuit can be easily implemented using standard FBL jumpers. FBSRH versions with molded extraction tool are available as 2, 3 and 4 position.



Cover profiles and covering hoods are available as accessories. These can be mounted and sealed on measuring transducer strips as protection against external influences and tampering.

## Push-in connection technology 4 mm<sup>2</sup>

|                                                   |           |                        |                                                                                   |         |                                                                                    |         |                                                                                     |         |
|---------------------------------------------------|-----------|------------------------|-----------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|---------|
|                                                   |           |                        |  |         |  |         |  |         |
| Type                                              | Order No. | Gray<br>Green-yellow   | PTME 4                                                                            | 3212139 | PTMED 4                                                                            | 3212141 | PTMED 4-PE                                                                          | 3212154 |
| Width / Length / Height                           |           | [mm]                   | 6.2 / 70.5 / 49.5                                                                 |         | 6.2 / 70.5 / 49.5                                                                  |         | 6.2 / 70.5 / 49.5                                                                   |         |
| Current / Voltage // UL                           |           | [A] / [V]              | 24 / 500 // 26 / 300                                                              |         | 24 / 500 // 26 / 300                                                               |         | - / - // - / -                                                                      |         |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / - | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                            |         | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                             |         | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                              |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]     | 0.25 - 4                                                                          |         | 0.25 - 4                                                                           |         | 0.25 - 4                                                                            |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 0.5 - 4 / 0.5 - 6                                                                 |         | 0.5 - 4 / 0.5 - 6                                                                  |         | 0.5 - 4 / 0.5 - 6                                                                   |         |

## Push-in connection technology 6 mm<sup>2</sup>

|                                                   |           |                                      |                                                                                   |                               |                                                                                    |         |                                                                                     |         |
|---------------------------------------------------|-----------|--------------------------------------|-----------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|---------|
| '1) Rated voltage for open disconnect point 500 V |           |                                      |  |                               |  |         |  |         |
| Type                                              | Order No. | Gray<br>Gray<br>Blue<br>Green-yellow | PTME 6<br>PTME 6 HV <sup>1)</sup><br>PTME 6 HV BU <sup>1)</sup>                   | 3212170<br>3035696<br>3035695 | PTMED 6                                                                            | 3212183 | PTMED 6-PE                                                                          | 3212196 |
| Width / Length / Height                           |           | [mm]                                 | 8.2 / 100.8 / 49.6                                                                |                               | 8.2 / 100.8 / 49.6                                                                 |         | 8.2 / 100.8 / 49.6                                                                  |         |
| Current / Voltage // UL                           |           | [A] / [V]                            | 30 / 500 // 30 / 600                                                              |                               | 30 / 500 // 30 / 600                                                               |         | - / - // - / -                                                                      |         |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -               | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10                                            |                               | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10                                             |         | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10                                              |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]                   | 0.5 - 6                                                                           |                               | 0.5 - 6                                                                            |         | 0.5 - 6                                                                             |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                   | 1 - 6 / 1 - 10                                                                    |                               | 1 - 6 / 1 - 10                                                                     |         | 1 - 6 / 1 - 10                                                                      |         |

## Hybrid terminal blocks with screw connection on one side 6 mm<sup>2</sup>

|                                                                                                                                                                                |           |                        |                                                                                     |                              |                                                                                      |                              |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------|------------------------|-------------------------------------------------------------------------------------|------------------------------|--------------------------------------------------------------------------------------|------------------------------|--|--|
| <b>Note:</b><br>You can find wiring and testing accessories in the product area on our website at <a href="http://phoenixcontact.net/products">phoenixcontact.net/products</a> |           |                        |  |                              |  |                              |  |  |
| Type                                                                                                                                                                           | Order No. | Gray<br>Gray           | PTU 6-T<br>PTU 6-T-P                                                                | 3209535<br>3209530           | PTUD 6<br>PTUD 6-P                                                                   | 3209531<br>3209537           |  |  |
| Width / Length / Height                                                                                                                                                        |           | [mm]                   | 8.2 / 73.9 / 48                                                                     |                              | 8.2 / 73.9 / 48                                                                      |                              |  |  |
| Current / Voltage // UL                                                                                                                                                        |           | [A] / [V]              | 52 / 500 // -                                                                       |                              | 52 / 800 // -                                                                        |                              |  |  |
| Solid/AWG                                                                                                                                                                      |           | [mm <sup>2</sup> ] / - | Screw<br>0.5 - 10 / 20 - 8                                                          | Push-in<br>0.5 - 10 / 20 - 8 | Screw<br>0.5 - 10 / 20 - 8                                                           | Push-in<br>0.5 - 10 / 20 - 8 |  |  |
| Stranded with ferrule without/with plastic sleeve                                                                                                                              |           | [mm <sup>2</sup> ]     | 0.5 - 6                                                                             | 0.5 - 6                      | 0.5 - 6                                                                              | 0.5 - 6                      |  |  |
| Can be plugged in directly: with ferrule / solid                                                                                                                               |           | [mm <sup>2</sup> ]     |                                                                                     | 1 - 6                        |                                                                                      | 1 - 6                        |  |  |

## PT-COMBI push-in connection terminal blocks 6 mm<sup>2</sup>, plug-in connection

|                                                   |           |                        |                                                                                                                                                                      |         |                                       |
|---------------------------------------------------|-----------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------------------------------------|
| <sup>1)</sup> Derating curve on request           |           |                        |   |         |                                       |
| Type                                              | Order No. | Gray                   | PTME 6/1P                                                                                                                                                            | 3212306 | Vertical conductor connection         |
| 1-pos.                                            |           | Gray                   |                                                                                                                                                                      |         | PP-H 6/1 <sup>1)</sup> 3061541        |
| 2-pos.                                            |           | Gray                   |                                                                                                                                                                      |         | PP-H 6/2 3061570                      |
| 3-pos.                                            |           | Gray                   |                                                                                                                                                                      |         | PP-H 6/3 3061583                      |
| 4-pos.                                            |           | Gray                   |                                                                                                                                                                      |         | PP-H 6/4 3061596                      |
| 5-pos.                                            |           | Gray                   |                                                                                                                                                                      |         | PP-H 6/5 3061606                      |
| 6-pos.                                            |           | Gray                   |                                                                                                                                                                      |         | PP-H 6/6 3061619                      |
| 7-pos.                                            |           | Gray                   |                                                                                                                                                                      |         | PP-H 6/7 3061622                      |
| 8-pos.                                            |           | Gray                   |                                                                                                                                                                      |         | PP-H 6/8 3061635                      |
| 9-pos.                                            |           | Gray                   |                                                                                                                                                                      |         | PP-H 6/9 3061648                      |
| 10-pos.                                           |           | Gray                   |                                                                                                                                                                      |         | PP-H 6/10 3061651                     |
| 1-pos.                                            |           | Blue                   |                                                                                                                                                                      |         | PP-H 6/1 BU 3061554                   |
| 1-pos.                                            |           | Green-yellow           |                                                                                                                                                                      |         | PP-H 6/1 GNYE 3061567                 |
| Width / Length / Height                           |           | [mm]                   | 8.2 / 99.4 / 49.6                                                                                                                                                    |         | 8.2 / 21 / 49.3                       |
| Current / Voltage // UL                           |           | [A] / [V]              | 30 / 500 // 30 / 600                                                                                                                                                 |         | 41 / 1000 // 40 / 600                 |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / - | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 8                                                                                                                                |         | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 8 |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]     | 0.5 - 6                                                                                                                                                              |         | 0.5 - 6                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 1.0 - 10                                                                                                                                                             |         | 1.0 - 10                              |

## PT-COMBI push-in connection terminal blocks 6 mm<sup>2</sup>, plug-in connection, with automatic short-circuit function

|                                                             |           |                                      |                                                                                    |         |                                                                                     |                    |                                                                                      |  |
|-------------------------------------------------------------|-----------|--------------------------------------|------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------|--|
| <sup>1)</sup> Rated voltage for open disconnect point 500 V |           |                                      |  |         |  |                    |  |  |
| Type                                                        | Order No. | Gray<br>Green-yellow<br>Gray<br>Gray | PTME 6-CT/1P                                                                       | 3212300 | PTMED 6-CT/1P<br>PTMED 6-CT/1P-PE                                                   | 3212301<br>3212302 | 2-pos. and 3-pos. plugs                                                              |  |
| Width / Length / Height                                     |           | [mm]                                 | 8.2 / 114.9 / 49.6                                                                 |         | 8.2 / 114.9 / 49.6                                                                  |                    | 16.4 / 38.5 / 48.5                                                                   |  |
| Current / Voltage // UL                                     |           | [A] / [V]                            | 30 / 500 // 30 / 600                                                               |         | 30 / 500 // 30 / 600                                                                |                    | 20 / 320 // 30 / 600                                                                 |  |
| Solid / AWG // Stranded / AWG                               |           | [mm²] / –                            | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 8                                              |         | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 8                                               |                    | 0.5 - 10 / 20 - 10 // 0.5 - 6 / 20 - 10                                              |  |
| Stranded with ferrule without/with plastic sleeve           |           | [mm²]                                | 0.5 - 6                                                                            |         | 0.5 - 6                                                                             |                    | 0.5 - 6                                                                              |  |
| Can be plugged in directly: with ferrule / solid            |           | [mm²]                                | 1 - 10                                                                             |         | 1 - 10                                                                              |                    | 1 - 10                                                                               |  |
|                                                             |           |                                      |                                                                                    |         |                                                                                     |                    | PPCT 6/2 3212304<br>PPCT 6/3 3212305                                                 |  |

## Accessories for plugs

|            |            |         |               |         |                            |         |                   |         |
|------------|------------|---------|---------------|---------|----------------------------|---------|-------------------|---------|
|            |            |         |               |         |                            |         |                   |         |
|            | Coding set |         | Strain relief |         | Latching and strain relief |         | Locking mechanism |         |
| PP-H 6 ... | PC         | 3040588 | PZ/2          | 3040627 | PRZ                        | 3040614 | PR/2              | 3040630 |
| PPCT 6/2   | PC-CT 6/2  | 3212308 | PZ/2          | 3040627 | PRZ                        | 3040614 | PR/2              | 3040630 |
| PPCT 6/3   | PC-CT 6/3  | 3212309 | PZ/2          | 3040627 | PRZ                        | 3040614 | PR/2              | 3040630 |

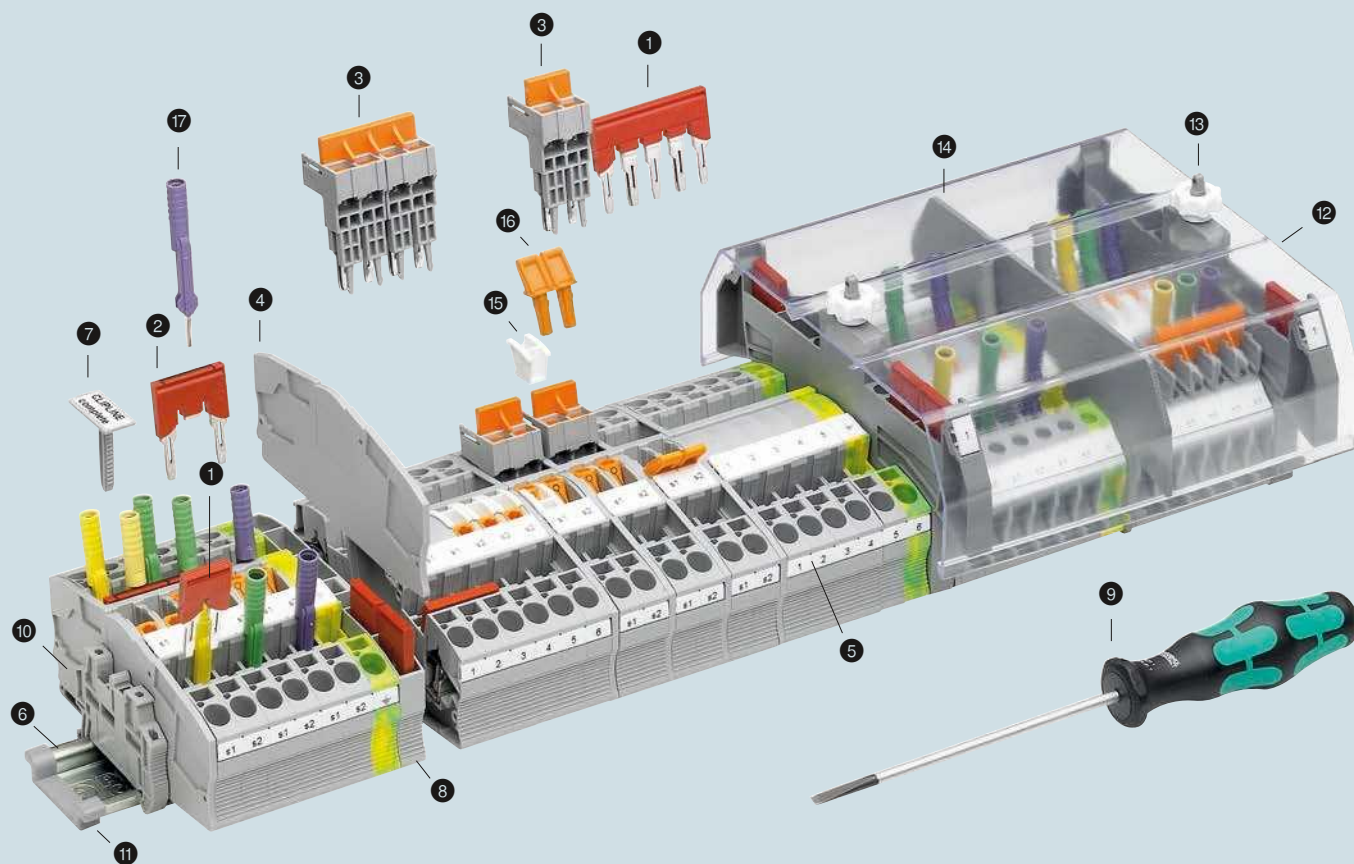
## PTME test disconnect terminal blocks – accessories

| Mounting material                                                                                                              | Type                                               | Order No.          | Mounting material                                                                               | Type                                                                         | Order No.                                                                                                                                                                                                                                                                           |
|--------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------|-------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>6</b> 35 x 7.5 mm DIN rail<br>galvanized and thick layer passivated<br>unperforated<br>perforated                           | NS 35/7,5 UNPERF 2000 MM<br>NS 35/7,5 PERF 2000 MM | 0801681<br>0801733 | <b>16</b> Connection bridge, for connecting test dis-<br>connect terminal blocks,<br>for PTME 4 | 2-pos.<br>3-pos.                                                             | C-ME 4/2<br>C-ME 4/3<br>3035759<br>3035760                                                                                                                                                                                                                                          |
| <b>7</b> Terminal strip marker carriers,<br>adjustable height,<br>for CLIPFIX 35-5,<br>can be marked with label                | KLM 3-L                                            | 0814788            | for PTME 6                                                                                      | 1-pos.<br>2-pos.<br>3-pos.                                                   | C-ME 6/1<br>C-ME 6/2<br>C-ME 6/3<br>3034441<br>3034442<br>3034390                                                                                                                                                                                                                   |
| <b>8</b> Separating disk,<br>with storage option<br>for jumpers FBS ...-8                                                      | CARRIER 35-8                                       | 3034387            | <b>17</b> Test adapter,<br>for PTME 6                                                           | Orange<br>Yellow<br>Green<br>Violet<br>Black<br>Blue<br>Red<br>Gray<br>Brown | PAI-4-FIX OG<br>PAI-4-FIX YE<br>PAI-4-FIX GN<br>PAI-4-FIX VT<br>PAI-4-FIX BK<br>PAI-4-FIX BU<br>PAI-4-FIX RD<br>PAI-4-FIX GY<br>PAI-4-FIX BN<br>3034455<br>3032745<br>3032758<br>3032761<br>3032774<br>3032729<br>3032732<br>3032790<br>3032787                                     |
| <b>9</b> Screwdriver                                                                                                           | SZF 2-0,8X4,0                                      | 1204520            | <b>17</b> Test adapter,<br>for PTME(D) 4                                                        | Orange<br>Yellow<br>Green<br>Violet<br>Black<br>Blue<br>Red<br>Gray<br>Brown | PAI-4-FIX-5/6 OG<br>PAI-4-FIX-5/6 YE<br>PAI-4-FIX-5/6 GN<br>PAI-4-FIX-5/6 VT<br>PAI-4-FIX-5/6 BK<br>PAI-4-FIX-5/6 BU<br>PAI-4-FIX-5/6 RD<br>PAI-4-FIX-5/6 GY<br>PAI-4-FIX-5/6 BN<br>3035974<br>3035977<br>3035978<br>3035979<br>3035980<br>3035975<br>3035976<br>3035982<br>3035981 |
| <b>10</b> Quick mounting end bracket,<br>with parking option for FBS...-6<br>Width / Length / Height<br>5 mm / 48.5 mm / 35 mm | CLIPFIX 35-5                                       | 3022276            | <b>1)</b> Jumpers with molded extraction tool,<br>for PTME 6                                    | 2-pos. FBSRH 2-8<br>3-pos. FBSRH 3-8<br>4-pos. FBSRH 4-8                     | 3033802<br>3033803<br>3033804                                                                                                                                                                                                                                                       |
| <b>11</b> DIN rail end cap,<br>for DIN rail NS 35/7,5<br>for DIN rail NS 35/15                                                 | NS 35/7,5 CAP<br>NS 35/15 CAP                      | 1206560<br>1206573 |                                                                                                 |                                                                              |                                                                                                                                                                                                                                                                                     |
| <b>12</b> Cover profile                                                                                                        | AP-ME METER                                        | 3034361            |                                                                                                 |                                                                              |                                                                                                                                                                                                                                                                                     |
| Covering hood <sup>1)</sup>                                                                                                    | AH-ME                                              | 3240265            |                                                                                                 |                                                                              |                                                                                                                                                                                                                                                                                     |
| <b>13</b> End brackets,<br>for AP-ME cover profile, sealable,<br>with storage option<br>for jumpers                            | APH-ME                                             | 3034374            |                                                                                                 |                                                                              |                                                                                                                                                                                                                                                                                     |
| <b>14</b> Holder,<br>for AP-ME cover profile                                                                                   | APT-ME                                             | 3034358            |                                                                                                 |                                                                              |                                                                                                                                                                                                                                                                                     |
| <b>15</b> Switching lock, plug-in,<br>for PTME 4                                                                               | S-ME 4<br>S-ME 6                                   | 3035758<br>3034439 |                                                                                                 |                                                                              |                                                                                                                                                                                                                                                                                     |

<sup>1)</sup> The figure can be found in the product area on the website.

| Terminal        | 1                  |                    |                    |                    |                     |                  | 2                             |                               |                               |                                 |                                       |
|-----------------|--------------------|--------------------|--------------------|--------------------|---------------------|------------------|-------------------------------|-------------------------------|-------------------------------|---------------------------------|---------------------------------------|
|                 | Jumpers            |                    |                    |                    |                     |                  | Pre-assembled jumpers         |                               |                               |                                 |                                       |
|                 | 2-pos.             | 3-pos.             | 4-pos.             | 5-pos.             | 10-pos.             | I <sub>max</sub> | 3-pos.<br>Position 1<br>and 3 | 4-pos.<br>Position 1<br>and 4 | 5-pos.<br>Position 1<br>and 5 | 5-pos.<br>Position 1.3<br>and 5 | 10-pos.<br>Position 1, 4, 7<br>and 10 |
| PTME ... 4 ...  | FBS 2-6<br>3030336 | FBS 3-6<br>3030242 | FBS 4-6<br>3030255 | FBS 5-6<br>3030349 | FBS 10-6<br>3030271 | 32 A             | –                             | –                             | –                             | –                               | –                                     |
| PTME ... 6 ...  | FBS 2-8<br>3030284 | FBS 3-8<br>3030297 | FBS 4-8<br>3030307 | FBS 5-8<br>3030310 | FBS 10-8<br>3030323 | 41 A             | FBS 1/3-8<br>3032363          | FBS 1/4-8<br>3032376          | FBS 1/5-8<br>3032381          | FBS 1/3/5-8<br>3032389          | FBS 1/4/7/10-8<br>3032402             |
| PTME ... 6/1P   | FBS 2-8<br>3030284 | FBS 3-8<br>3030297 | FBS 4-8<br>3030307 | FBS 5-8<br>3030310 | FBS 10-8<br>3030323 | 41 A             | FBS 1/3-8<br>3032363          | FBS 1/4-8<br>3032376          | FBS 1/5-8<br>3032381          | FBS 1/3/5-8<br>3032389          | FBS 1/4/7/10-8<br>3032402             |
| PTME 6-CT/1P-PE | FBS 2-8<br>3030284 | FBS 3-8<br>3030297 | FBS 4-8<br>3030307 | FBS 5-8<br>3030310 | FBS 10-8<br>3030323 | –                | FBS 1/3-8<br>3032363          | FBS 1/4-8<br>3032376          | FBS 1/5-8<br>3032381          | FBS 1/3/5-8<br>3032389          | FBS 1/4/7/10-8<br>3032402             |

Additional jumpers and numbers of positions can be found in main catalog 3 or the product area on our website at [phenixcontact.net/products](http://phenixcontact.net/products).



| I <sub>max.</sub> | Switching jumper <sup>2)</sup> |                      |                      | I <sub>max.</sub> | Cover                     | Marking            |                           |
|-------------------|--------------------------------|----------------------|----------------------|-------------------|---------------------------|--------------------|---------------------------|
|                   | 2-pos.                         | 3-pos.               | 4-pos.               |                   |                           | Center groove      | Center and lateral groove |
| –                 | SB-ME 2-6<br>3035755           | SB-ME 3-6<br>3035756 | SB-ME 4-6<br>3035757 | 25 A              | D-PTME 4<br>3212167       | UC-TM 6<br>0818085 | UC-TMF 6<br>0818140       |
| 41 A              | SB-ME 2-8<br>3034468           | SB-ME 3-8<br>3032800 | SB-ME 4-8<br>3034484 | 30 A              | D-DTME 6<br>3034426       | UC-TM 8<br>0818072 | UC-TMF 8<br>0818137       |
| 41 A              | SB-ME 2-8<br>3034468           | SB-ME 3-8<br>3032800 | SB-ME 4-8<br>3034484 | 30 A              | D-PTME 6/1P<br>3212307    | UC-TM 8<br>0818072 | UC-TMF 8<br>0818137       |
| 41 A              | –                              | –                    | –                    | –                 | D-PTME 6-CT/1P<br>3212303 | UC-TM 8<br>0818072 | UC-TMF 8<br>0818137       |

<sup>2)</sup> Additional jumpers can be found in main catalog 3 or in the product area on the website at [phoenixcontact.net/products](http://phoenixcontact.net/products).

# Safe and reliable testing – FAME test system with push-in connection

FAME 2 is the innovative test system for all measuring and testing tasks in network protection technology for medium and high-voltage switchgear. With the modular system, you can now perform manual testing automatically, safely, and more quickly.

The test system combines the switching operations of the functions current transformer, voltage transformer and signal contact in just one single block.



Variants for the control cabinet wall or DIN rail.



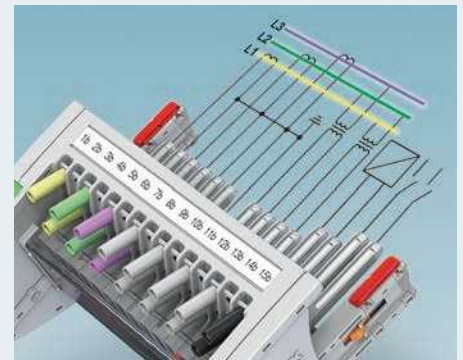
Step 1:  
Plug is locked  
– Transformer and  
signals isolated safely



Step 2:  
Plug is partially unlocked  
– Transformer makes  
contact



Step 3:  
Plug is completely  
unlocked  
– Signal lines make  
contact

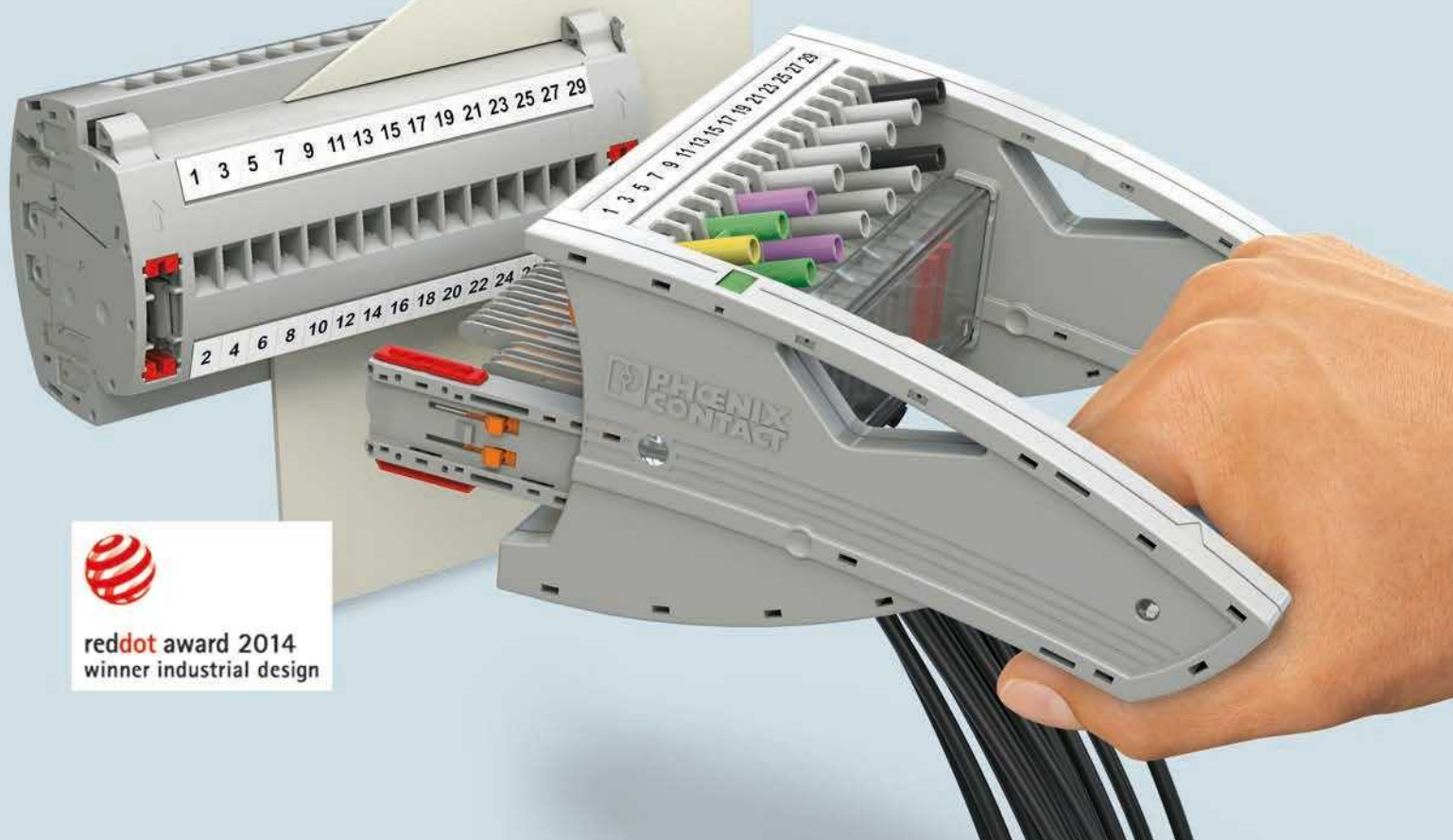


The test plug features three different contact tab lengths. With just one switching operation, it is possible to carry out the switching sequence of the individual functions with safe chronological disconnection. The plugs can be easily configured and ordered with just a click of the mouse in the E-shop.

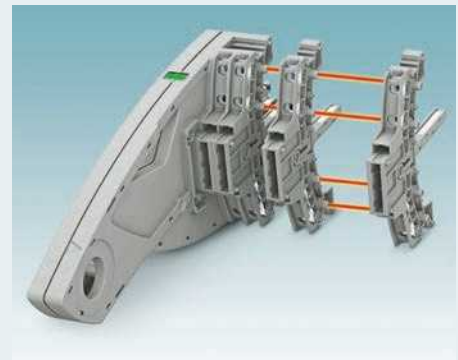
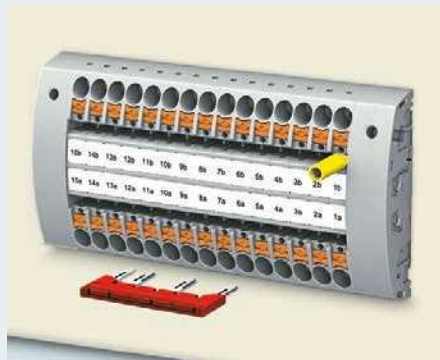
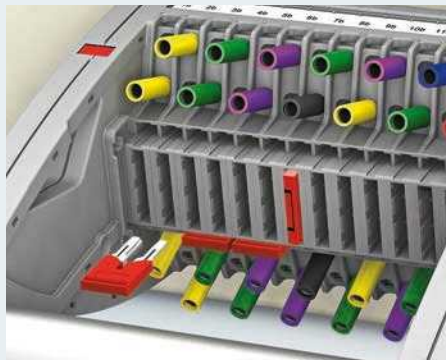
The patented wall fastening is easy to use and has a robust design.

## Push-in Technology

Designed by PHOENIX CONTACT



reddot award 2014  
winner industrial design



The test plug provides three function shafts. Horizontally aligned, as leading short-circuit jumper - vertically aligned as through connection in the plug. Staggered test sockets enable the use of safety test leads in a confined space.

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, as well as the plugs and test terminal strips, provides an extensive range of options for every application with positions from 4 to 25.

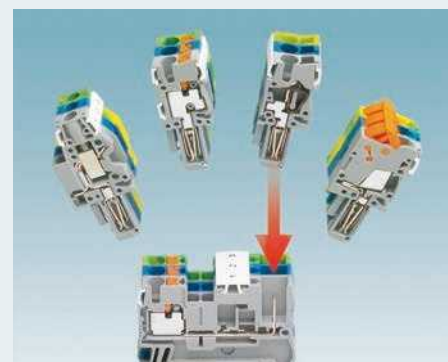
# Modular connection solutions – PT plug-in modular terminal blocks with push-in connection

The COMBI connection system enables the time-saving and modular configuration of your application.

The nominal ratings up to 41 A and 1000 V provide a basis for a unique connection system for signal and power wiring. The system meets the most stringent of vibration requirements. Extensive accessories are available, from latching mechanisms to shield connections.



The CES cable entry system allows you to insert a variety of pre-assembled conductors, cables, and protective hoses into areas with limited space in control cabinets, distributor boxes or devices, in a way which protects them against water and dust.

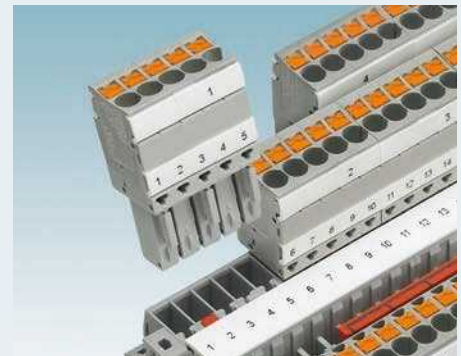
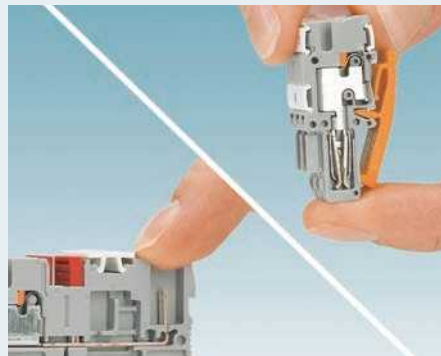
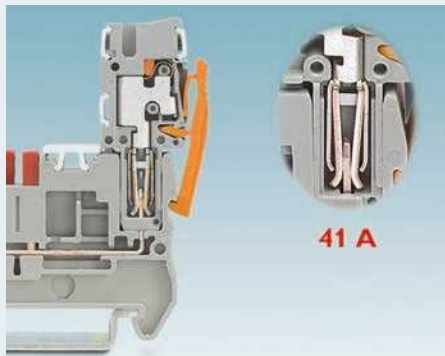


The COMBI connection system enables the time-saving and modular configuration of your application. Its distinguishing feature is its standardized plug-in zone. This plug-in zone allows terminal blocks and plugs to be combined to suit the application, regardless of the connection technology.

Plug and coupling can be assembled to meet the application requirement thanks to their modular design.



Plug latching, strain relief, or cable housing can be snapped on as required. All terminal points and plugs support clear, large-surface labeling.

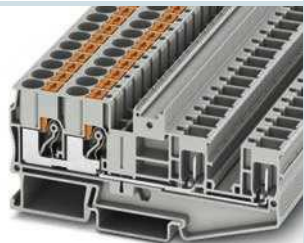


The COMBI connection system enables a plug-in wiring solution up to a nominal current of 41 A and a nominal voltage of 1000 V to be implemented. The contact system meets the most stringent of vibration requirements due to the integrated covering spring.

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 may be routed via the terminal blocks or the plugs.

Thanks to the straightforward, custom-coding option, wiring reliability is increased and incorrect connections are avoided. For this purpose, 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 on the plug.

## Plug-in COMBI terminal blocks

|                                                   |           |                                                              |                                                                                     |                               |                                                                                      |                               |                                                                                       |                               |
|---------------------------------------------------|-----------|--------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------|--------------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------------------|-------------------------------|
|                                                   |           |                                                              |    |                               |    |                               |    |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow<br>Gray<br>Blue<br>Green-yellow | MPT 1,5/S/1P<br>MPT 1,5/S/1P BU<br>MPT 1,5/S/1P-PE                                  | 3248115<br>3248116<br>3248117 | PT 1,5/S/1P<br>PT 1,5/S/1P BU<br>PT 1,5/S/1P-PE                                      | 3208582<br>3208595<br>3212332 | PT 2,5/1P<br>PT 2,5/1P BU<br>PT 2,5/1P-PE                                             | 3210033<br>3210046<br>3210059 |
| Width / Length / Height                           |           | [mm]                                                         | 3.5 / 33.55 / 28.1                                                                  |                               | 3.5 / 46 / 32                                                                        |                               | 5.2 / 48.5 / 36.5                                                                     |                               |
| Current / Voltage // UL                           |           | [A] / [V]                                                    | 17.5 / 500 // 15 / 600                                                              |                               | 17.5 / 500 // 15 / 600                                                               |                               | 24 / 500 // 20 / 600                                                                  |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -                                       | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                        |                               | 0.14 - 1.5 / 26 - 16 // 0.14 - 1.5 / 26 - 14                                         |                               | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                            |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ] / -                                       | 0.14 - 1.5 / 0.14 - 1                                                               |                               | 0.14 - 1.5 / 0.14 - 1                                                                |                               | 0.14 - 2.5                                                                            |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                                           | 0.34 - 1.5 / 0.25 - 1.5                                                             |                               | 0.34 - 1.5 / 0.25 - 1.5                                                              |                               | 0.34 - 2.5 / 0.34 - 4                                                                 |                               |
|                                                   |           |                                                              |    |                               |    |                               |                                                                                       |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow                                 | PT 4/1P<br>PT 4/1P BU<br>PT 4/1P-PE                                                 | 3211937<br>3212007<br>3211942 | PT 6/1P<br>PT 6/1P BU<br>PT 6/1P-PE                                                  | 3061758<br>3061761<br>3061774 |                                                                                       |                               |
| Width / Length / Height                           |           | [mm]                                                         | 6.2 / 56 / 36.5                                                                     |                               | 8.2 / 57.7 / 43.5                                                                    |                               |                                                                                       |                               |
| Current / Voltage // UL                           |           | [A] / [V]                                                    | 32 / 800 // 28 / 600                                                                |                               | 41 / 1000 // 40 / 600                                                                |                               |                                                                                       |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -                                       | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                              |                               | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10                                               |                               |                                                                                       |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ] / -                                       | 0.25 - 4                                                                            |                               | 0.5 - 6                                                                              |                               |                                                                                       |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                                           | 0.5 - 4 / 0.5 - 6                                                                   |                               | 1 - 6 / 1 - 10                                                                       |                               |                                                                                       |                               |
|                                                   |           |                                                              |  |                               |  |                               |                                                                                       |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow                                 | PT 1,5/S-TWIN/1P<br>PT 1,5/S-TWIN/1P BU<br>PT 1,5/S-TWIN/1P-PE                      | 3212358<br>3212361<br>3212374 | PT 2,5-TWIN/1P<br>PT 2,5-TWIN/1P BU<br>PT 2,5-TWIN/1P-PE                             | 3209633<br>3209646<br>3209659 |                                                                                       |                               |
| Width / Length / Height                           |           | [mm]                                                         | 3.5 / 55 / 32                                                                       |                               | 5.2 / 60.5 / 36.5                                                                    |                               |                                                                                       |                               |
| Current / Voltage // UL                           |           | [A] / [V]                                                    | 17.5 / 500 // 15 / 600                                                              |                               | 24 / 500 // 20 / 600                                                                 |                               |                                                                                       |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -                                       | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                        |                               | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                           |                               |                                                                                       |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ] / -                                       | 0.14 - 1.5 / 0.14 - 1                                                               |                               | 0.14 - 2.5                                                                           |                               |                                                                                       |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                                           | 0.34 - 1.5 / 0.25 - 1.5                                                             |                               | 0.34 - 2.5 / 0.34 - 4                                                                |                               |                                                                                       |                               |
|                                                   |           |                                                              |  |                               |  |                               |  |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow                                 | PT 1,5/S-QUATTRO/2P<br>PT 1,5/S-QUATTRO/2P BU<br>PT 1,5/S-QUATTRO/2P-PE             | 3212390<br>3212400<br>3212413 | PT 2,5-QUATTRO/2P<br>PT 2,5-QUATTRO/2P BU<br>PT 2,5-QUATTRO/2P-PE                    | 3209662<br>3209675<br>3209688 | PT 6-QUATTRO/2P<br>PT 6-QUATTRO/2P BU<br>PT 6-QUATTRO/2P-PE                           | 3061826<br>3061839<br>3061842 |
| Width / Length / Height                           |           | [mm]                                                         | 3.5 / 78.5 / 32                                                                     |                               | 5.2 / 81 / 36.5                                                                      |                               | 8.2 / 99.8 / 43.5                                                                     |                               |
| Current / Voltage // UL                           |           | [A] / [V]                                                    | 17.5 / 500 // 15 / 600                                                              |                               | 24 / 500 // 20 / 600                                                                 |                               | 41 / 1000 // 40 / 600                                                                 |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -                                       | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                        |                               | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                           |                               | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10                                                |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ] / -                                       | 0.14 - 1.5 / 0.14 - 1                                                               |                               | 0.14 - 2.5                                                                           |                               | 0.5 - 6                                                                               |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                                           | 0.34 - 1.5 / 0.25 - 1.5                                                             |                               | 0.34 - 2.5 / 0.34 - 4                                                                |                               | 1 - 6 / 1 - 10                                                                        |                               |

## Plug-in COMBI terminal blocks



| Type | Order No. | Gray         | PT 2,5-HEXA/3P    | 3040044 |
|------|-----------|--------------|-------------------|---------|
|      |           | Blue         | PT 2,5-HEXA/3P BU | 3040048 |
|      |           | Green-yellow | PT 2,5-HEXA/3P-PE | 3040052 |

|                                                   |           |                                            |
|---------------------------------------------------|-----------|--------------------------------------------|
| Width / Length / Height                           | [mm]      | 5.2 / 111.2 / 35.3                         |
| Current / Voltage // UL                           | [A] / [V] | 24 / 500 // -                              |
| Solid / AWG // Stranded / AWG                     | [mm²] / - | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |
| Stranded with ferrule without/with plastic sleeve | [mm²]     | 0.14 - 2.5                                 |
| Can be plugged in directly: with ferrule / solid  | [mm²]     | 0.34 - 2.5 / 0.34 - 4                      |

...-PV = with equipotential bonding



| Type | Order No. | Gray         | PTTB 1,5/S/2P    | 3212439 |
|------|-----------|--------------|------------------|---------|
|      |           | Blue         | PTTB 1,5/S/2P BU | 3212442 |
|      |           | Green-yellow | PTTB 1,5/S/2P-PE | 3212455 |

|                                                   |           |                                              |
|---------------------------------------------------|-----------|----------------------------------------------|
| Width / Length / Height                           | [mm]      | 3.5 / 69.3 / 42.6                            |
| Current / Voltage // UL                           | [A] / [V] | 16 / 500 // 15 / 600                         |
| Solid / AWG // Stranded / AWG                     | [mm²] / - | 0.14 - 1.5 / 26 - 16 // 0.14 - 1.5 / 26 - 14 |
| Stranded with ferrule without/with plastic sleeve | [mm²]     | 0.14 - 1.5 / 0.14 - 1                        |
| Can be plugged in directly: with ferrule / solid  | [mm²]     | 0.34 - 1.5 / 0.25 - 1.5                      |



| Type | Order No. | Gray | PTTB 1,5/S/2P-PV | 3212468 |
|------|-----------|------|------------------|---------|
|------|-----------|------|------------------|---------|

|                                                   |           |                                              |
|---------------------------------------------------|-----------|----------------------------------------------|
| Width / Length / Height                           | [mm]      | 3.5 / 69.3 / 42.6                            |
| Current / Voltage // UL                           | [A] / [V] | 16 / 500 // 15 / 600                         |
| Solid / AWG // Stranded / AWG                     | [mm²] / - | 0.14 - 1.5 / 26 - 16 // 0.14 - 1.5 / 26 - 14 |
| Stranded with ferrule without/with plastic sleeve | [mm²]     | 0.14 - 1.5 / 0.14 - 1                        |
| Can be plugged in directly: with ferrule / solid  | [mm²]     | 0.34 - 1.5 / 0.25 - 1.5                      |



| Type | Order No. | Gray         | PTTB 2,5/2P    | 3210871 |
|------|-----------|--------------|----------------|---------|
|      |           | Blue         | PTTB 2,5/2P BU | 3210884 |
|      |           | Green-yellow | PTTB 2,5/2P-PE | 3210897 |

|                                                   |           |                                            |
|---------------------------------------------------|-----------|--------------------------------------------|
| Width / Length / Height                           | [mm]      | 5.2 / 71.5 / 47.5                          |
| Current / Voltage // UL                           | [A] / [V] | 22 / 500 // 20 / 600                       |
| Solid / AWG // Stranded / AWG                     | [mm²] / - | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |
| Stranded with ferrule without/with plastic sleeve | [mm²]     | 0.14 - 2.5                                 |
| Can be plugged in directly: with ferrule / solid  | [mm²]     | 0.34 - 2.5 / 0.34 - 4                      |



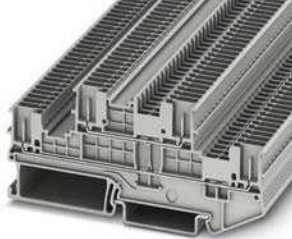
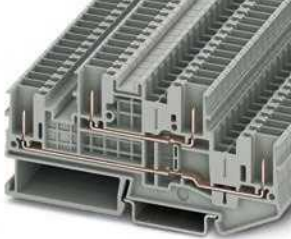
| Type | Order No. | Gray | PTTB 2,5/2P-PV | 3210907 |
|------|-----------|------|----------------|---------|
|------|-----------|------|----------------|---------|

|                                                   |           |                                            |
|---------------------------------------------------|-----------|--------------------------------------------|
| Width / Length / Height                           | [mm]      | 5.2 / 71.5 / 47.5                          |
| Current / Voltage // UL                           | [A] / [V] | 22 / 500 // 20 / 600                       |
| Solid / AWG // Stranded / AWG                     | [mm²] / - | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14 |
| Stranded with ferrule without/with plastic sleeve | [mm²]     | 0.14 - 2.5                                 |
| Can be plugged in directly: with ferrule / solid  | [mm²]     | 0.34 - 2.5 / 0.34 - 4                      |

## Plug-in desk-design COMBI terminal blocks

|                                                   |           |                                      |                                                                                           |                                          |                                                                                    |                               |
|---------------------------------------------------|-----------|--------------------------------------|-------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------------------|-------------------------------|
|                                                   |           |                                      |          |                                          |  |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow         | PTS 1,5/S/1P<br>PTS 1,5/S/1P BU<br>PTS 1,5/S/1P-PE                                        | 3214453<br>3214466<br>3214479            | PTS 1,5/S-TWIN/1P<br>PTS 1,5/S-TWIN/1P BU<br>PTS 1,5/S-TWIN/1P-PE                  | 3214709<br>3214712<br>3214725 |
| Width / Length / Height                           |           | [mm]                                 | 3.5 / 50.7 / 38.5                                                                         |                                          | 3.5 / 50.7 / 38.5                                                                  |                               |
| Current / Voltage // UL                           |           | [A] / [V]                            | 17.5 / 500 // 15 / 600                                                                    |                                          | 17.5 / 500 // 15 / 600                                                             |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -               | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                              |                                          | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                       |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]                   | 0.14 - 1.5 / 0.14 - 1                                                                     |                                          | 0.14 - 1.5 / 0.14 - 1                                                              |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                   | 0.34 - 1.5 / 0.25 - 1.5                                                                   |                                          | 0.34 - 1.5 / 0.25 - 1.5                                                            |                               |
| ...-PV = with equipotential bonding               |           |                                      |          |                                          |                                                                                    |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Gray<br>Green-yellow | PTTBS 1,5/S/2P<br>PTTBS 1,5/S/2P BU<br>PTTBS 1,5/S/2P-PV<br>PTTBS 1,5/S/2P-PE             | 3214495<br>3214505<br>3214521<br>3214518 |                                                                                    |                               |
| Width / Length / Height                           |           | [mm]                                 | 3.5 / 78 / 55                                                                             |                                          |                                                                                    |                               |
| Current / Voltage // UL                           |           | [A] / [V]                            | 16 / 500 // 15 / 600                                                                      |                                          |                                                                                    |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -               | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                              |                                          |                                                                                    |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]                   | 0.14 - 1.5 / 0.14 - 1                                                                     |                                          |                                                                                    |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                   | 0.34 - 1.5 / 0.25 - 1.5                                                                   |                                          |                                                                                    |                               |
| ...-PV = with equipotential bonding               |           |                                      |         |                                          |                                                                                    |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Gray<br>Green-yellow | PTTBS 2,5-TWIN/2P<br>PTTBS 2,5-TWIN/2P BU<br>PTTBS 2,5-TWIN/2P-PV<br>PTTBS 2,5-TWIN/2P-PE | 3210604<br>3210605<br>3210607<br>3210606 |                                                                                    |                               |
| Width / Length / Height                           |           | [mm]                                 | 5.2 / 111.8 / 55                                                                          |                                          |                                                                                    |                               |
| Current / Voltage // UL                           |           | [A] / [V]                            | 24 / 500 // -                                                                             |                                          |                                                                                    |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -               | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                                |                                          |                                                                                    |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]                   | 0.14 - 2.5                                                                                |                                          |                                                                                    |                               |
|                                                   |           |                                      | 0.34 - 2.5 / 0.34 - 4                                                                     |                                          |                                                                                    |                               |

## Plug-in COMBI PIN/PIN terminal blocks

|                                                   |           |                                      |                                                                                   |                               |                                                                           |                                                                                    |                                                                   |                                          |                                                                                     |  |  |
|---------------------------------------------------|-----------|--------------------------------------|-----------------------------------------------------------------------------------|-------------------------------|---------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|--|--|
|                                                   |           |                                      |  |                               |                                                                           |  |                                                                   |                                          |  |  |  |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow         | PT 1,5/S/2P<br>PT 1,5/S/2P BU<br>PT 1,5/S/2P-PE                                   | 3213784<br>3213797<br>3213810 | ST 2,5/2P<br>ST 2,5/2P BU<br>ST 2,5/2P-PE                                 | 3042133<br>3042094<br>3042146                                                      | ST 4/2P<br>ST 4/2P BU<br>ST 4/2P-PE                               | 3042735<br>3043789<br>3042748            |                                                                                     |  |  |
| Width / Length / Height                           |           | [mm]                                 | 3.5 / 45.8 / 32                                                                   |                               | 5.2 / 49.1 / 36.5                                                         |                                                                                    | 6.2 / 55.9 / 36.5                                                 |                                          |                                                                                     |  |  |
| Current / Voltage // UL                           |           | [A] / [V]                            | 17.5 / 500 // 15 / 600                                                            |                               | 24 / 500 // 20 / 600                                                      |                                                                                    | 32 / 800 // -                                                     |                                          |                                                                                     |  |  |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -               | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                      |                               | 0.08 - 4 / 28 - 12 // 0.08 - 2.5 / 28 - 14                                |                                                                                    | 0.08 - 6 / 28 - 10 // 0.08 - 4 / 28 - 12                          |                                          |                                                                                     |  |  |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]                   | 0.14 - 1.5 / 0.14 - 1                                                             |                               | 0.14 - 2.5                                                                |                                                                                    | 0.14 - 4                                                          |                                          |                                                                                     |  |  |
| ...-PV = with equipotential bonding               |           |                                      |  |                               |                                                                           |  |                                                                   |                                          |  |  |  |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow<br>Gray | ST 2,5-QUATTRO/4P<br>ST 2,5-QUATTRO/4P BU<br>ST 2,5-QUATTRO/4P-PE                 | 3042159<br>3042081<br>3042162 | PTTB 1,5/S/4P<br>PTTB 1,5/S/4P BU<br>PTTB 1,5/S/4P-PE<br>PTTB 1,5/S/4P-PV | 3213865<br>3213878<br>3213881<br>3213852                                           | STTB 2,5/4P<br>STTB 2,5/4P BU<br>STTB 2,5/4P-PE<br>STTB 2,5/4P-PV | 3061486<br>3061512<br>3061499<br>3061509 |                                                                                     |  |  |
| Width / Length / Height                           |           | [mm]                                 | 5.2 / 89.5 / 36.5                                                                 |                               | 3.5 / 93.9 / 42.6                                                         |                                                                                    | 5.2 / 98.8 / 47.5                                                 |                                          |                                                                                     |  |  |
| Current / Voltage // UL                           |           | [A] / [V]                            | 24 / 500 // 20 / 600                                                              |                               | 16 / 500 // 15 / 600                                                      |                                                                                    | 22 / 500 // 20 / 600                                              |                                          |                                                                                     |  |  |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -               | 0.08 - 4 / 28 - 12 // 0.08 - 2.5 / 28 - 14                                        |                               | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                              |                                                                                    | 0.08 - 4 / 28 - 12 // 0.08 - 2.5 / 28 - 14                        |                                          |                                                                                     |  |  |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]                   | 0.14 - 2.5                                                                        |                               | 0.14 - 1.5 / 0.14 - 1                                                     |                                                                                    | 0.14 - 2.5                                                        |                                          |                                                                                     |  |  |

## COMBI couplings

|                                                   |           |                                                                                                                                                |                                                                                                                                                                                                                              |                                                                                                                                                        |                                                                                                  |                                                                                                 |
|---------------------------------------------------|-----------|------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|
|                                                   |           |                                                                                                                                                |                                                                                                                                             |                                                                                                                                                        |                |                                                                                                 |
| Type                                              | Order No. | 2-pos.<br>3-pos.<br>4-pos.<br>5-pos.<br>6-pos.<br>7-pos.<br>8-pos.<br>9-pos.<br>10-pos.<br>11-pos.<br>12-pos.<br>13-pos.<br>14-pos.<br>15-pos. | PPC 1,5/S/ 2<br>PPC 1,5/S/ 3<br>PPC 1,5/S/ 4<br>PPC 1,5/S/ 5<br>PPC 1,5/S/ 6<br>PPC 1,5/S/ 7<br>PPC 1,5/S/ 8<br>PPC 1,5/S/ 9<br>PPC 1,5/S/10<br>PPC 1,5/S/11<br>PPC 1,5/S/12<br>PPC 1,5/S/13<br>PPC 1,5/S/14<br>PPC 1,5/S/15 | 3213386<br>3213399<br>3213409<br>3213412<br>3213425<br>3213438<br>3213441<br>3213454<br>3213467<br>3213470<br>3213483<br>3213496<br>3213506<br>3213519 | PPC 6/2<br>PPC 6/3<br>PPC 6/4<br>PPC 6/5<br>PPC 6/6<br>PPC 6/7<br>PPC 6/8<br>PPC 6/9<br>PPC 6/10 | 3000693<br>3000694<br>3000695<br>3000697<br>3000698<br>3000699<br>3000700<br>3000701<br>3000702 |
| Width / Length / Height                           |           | [mm]                                                                                                                                           | - / 27 / 17,8                                                                                                                                                                                                                |                                                                                                                                                        | - / 47 / 24,7                                                                                    |                                                                                                 |
| Current / Voltage // UL                           |           | [A] / [V]                                                                                                                                      | 17,5 / 500 // 15 / 600                                                                                                                                                                                                       |                                                                                                                                                        | 41 / 1000 // 40 / 600                                                                            |                                                                                                 |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -                                                                                                                         | 0.14 - 1.5 / 26 - 16 // 0.14 - 1.5 / 26 - 14                                                                                                                                                                                 |                                                                                                                                                        | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10                                                           |                                                                                                 |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ] / -                                                                                                                         | 0.14 - 1.5 / 0.14 - 1                                                                                                                                                                                                        |                                                                                                                                                        | 0.5 - 6                                                                                          |                                                                                                 |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                                                                                                                             | 0.34 - 1.5 / 0.25 - 1.5                                                                                                                                                                                                      |                                                                                                                                                        | 1 - 6 / 1 - 10                                                                                   |                                                                                                 |

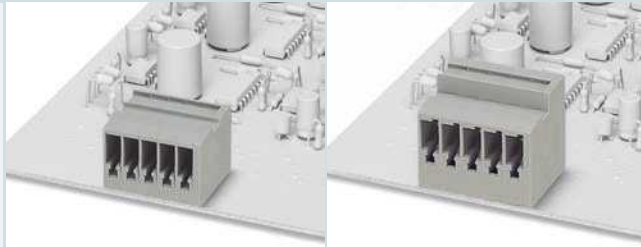
## Self-assembly COMBI couplings

|                                                   |           |                                       |                                                                                    |                                          |                                                                                     |                                          |
|---------------------------------------------------|-----------|---------------------------------------|------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------|
|                                                   |           |                                       |  |                                          |  |                                          |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow<br>Cover | PPC 1,5/S/1-L<br>PPC 1,5/S/1-L BU<br>PPC 1,5/S/1-L GNYE<br>D-PPC 1,5/S             | 3213357<br>3213360<br>3213373<br>3213690 | PPC 6/1-L<br>PPC 6/1-L BU<br>PPC 6/1-L GNYE<br>D-PPC 6                              | 3000690<br>3000691<br>3000692<br>3000703 |
| Width / Length / Height                           |           | [mm]                                  | 3.5 / 27 / 17,8                                                                    |                                          | 8.2 / 47 / 24,7                                                                     |                                          |
| Current / Voltage // UL                           |           | [A] / [V]                             | 17,5 / 500 // 15 / 600                                                             |                                          | 41 / 1000 // 40 / 600                                                               |                                          |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / -                | 0.14 - 1.5 / 26 - 16 // 0.14 - 1.5 / 26 - 14                                       |                                          | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10                                              |                                          |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ] / -                | 0.14 - 1.5 / 0.14 - 1                                                              |                                          | 0.5 - 6                                                                             |                                          |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]                    | 0.34 - 1.5 / 0.25 - 1.5                                                            |                                          | 1 - 6 / 1 - 10                                                                      |                                          |

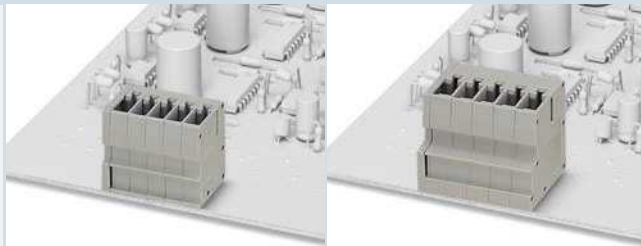
## Self-assembly COMBI couplings for DIN rail mounting

|                                                   |           |                        |                                                                                     |                    |                                                                                      |                    |
|---------------------------------------------------|-----------|------------------------|-------------------------------------------------------------------------------------|--------------------|--------------------------------------------------------------------------------------|--------------------|
|                                                   |           |                        |  |                    |  |                    |
| Type                                              | Order No. | Gray<br>Cover          | PPC 1,5/NS/1-L<br>D-PPC 1,5/S                                                       | 3213700<br>3213690 | PPC 6-NS/1-L<br>D-PPC 6                                                              | 3000689<br>3000703 |
| Width / Length / Height                           |           | [mm]                   | 3.5 / 27.1 / 28,3                                                                   |                    | 8.2 / 27 / 38                                                                        |                    |
| Current / Voltage // UL                           |           | [A] / [V]              | 17,5 / 500 // 15 / 600                                                              |                    | 41 / 1000 // 40 / 600                                                                |                    |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / - | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                        |                    | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10                                               |                    |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]     | 0.14 - 1.5 / 0.14 - 1                                                               |                    | 0.5 - 6                                                                              |                    |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 0.34 - 1.5 / 0.25 - 1.5                                                             |                    | 1 - 6 / 1 - 10                                                                       |                    |

## Self-assembly COMBI headers for PCB connection



| Type                    | Order No. | 2-pos.    | ST 2,5-PCB/ 2-G-5,2  | 1980378 | ST 4-PCB/ 2-G-6,2  | 1980598 |
|-------------------------|-----------|-----------|----------------------|---------|--------------------|---------|
|                         |           | 3-pos.    | ST 2,5-PCB/ 3-G-5,2  | 1980381 | ST 4-PCB/ 3-G-6,2  | 1980608 |
|                         |           | 4-pos.    | ST 2,5-PCB/ 4-G-5,2  | 1980394 | ST 4-PCB/ 4-G-6,2  | 1980611 |
|                         |           | 5-pos.    | ST 2,5-PCB/ 5-G-5,2  | 1980404 | ST 4-PCB/ 5-G-6,2  | 1980624 |
|                         |           | 6-pos.    | ST 2,5-PCB/ 6-G-5,2  | 1980417 | ST 4-PCB/ 6-G-6,2  | 1980637 |
|                         |           | 7-pos.    | ST 2,5-PCB/ 7-G-5,2  | 1980420 | ST 4-PCB/ 7-G-6,2  | 1980640 |
|                         |           | 8-pos.    | ST 2,5-PCB/ 8-G-5,2  | 1980433 | ST 4-PCB/ 8-G-6,2  | 1980653 |
|                         |           | 9-pos.    | ST 2,5-PCB/ 9-G-5,2  | 1980446 | ST 4-PCB/ 9-G-6,2  | 1980666 |
|                         |           | 10-pos.   | ST 2,5-PCB/ 10-G-5,2 | 1980459 | ST 4-PCB/ 10-G-6,2 | 1980679 |
|                         |           | 11-pos.   | ST 2,5-PCB/ 11-G-5,2 | 1980462 | ST 4-PCB/ 11-G-6,2 | 1980682 |
|                         |           | 12-pos.   | ST 2,5-PCB/ 12-G-5,2 | 1980475 | ST 4-PCB/ 12-G-6,2 | 1980695 |
| Pitch                   |           | [mm]      | 5.2                  |         | 6.2                |         |
| Current / Voltage // UL |           | [A] / [V] | 24 / 500 // -        |         | 32 / 800 // -      |         |



|                         |           |           |                       |         |                     |         |  |
|-------------------------|-----------|-----------|-----------------------|---------|---------------------|---------|--|
| Type                    | Order No. | 2-pos.    | ST 2,5-PCBV/ 2-G-5,2  | 1980488 | ST 4-PCBV/ 2-G-6,2  | 1980705 |  |
|                         |           | 3-pos.    | ST 2,5-PCBV/ 3-G-5,2  | 1980491 | ST 4-PCBV/ 3-G-6,2  | 1980718 |  |
|                         |           | 4-pos.    | ST 2,5-PCBV/ 4-G-5,2  | 1980501 | ST 4-PCBV/ 4-G-6,2  | 1980721 |  |
|                         |           | 5-pos.    | ST 2,5-PCBV/ 5-G-5,2  | 1980514 | ST 4-PCBV/ 5-G-6,2  | 1980734 |  |
|                         |           | 6-pos.    | ST 2,5-PCBV/ 6-G-5,2  | 1980527 | ST 4-PCBV/ 6-G-6,2  | 1980747 |  |
|                         |           | 7-pos.    | ST 2,5-PCBV/ 7-G-5,2  | 1980530 | ST 4-PCBV/ 7-G-6,2  | 1980750 |  |
|                         |           | 8-pos.    | ST 2,5-PCBV/ 8-G-5,2  | 1980543 | ST 4-PCBV/ 8-G-6,2  | 1980763 |  |
|                         |           | 9-pos.    | ST 2,5-PCBV/ 9-G-5,2  | 1980556 | ST 4-PCBV/ 9-G-6,2  | 1980776 |  |
|                         |           | 10-pos.   | ST 2,5-PCBV/ 10-G-5,2 | 1980569 | ST 4-PCBV/ 10-G-6,2 | 1980789 |  |
|                         |           | 11-pos.   | ST 2,5-PCBV/ 11-G-5,2 | 1980572 | ST 4-PCBV/ 11-G-6,2 | 1980792 |  |
|                         |           | 12-pos.   | ST 2,5-PCBV/ 12-G-5,2 | 1980585 | ST 4-PCBV/ 12-G-6,2 | 1980802 |  |
|                         |           | Pitch     |                       | [mm]    | 5.2                 |         |  |
| Current / Voltage // UL |           | [A] / [V] | 24 / 500 // -         |         | 32 / 800 // -       |         |  |

## COMBI connectors

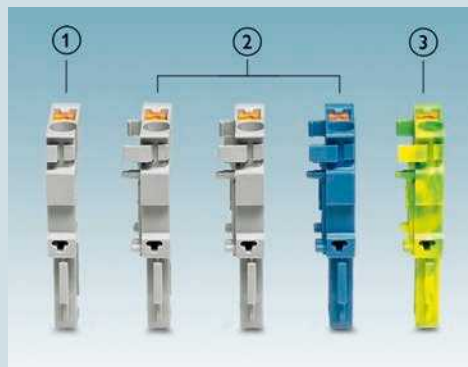
|                                                   |           |                        |                                                                                    |         |                                                                                    |         |                                                                                     |         |
|---------------------------------------------------|-----------|------------------------|------------------------------------------------------------------------------------|---------|------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|---------|
|                                                   |           |                        |   |         |  |         |  |         |
| Type                                              | Order No. | 1-pos.                 | PP-H 1,5/S/1                                                                       | 3212484 | PP-H 2,5/1                                                                         | 3209866 | PP-H 4/1                                                                            | 3212010 |
|                                                   |           | 2-pos.                 | PP-H 1,5/S/2                                                                       | 3212510 | PP-H 2,5/2                                                                         | 3209879 | PP-H 4/2                                                                            | 3212016 |
|                                                   |           | 3-pos.                 | PP-H 1,5/S/3                                                                       | 3212523 | PP-H 2,5/3                                                                         | 3209883 | PP-H 4/3                                                                            | 3212022 |
|                                                   |           | 4-pos.                 | PP-H 1,5/S/4                                                                       | 3212536 | PP-H 2,5/4                                                                         | 3209895 | PP-H 4/4                                                                            | 3212029 |
|                                                   |           | 5-pos.                 | PP-H 1,5/S/5                                                                       | 3212549 | PP-H 2,5/5                                                                         | 3209905 | PP-H 4/5                                                                            | 3212035 |
|                                                   |           | 6-pos.                 | PP-H 1,5/S/6                                                                       | 3212552 | PP-H 2,5/6                                                                         | 3209918 | PP-H 4/6                                                                            | 3212041 |
|                                                   |           | 7-pos.                 | PP-H 1,5/S/7                                                                       | 3212565 | PP-H 2,5/7                                                                         | 3209921 | PP-H 4/7                                                                            | 3212048 |
|                                                   |           | 8-pos.                 | PP-H 1,5/S/8                                                                       | 3212578 | PP-H 2,5/8                                                                         | 3209934 | PP-H 4/8                                                                            | 3212054 |
|                                                   |           | 9-pos.                 | PP-H 1,5/S/9                                                                       | 3212581 | PP-H 2,5/9                                                                         | 3209947 | PP-H 4/9                                                                            | 3212061 |
|                                                   |           | 10-pos.                | PP-H 1,5/S/10                                                                      | 3212594 | PP-H 2,5/10                                                                        | 3209950 | PP-H 4/10                                                                           | 3212067 |
|                                                   |           | 11-pos.                | PP-H 1,5/S/11                                                                      | 3212604 | PP-H 2,5/11                                                                        | 3209963 | PP-H 4/11                                                                           | 3212074 |
|                                                   |           | 12-pos.                | PP-H 1,5/S/12                                                                      | 3212617 | PP-H 2,5/12                                                                        | 3209976 | PP-H 4/12                                                                           | 3212080 |
|                                                   |           | 13-pos.                | PP-H 1,5/S/13                                                                      | 3212620 | PP-H 2,5/13                                                                        | 3209989 | PP-H 4/13                                                                           | 3212087 |
|                                                   |           | 14-pos.                | PP-H 1,5/S/14                                                                      | 3212633 | PP-H 2,5/14                                                                        | 3209992 | PP-H 4/14                                                                           | 3212093 |
|                                                   |           | 15-pos.                | PP-H 1,5/S/15                                                                      | 3212646 | PP-H 2,5/15                                                                        | 3210004 | PP-H 4/15                                                                           | 3212100 |
|                                                   |           | Blue                   | PP-H 1,5/S/1 BU                                                                    | 3212497 | PP-H 2,5/1 BU                                                                      | 3210017 | PP-H 4/1 BU                                                                         | 3212077 |
|                                                   |           | Green-yellow           | PP-H 1,5/S/1 GNYE                                                                  | 3212507 | PP-H 2,5/1 GNYE                                                                    | 3210020 | PP-H 4/1 GNYE                                                                       | 3212088 |
| Width / Length / Height                           |           | [mm]                   | - / 16.5 / 31.3                                                                    |         | - / 15.8 / 39                                                                      |         | - / 21 / 42.3                                                                       |         |
| Current / Voltage // UL                           |           | [A] / [V]              | 17.5 / 500 // 15 / 600                                                             |         | 24 / 500 // 20 / 600                                                               |         | 32 / 800 // 28 / 600                                                                |         |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / - | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                       |         | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                         |         | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                              |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]     | 0.14 - 1.5 / 0.14 - 1                                                              |         | 0.14 - 2.5                                                                         |         | 0.25 - 4                                                                            |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 0.34 - 1.5 / 0.25 - 1.5                                                            |         | 0.34 - 2.5 / 0.34 - 4                                                              |         | 0.5 - 4 / 0.5 - 6                                                                   |         |
|                                                   |           |                        |  |         |                                                                                    |         |                                                                                     |         |
| Type                                              | Order No. | 1-pos.                 | PP-H 6/1                                                                           | 3061541 |                                                                                    |         |                                                                                     |         |
|                                                   |           | 2-pos.                 | PP-H 6/2                                                                           | 3061570 |                                                                                    |         |                                                                                     |         |
|                                                   |           | 3-pos.                 | PP-H 6/3                                                                           | 3061583 |                                                                                    |         |                                                                                     |         |
|                                                   |           | 4-pos.                 | PP-H 6/4                                                                           | 3061596 |                                                                                    |         |                                                                                     |         |
|                                                   |           | 5-pos.                 | PP-H 6/5                                                                           | 3061606 |                                                                                    |         |                                                                                     |         |
|                                                   |           | 6-pos.                 | PP-H 6/6                                                                           | 3061619 |                                                                                    |         |                                                                                     |         |
|                                                   |           | 7-pos.                 | PP-H 6/7                                                                           | 3061622 |                                                                                    |         |                                                                                     |         |
|                                                   |           | 8-pos.                 | PP-H 6/8                                                                           | 3061635 |                                                                                    |         |                                                                                     |         |
|                                                   |           | 9-pos.                 | PP-H 6/9                                                                           | 3061648 |                                                                                    |         |                                                                                     |         |
|                                                   |           | 10-pos.                | PP-H 6/10                                                                          | 3061651 |                                                                                    |         |                                                                                     |         |
|                                                   |           | Blue                   | PP-H 6/1 BU                                                                        | 3061554 |                                                                                    |         |                                                                                     |         |
|                                                   |           | Green-yellow           | PP-H 6/1 GNYE                                                                      | 3061567 |                                                                                    |         |                                                                                     |         |
| Width / Length / Height                           |           | [mm]                   | - / 21 / 49.3                                                                      |         |                                                                                    |         |                                                                                     |         |
| Current / Voltage // UL                           |           | [A] / [V]              | 32 / 800 // 40 / 600                                                               |         |                                                                                    |         |                                                                                     |         |
| Solid / AWG // Stranded / AWG                     |           | [mm <sup>2</sup> ] / - | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10                                             |         |                                                                                    |         |                                                                                     |         |
| Stranded with ferrule without/with plastic sleeve |           | [mm <sup>2</sup> ]     | 0.5 - 6                                                                            |         |                                                                                    |         |                                                                                     |         |
| Can be plugged in directly: with ferrule / solid  |           | [mm <sup>2</sup> ]     | 1 - 6 / 1 - 10                                                                     |         |                                                                                    |         |                                                                                     |         |

## Self-assembly COMBI connectors

|                                                   |           |                              |                                                                                   |                               |                                                                                    |                               |                                                                                     |                               |
|---------------------------------------------------|-----------|------------------------------|-----------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------------------------|-------------------------------|-------------------------------------------------------------------------------------|-------------------------------|
|                                                   |           |                              |  |                               |  |                               |  |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow | PP-H 1,5/S/1-L<br>PP-H 1,5/S/1-L BU<br>PP-H 1,5/S/1-L GNYE                        | 3212659<br>3212662<br>3212675 | PP-H 2,5/1-L<br>PP-H 2,5/1-L BU<br>PP-H 2,5/1-L GNYE                               | 3210062<br>3210075<br>3210088 | PP-H 4/1-L<br>PP-H 4/1-L BU<br>PP-H 4/1-L GNYE                                      | 3211948<br>3211951<br>3211958 |
|                                                   |           | Gray<br>Blue<br>Green-yellow | PP-H 1,5/S/1-M<br>PP-H 1,5/S/1-M BU<br>PP-H 1,5/S/1-M GNYE                        | 3212688<br>3212691<br>3212701 | PP-H 2,5/1-M<br>PP-H 2,5/1-M BU<br>PP-H 2,5/1-M GNYE                               | 3210091<br>3210101<br>3210114 | PP-H 4/1-M<br>PP-H 4/1-M BU<br>PP-H 4/1-M GNYE                                      | 3211965<br>3211964<br>3211971 |
|                                                   |           | Gray<br>Blue<br>Green-yellow | PP-H 1,5/S/1-R<br>PP-H 1,5/S/1-R BU<br>PP-H 1,5/S/1-R GNYE                        | 3212714<br>3212727<br>3212730 | PP-H 2,5/1-R<br>PP-H 2,5/1-R BU<br>PP-H 2,5/1-R GNYE                               | 3210127<br>3210130<br>3210143 | PP-H 4/1-R<br>PP-H 4/1-R BU<br>PP-H 4/1-R GNYE                                      | 3211977<br>3211980<br>3211987 |
| Width / Length / Height                           |           | [mm]                         | 3.5 / 16.5 / 31.3                                                                 |                               | 5.2 / 15.8 / 39                                                                    |                               | 6.2 / 21 / 42.3                                                                     |                               |
| Current / Voltage // UL                           |           | [A] / [V]                    | 17.5 / 500 // 15 / 600                                                            |                               | 24 / 500 // 20 / 600                                                               |                               | 32 / 800 // 28 / 600                                                                |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / -                    | 0.14 - 1.5 / 26 - 14 // 0.14 - 1.5 / 26 - 14                                      |                               | 0.14 - 4 / 26 - 12 // 0.14 - 2.5 / 26 - 14                                         |                               | 0.2 - 6 / 24 - 10 // 0.2 - 4 / 24 - 12                                              |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]                        | 0.14 - 1.5 / 0.14 - 1                                                             |                               | 0.14 - 2.5                                                                         |                               | 0.25 - 4                                                                            |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]                        | 0.34 - 1.5 / 0.25 - 1.5                                                           |                               | 0.34 - 2.5 / 0.34 - 4                                                              |                               | 0.5 - 4 / 0.5 - 6                                                                   |                               |
|                                                   |           |                              |  |                               |                                                                                    |                               |                                                                                     |                               |
| Type                                              | Order No. | Gray<br>Blue<br>Green-yellow | PP-H 6/1-L<br>PP-H 6/1-L BU<br>PP-H 6/1-L GNYE                                    | 3061664<br>3061677<br>3061680 |                                                                                    |                               |                                                                                     |                               |
|                                                   |           | Gray<br>Blue<br>Green-yellow | PP-H 6/1-M<br>PP-H 6/1-M BU<br>PP-H 6/1-M GNYE                                    | 3061693<br>3061703<br>3061716 |                                                                                    |                               |                                                                                     |                               |
|                                                   |           | Gray<br>Blue<br>Green-yellow | PP-H 6/1-R<br>PP-H 6/1-R BU<br>PP-H 6/1-R GNYE                                    | 3061729<br>3061732<br>3061745 |                                                                                    |                               |                                                                                     |                               |
| Width / Length / Height                           |           | [mm]                         | 8.2 / 21 / 49.3                                                                   |                               |                                                                                    |                               |                                                                                     |                               |
| Current / Voltage // UL                           |           | [A] / [V]                    | 41 / 1000 // 40 / 600                                                             |                               |                                                                                    |                               |                                                                                     |                               |
| Solid / AWG // Stranded / AWG                     |           | [mm²] / -                    | 0.5 - 10 / 20 - 8 // 0.5 - 6 / 20 - 10                                            |                               |                                                                                    |                               |                                                                                     |                               |
| Stranded with ferrule without/with plastic sleeve |           | [mm²]                        | 0.5 - 6                                                                           |                               |                                                                                    |                               |                                                                                     |                               |
| Can be plugged in directly: with ferrule / solid  |           | [mm²]                        | 1 - 6 / 1 - 10                                                                    |                               |                                                                                    |                               |                                                                                     |                               |

### Self-assembly COMBI connectors with push-in connection

- The push-in COMBI plugs for self-assembly provide solutions that users can implement themselves
- Robust cable housings for strain relief on connecting cables are available
- The plug is assembled directly on site by snapping together single-position plug elements. See an example of how these go together on the right.



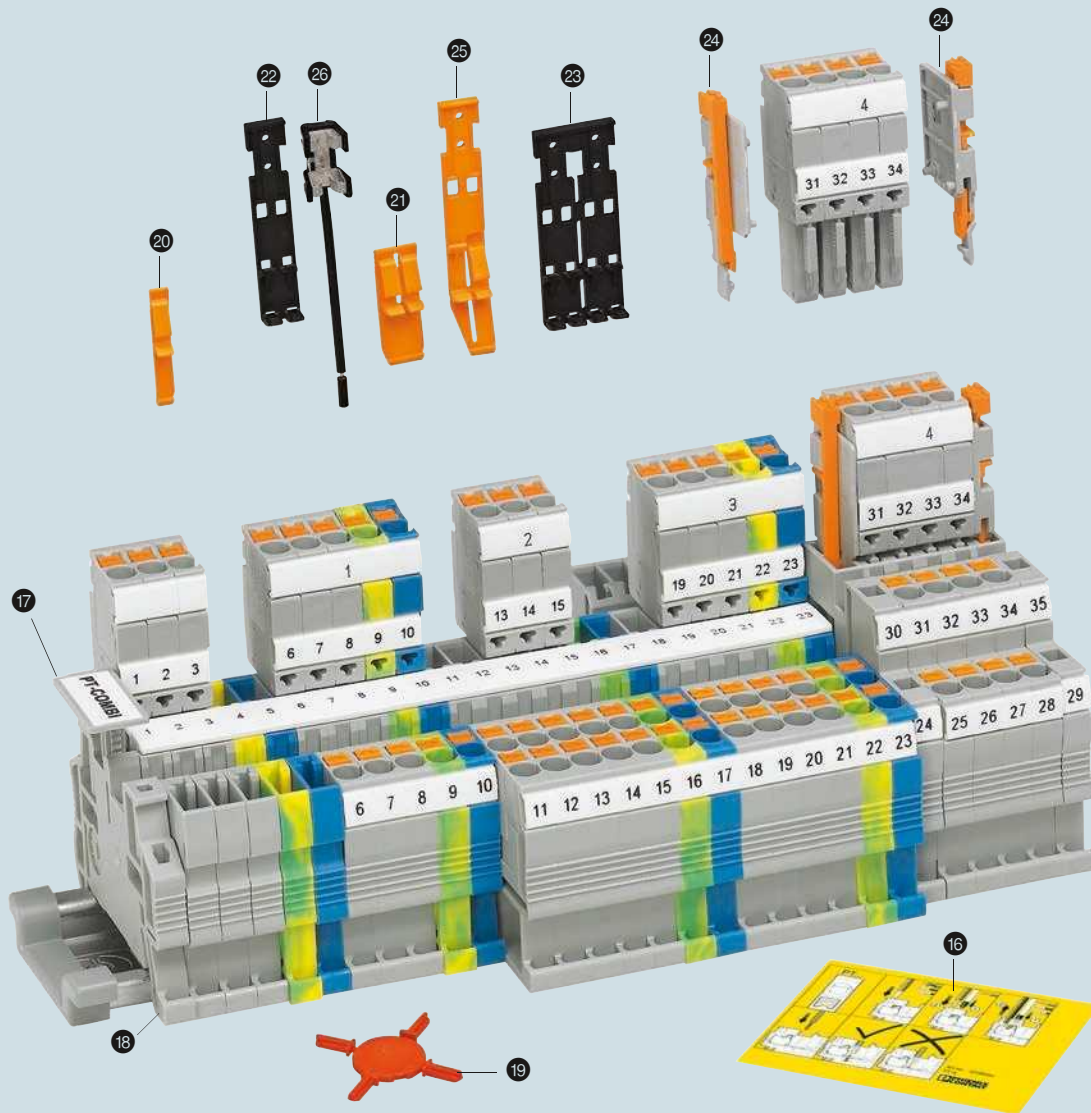
- ① PP-H 1,5/S/1-L
- ② PP-H 1,5/S/1-M and PP-H 1,5/S/1-M BU
- ③ PP-H 1,5/S/1-R GNYE

## Cable housing for COMBI connectors

|                                                                                                                              |           |             |   |           |  |         |  |         |
|------------------------------------------------------------------------------------------------------------------------------|-----------|-------------|------------------------------------------------------------------------------------|-----------|------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------|---------|
| Type                                                                                                                         | Order No. |             |                                                                                    |           |                                                                                    |         |                                                                                     |         |
| 2-pos.                                                                                                                       |           | PH 1,5/S/3  | 3212756                                                                            | PH 2,5/2  | 3209691                                                                            | PH 4/2  | 3000734                                                                             |         |
| 3-pos.                                                                                                                       |           | PH 1,5/S/4  | 3212769                                                                            | PH 2,5/3  | 3209701                                                                            | PH 4/3  | 3000736                                                                             |         |
| 4-pos.                                                                                                                       |           | PH 1,5/S/5  | 3212772                                                                            | PH 2,5/4  | 3209714                                                                            | PH 4/4  | 3000737                                                                             |         |
| 5-pos.                                                                                                                       |           | PH 1,5/S/6  | 3212785                                                                            | PH 2,5/5  | 3209727                                                                            | PH 4/5  | 3000738                                                                             |         |
| 6-pos.                                                                                                                       |           | PH 1,5/S/7  | 3212798                                                                            | PH 2,5/6  | 3209730                                                                            | PH 4/6  | 3000739                                                                             |         |
| 7-pos.                                                                                                                       |           | PH 1,5/S/8  | 3212808                                                                            | PH 2,5/7  | 3209743                                                                            | PH 4/7  | 3000740                                                                             |         |
| 8-pos.                                                                                                                       |           | PH 1,5/S/9  | 3212811                                                                            | PH 2,5/8  | 3209756                                                                            | PH 4/8  | 3000741                                                                             |         |
| 9-pos.                                                                                                                       |           | PH 1,5/S/10 | 3212824                                                                            | PH 2,5/9  | 3209507                                                                            | PH 4/9  | 3000742                                                                             |         |
| 10-pos.                                                                                                                      |           | PH 1,5/S/11 | 3212837                                                                            | PH 2,5/10 | 3209769                                                                            | PH 4/10 | 3000743                                                                             |         |
| 11-pos.                                                                                                                      |           | PH 1,5/S/12 | 3212840                                                                            | PH 2,5/11 | 3209772                                                                            |         |                                                                                     |         |
| 12-pos.                                                                                                                      |           | PH 1,5/S/13 | 3212853                                                                            | PH 2,5/12 | 3209785                                                                            |         |                                                                                     |         |
| 13-pos.                                                                                                                      |           | PH 1,5/S/14 | 3212888                                                                            | PH 2,5/13 | 3209798                                                                            |         |                                                                                     |         |
| 14-pos.                                                                                                                      |           | PH 1,5/S/15 | 3212879                                                                            | PH 2,5/14 | 3209808                                                                            |         |                                                                                     |         |
| 15-pos.                                                                                                                      |           | PH 1,5/S/15 | 3212879                                                                            | PH 2,5/15 | 3209811                                                                            |         |                                                                                     |         |
| <b>Bend protection sleeve</b> , for 3 - 9 mm cable diameter, suitable for PH 1,5/S/5 - PH 1,5/S/8 and PH 2,5/3 - PH 2,5/5    |           |             | CPH 3-9                                                                            | 3212015   | CPH 3-9                                                                            | 3212015 | CPH 3-9                                                                             | 3212015 |
| <b>Bend protection sleeve</b> , for 4 - 12 mm cable diameter, suitable for PH 1,5/S/9 - PH 1,5/S/15 and PH 2,5/6 - PH 2,5/15 |           |             | CPH 4-12                                                                           | 3212028   | CPH 4-12                                                                           | 3212028 | CPH 4-12                                                                            | 3212028 |
| <b>Cable clamp</b> , with screws, suitable for PH 1,5/S/9 - PH 1,5/S/15 and PH 2,5/6 - PH 2,5/15                             |           |             | HSR                                                                                | 3212031   | HSR                                                                                | 3212031 | HSR                                                                                 | 3212031 |
| <b>Shield connection</b> , suitable for PH 1,5/S/9 - PH 1,5/S/15 and PH 2,5/6 - PH 2,5/15                                    |           |             | HSH-METALL                                                                         | 3210910   | HSH-METALL                                                                         | 3210910 | HSH-METALL                                                                          | 3210910 |
|                                                                                                                              |           |             |  |           |                                                                                    |         |                                                                                     |         |
| Type                                                                                                                         | Order No. |             |                                                                                    |           |                                                                                    |         |                                                                                     |         |
| 2-pos.                                                                                                                       |           | PH 6/2      | 3000680                                                                            |           |                                                                                    |         |                                                                                     |         |
| 3-pos.                                                                                                                       |           | PH 6/3      | 3000681                                                                            |           |                                                                                    |         |                                                                                     |         |
| 4-pos.                                                                                                                       |           | PH 6/4      | 3000682                                                                            |           |                                                                                    |         |                                                                                     |         |
| 5-pos.                                                                                                                       |           | PH 6/5      | 3000683                                                                            |           |                                                                                    |         |                                                                                     |         |
| 6-pos.                                                                                                                       |           | PH 6/6      | 3000684                                                                            |           |                                                                                    |         |                                                                                     |         |
| 7-pos.                                                                                                                       |           | PH 6/7      | 3000685                                                                            |           |                                                                                    |         |                                                                                     |         |
| <b>Bend protection sleeve</b> , for 9 - 15 mm cable diameter, suitable for PH 6/2 - PH 6/7                                   |           |             | CPH 9-15                                                                           | 3000768   |                                                                                    |         |                                                                                     |         |
| <b>Cable clamp</b> , with screws, suitable for PH 6/2- PH 6/7                                                                |           |             | HSR 6/8                                                                            | 3000769   |                                                                                    |         |                                                                                     |         |
| <b>Shield connection</b> , suitable for PH 6/2 - PH 6/7                                                                      |           |             | HSH-METALL-6/8                                                                     | 3000770   |                                                                                    |         |                                                                                     |         |

## PT-COMBI self-locking flange and self-locking flange cover

|                            |           |  |  |         |  |                      |  |         |
|----------------------------|-----------|--|-------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------|----------------------|---------------------------------------------------------------------------------------|---------|
| Type                       | Order No. |  |                                                                                     |         |                                                                                      |                      |                                                                                       |         |
| <b>Self-locking flange</b> |           |  | ST 2,5/1P-FS                                                                        | 3061376 | For:                                                                                 | PT 2,5/1P...         | <b>Self-locking flange cover</b>                                                      |         |
|                            |           |  | ST 2,5-TWIN/1P-FS                                                                   | 3061389 |                                                                                      | PT 2,5-TWIN/1P...    | DFS-SP-H 2,5                                                                          | 3061431 |
|                            |           |  | ST 2,5-QUATTRO/2P-FS                                                                | 3061392 |                                                                                      | PT 2,5-QUATTRO/2P... | DFS-CP 2,5-4L                                                                         | 3012321 |
|                            |           |  | ST 2,5-QUATTRO/4P-FS                                                                | 3061402 |                                                                                      | PT 2,5-QUATTRO/4P... |                                                                                       |         |
|                            |           |  | ST 2,5/2P-FS                                                                        | 3061415 |                                                                                      | PT 2,5/2P...         |                                                                                       |         |
|                            |           |  | STTB 2,5/2P-FS                                                                      | 3061428 |                                                                                      | PTTB 2,5/2P...       |                                                                                       |         |



### Accessories PT-COMBI terminal blocks

17 Terminal strip marker carriers  
18 Quick mounting end brackets  
19 Coding star  
26 Shielding

KLM 3-L 0814788  
CLIPFIX 35-5 3022276  
PC 3040588  
PSH 3-6 3040591  
PSH 5-10 3040601

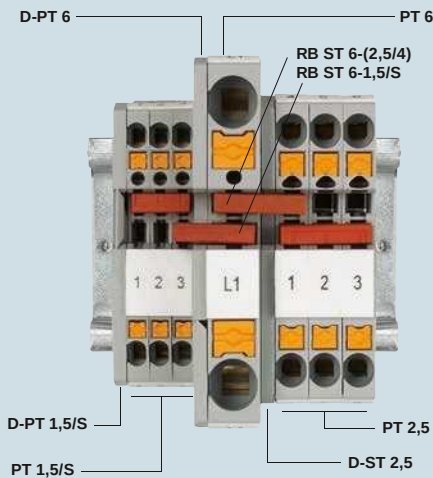
### Accessories PT-COMBI connectors

| Connectors  | 20 Locking mechanism |                             | 22 Strain relief   |              | 24 Self-locking flange cover | 25 Latching and strain relief 2-pos. |
|-------------|----------------------|-----------------------------|--------------------|--------------|------------------------------|--------------------------------------|
|             | 1-pos.               | 2-pos.                      | 2-pos.             | 4-pos.       |                              |                                      |
| PP-H 1,5... | PR 1,5/S 3212882     | PR 1,5/S/2 3212895          | PZ 1,5/S/2 3212918 | —            | —                            | PRZ 1,5/S 3212905                    |
| PP-H 2,5... | PR 3040559           | PR/2 3040630                | PZ/2 3040627       | PZ/4 3040643 | DFS-SP-H 2,5 3061431         | PRZ 3040614                          |
|             | —                    | PTR/2 <sup>1)</sup> 3040631 | —                  | —            | —                            | —                                    |
| PP-H 4...   | PR 3040559           | PR/2 3040630                | PZ/2 3040627       | —            | —                            | PRZ 3040614                          |
|             | —                    | PTR/2 <sup>1)</sup> 3040631 | —                  | —            | —                            | —                                    |
| PP-H 6...   | PR 3040559           | PR/2 3040630                | PZ/2 3040627       | —            | —                            | PRZ 3040614                          |
|             | —                    | PTR/2 <sup>1)</sup> 3040631 | —                  | —            | —                            | —                                    |

<sup>1)</sup> Release with just a screwdriver

## PT accessories

Example of a 6 mm<sup>2</sup> central supply with  
RB ST 6-(2,5/4) reducing bridge on PT 2,5 and  
RB ST 6-1,5/S on PT 1,5/S



### Reduction bridging with standard feed-through terminal blocks

| Supply         |                     | Pick-off       |                     | Single-sided supply  | Central power feed   |                             |
|----------------|---------------------|----------------|---------------------|----------------------|----------------------|-----------------------------|
| Terminal block | Cross section [mm²] | Terminal block | Cross section [mm²] | I <sub>max</sub> [A] | I <sub>max</sub> [A] | Bridge                      |
| 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             |
| 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                   | FBS 2-6 3030336             |
|                |                     | QTC 2,5        | 2.5                 | 40                   | 40                   |                             |
|                |                     |                |                     |                      |                      |                             |
| PT 6           | 6                   | PT 1,5/S       | 1.5                 | 26                   | 52                   | 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                   |                             |
| PT 10          | 10                  | 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                   |                             |
|                |                     |                |                     |                      |                      |                             |
| PT 16          | 16                  | 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                   |                             |
| PTPOWER 35     | 35                  | ST 16          | 16                  | 90                   | 90                   | RB 35-16 3032169            |

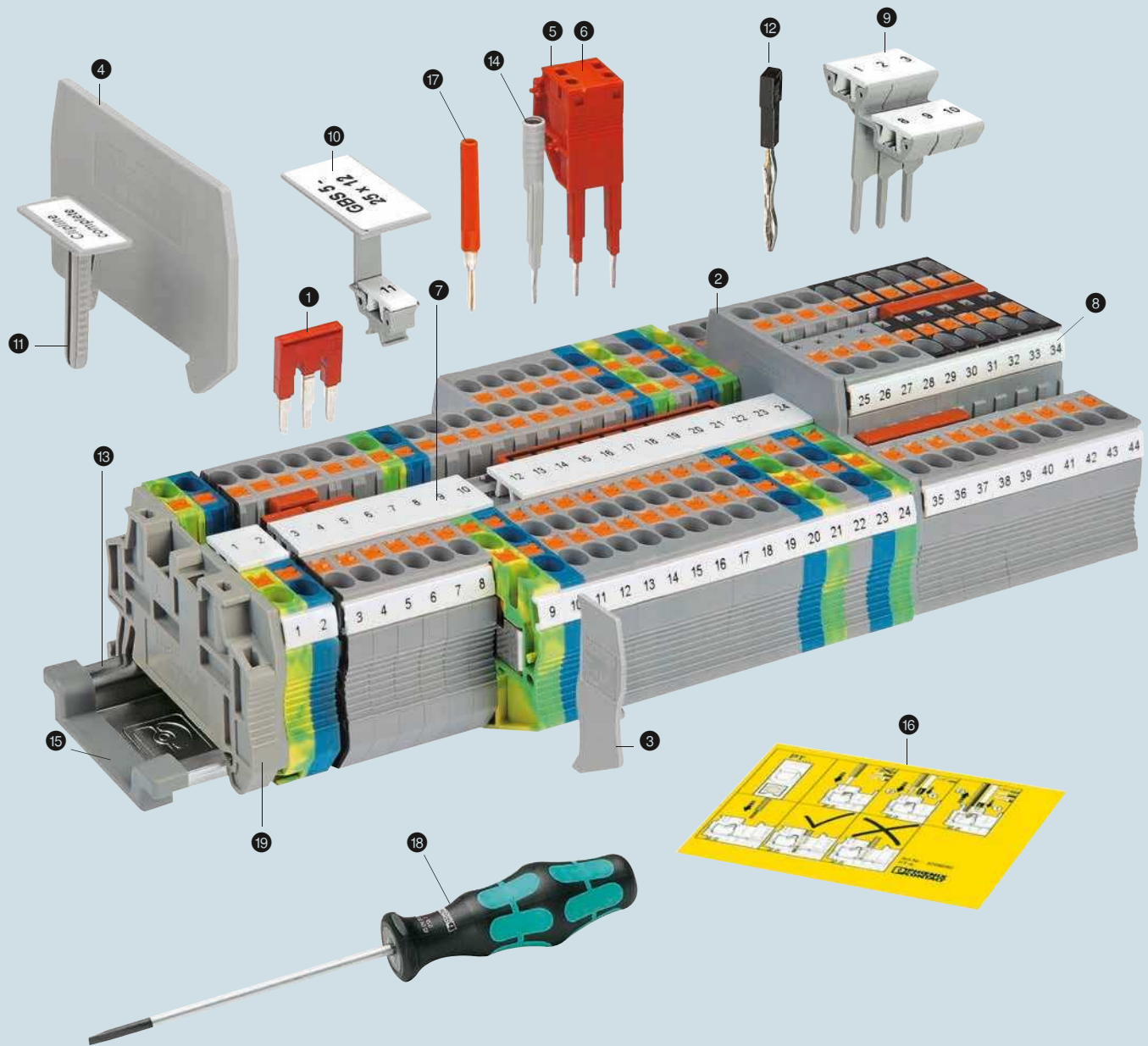
17

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10

11

| Terminal block                 | Test plugs consist of:         |                           | Mounting material             |                          |                                    |
|--------------------------------|--------------------------------|---------------------------|-------------------------------|--------------------------|------------------------------------|
|                                | Metal part,<br>2.3 mm diameter | Insulating sleeve,<br>red | Quick mounting<br>end bracket | Group<br>labelling field | Terminal strips,<br>marker carrier |
| PT... 1.5<br>PTTB... 1.5...    | MPS-MT<br>0201744              | MPS-IH RD<br>0201676      | CLIPFIX 35-5<br>3022276       | —                        | KLM 3-L<br>0814788                 |
| PT... 2.5...<br>PTTB... 2.5... |                                |                           |                               |                          |                                    |
| PT 2,5-4L/1...                 |                                |                           |                               |                          |                                    |
| PT... 4...<br>PTTB... 4...     |                                |                           |                               |                          |                                    |
| PT... 6...                     |                                |                           |                               |                          |                                    |
| PT... 10...                    |                                |                           |                               |                          |                                    |
| PT... 16...                    |                                |                           |                               |                          |                                    |
|                                |                                |                           |                               |                          |                                    |



13

13

15

16

18

# Mounting material

DIN rail  
35 x 7.5 mm

DIN rail  
35 x 15 mm

DIN rail  
connection piece

Adhesive label with  
assembly instructions

Screwdriver

NS 35/7,5 UNPERF 2000MM  
0801681  
NS 35/7,5 PERF 2000MM  
0801733

NS 35/15 UNPERF 2000MM  
1201714  
NS 35/15 PERF 2000MM  
1201730

NS 35/7,5 CAP  
1206560  
NS 35/15 CAP  
1206573

PT-IL  
3208090

SZF 0-0,4X2,5  
1204504  
SZF 1-0,6X3,5  
1204517  
SZF 1-0,6X3,5  
1204517  
SZF 1-0,6X3,5  
1204517  
SZF 2-0,8X4,0  
1204520  
SZF 3-1,0X5,5  
1206612  
SZF 3-1,0X5,5  
1206612

## 1

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# PT accessories

| 12                      | 2                                    | 3                    | 4                         | 14                    | 5                 | 6                          | 7                            | 8                                    | 9                     |
|-------------------------|--------------------------------------|----------------------|---------------------------|-----------------------|-------------------|----------------------------|------------------------------|--------------------------------------|-----------------------|
| Vertical bridge         | Cover                                | End cover segment    | Partition plate           | Test adapter 4 mm     | Modular test plug | Spacer plate for test plug | Center groove                | Marking<br>Center and lateral groove | Marker carrier        |
| –                       | D-PT 1,5/S<br>3208142                | –                    | ATP-ST 4<br>3030721       | –                     | –                 | –                          | UCT-TM 3,5 or<br>ZB 3,5      | UCT-TMF 3,5 or<br>ZBF 3,5            | –                     |
| –                       | D-PT 1,5/S-TWIN<br>3208184           | –                    | ATP-ST-TWIN<br>3030789    | –                     | –                 | –                          | UCT-TM 3,5 or<br>ZB 3,5      | UCT-TMF 3,5 or<br>ZBF 3,5            | –                     |
| –                       | D-PT 1,5/S-QUATTRO<br>3208375        | –                    | ATP-ST QUATTRO<br>3030815 | –                     | –                 | –                          | UCT-TM 3,5 or<br>ZB 3,5      | UCT-TMF 3,5 or<br>ZBF 3,5            | –                     |
| –                       | D-PT 1,5/S-QUATTRO/2P<br>3212426     | –                    | ATP-ST QUATTRO<br>3030815 | –                     | –                 | –                          | UCT-TM 3,5 or<br>ZB 3,5      | UCT-TMF 3,5 or<br>ZBF 3,5            | –                     |
| FBS 1,5/S-PV<br>3216263 | D-PTTB 1,5/S<br>3208579              | –                    | ATP-STTB 4<br>3030747     | –                     | –                 | –                          | –                            | UCT-TMF 3,5 or<br>ZBF 3,5            | STP 3,5-2<br>0830131  |
| FBS 1,5/S-PV<br>3216263 | D-PTTB 1,5/S/2P<br>3212471           | –                    | ATP-STTB 4<br>3030747     | –                     | –                 | –                          | –                            | UCT-TMF 3,5 or<br>ZBF 3,5            | STP 3,5-2<br>0830131  |
| FBS 1,5/S-PV<br>3216263 | D-PTTB 1,5/S/4P<br>3213894           | –                    | ATP-STTB 4<br>3030747     | –                     | –                 | –                          | UCT-TM 3,5 or<br>ZB 3,5      | UCT-TMF 3,5 or<br>ZBF 3,5            | –                     |
| FBS 1,5/S-PV<br>3216263 | D-PT 1,5/S-3L<br>3113771             | –                    | –                         | –                     | –                 | –                          | –                            | UCT-TMF 3,5 or<br>ZBF 3,5            | STP 3,5-2<br>0830131  |
| –                       | D-PTS 1,5/S<br>3214576               | –                    | ATP-ST 4<br>3030721       | –                     | –                 | –                          | UCT-TM 3,5 or<br>ZB 3,5      | UCT-TMF 3,5 or<br>ZBF 3,5            | –                     |
| –                       | D-PTS 1,5/S<br>3214576               | –                    | ATP-ST 4<br>3030721       | –                     | –                 | –                          | UCT-TM 3,5 or<br>ZB 3,5      | UCT-TMF 3,5 or<br>ZBF 3,5            | –                     |
| FBS 1,5/S-PV<br>3216263 | D-PTTBS 1,5/S<br>3214699             | –                    | ATP-STTB 4<br>3030747     | –                     | –                 | –                          | UCT-TM 3,5 or<br>ZB 3,5      | UCT-TMF 3,5 or<br>ZBF 3,5            | –                     |
| FBS 1,5/S-PV<br>3216263 | D-PTTBS 1,5/S/2P<br>3214534          | –                    | ATP-STTB 4<br>3030747     | –                     | –                 | –                          | UCT-TM 3,5 or<br>ZB 3,5      | UCT-TMF 3,5 or<br>ZBF 3,5            | –                     |
| –                       | D-PTIO 1,5/S/3<br>3244575            | –                    | ATP-ST QUATTRO<br>3030815 | –                     | –                 | –                          | –                            | UCT-TMF 3,5 or<br>ZBF 3,5            | –                     |
| –                       | D-PTIO 1,5/S/4<br>3244588            | –                    | –                         | –                     | –                 | –                          | –                            | UCT-TMF 3,5 or<br>ZBF 3,5            | –                     |
| –                       | D-PT 1,5/S-MT-0,8<br>3210303         | –                    | ATP-ST QUATTRO<br>3030815 | –                     | –                 | –                          | UCT-TM 3,5 or<br>ZB 3,5      | UCT-TMF 3,5 or<br>ZBF 3,5            | –                     |
| –                       | D-PT 1,5/S-TWIN-MT-0,8<br>3210313    | –                    | ATP-ST QUATTRO<br>3030815 | –                     | –                 | –                          | UCT-TM 3,5 or<br>ZB 3,5      | UCT-TMF 3,5 or<br>ZBF 3,5            | –                     |
| –                       | D-PT 1,5/S-QUATTRO-MT-0,8<br>3210333 | –                    | ATP-ST QUATTRO<br>3030815 | –                     | –                 | –                          | UCT-TM 3,5 or<br>ZB 3,5      | UCT-TMF 3,5 or<br>ZBF 3,5            | –                     |
| –                       | D-PTT 1,5/S-2MT-0,8<br>3210353       | –                    | ATP-STTB 4<br>3030747     | –                     | –                 | –                          | –                            | UCT-TMF 3,5 or<br>ZBF 3,5            | –                     |
| –                       | D-MPT 1,5/S<br>3248120               | –                    | –                         | –                     | –                 | –                          | –                            | UCT-TMF 3,5 or<br>ZBF 3,5            | –                     |
| FBS 1,5/S-PV<br>3216263 | D-PTTBS 1,5/S/2P<br>3214534          | –                    | ATP-STTB 4<br>3030747     | –                     | –                 | –                          | UCT-TM 3,5 or<br>ZB 3,5      | –                                    | –                     |
| FBS 1,5/S-PV<br>3216263 | D-PTTB 1,5/S/4P<br>3213894           | –                    | ATP-STTB 4<br>3030747     | –                     | –                 | –                          | UCT-TM 3,5 or<br>ZB 3,5      | UCT-TMF 3,5 or<br>ZBF 3,5            | –                     |
| –                       | D-ST 2,5<br>3030417                  | –                    | ATP-ST 4<br>3030721       | PAI-4-N GY<br>3032871 | PS-5<br>3030983   | DP PS-5<br>3036725         | UC-TM 5, UCT-TM 5<br>or ZB 5 | UC-TMF 5, UCT-TMF 5<br>or ZBF 5      | STP 5-2-ZB<br>3037643 |
| –                       | D-ST 2,5-TWIN<br>3030488             | DS-ST 2,5<br>3036602 | ATP-ST-TWIN<br>3030789    | PAI-4-N GY<br>3032871 | PS-5<br>3030983   | DP PS-5<br>3036725         | UC-TM 5, UCT-TM 5<br>or ZB 5 | UC-TMF 5, UCT-TMF 5<br>or ZBF 5      | STP 5-2-ZB<br>3037643 |
| –                       | D-ST 2,5-QUATTRO<br>3030514          | DS-ST 2,5<br>3036602 | ATP-ST QUATTRO<br>3030815 | PAI-4-N GY<br>3032871 | PS-5<br>3030983   | DP PS-5<br>3036725         | UC-TM 5, UCT-TM 5<br>or ZB 5 | UC-TMF 5, UCT-TMF 5<br>or ZBF 5      | STP 5-2-ZB<br>3037643 |
| –                       | D-ST 2,5-QUATTRO/2P<br>3040083       | –                    | ATP-ST QUATTRO<br>3030815 | PAI-4-N GY<br>3032871 | PS-5<br>3030983   | DP PS-5<br>3036725         | UC-TM 5, UCT-TM 5<br>or ZB 5 | UC-TMF 5, UCT-TMF 5<br>or ZBF 5      | –                     |
| –                       | D-PT 2,5-HEXA/3P<br>3040058          | –                    | –                         | PAI-4-N GY<br>3032871 | PS-5<br>3030983   | DP PS-5<br>3036725         | UC-TM 5, UCT-TM 5<br>or ZB 5 | UC-TMF 5, UCT-TMF 5<br>or ZBF 5      | –                     |
| –                       | D-ST 2,5-QUATTRO/4P<br>3042175       | –                    | ATP-ST QUATTRO<br>3030815 | PAI-4-N GY<br>3032871 | PS-5<br>3030983   | DP PS-5<br>3036725         | UC-TM 5, UCT-TM 5<br>or ZB 5 | –                                    | –                     |
| FBS-PV<br>3032185       | D-PTTB 2,5<br>3211634                | –                    | ATP-STTB 4<br>3030747     | PAI-4-N GY<br>3032871 | PS-5<br>3030983   | DP PS-5<br>3036725         | –                            | UC-TMF 5, UCT-TMF 5<br>or ZBF 5      | STP 5-2<br>0800967    |
| FBS-PV<br>3032185       | D-STTB 2,5/2P<br>3040096             | –                    | ATP-STTB 4<br>3030747     | PAI-4-N GY<br>3032871 | PS-5<br>3030983   | DP PS-5<br>3036725         | –                            | UC-TMF 5, UCT-TMF 5<br>or ZBF 5      | –                     |
| FBS-PV<br>3032185       | D-STTB 2,5/4P<br>3061538             | –                    | ATP-STTB 4<br>3030747     | PAI-4-N GY<br>3032871 | PS-5<br>3030983   | DP PS-5<br>3036725         | UC-TM 5, UCT-TM 5<br>or ZB 5 | UC-TMF 5, UCT-TMF 5<br>or ZBF 5      | –                     |
| FBS-PV<br>3032185       | D-PT 2,5-3L<br>3211647               | –                    | –                         | PAI-4-N GY<br>3032871 | PS-5<br>3030983   | DP PS-5<br>3036725         | –                            | UC-TMF 5, UCT-TMF 5<br>or ZBF 5      | STP 5-3<br>0810562    |
| FBS-PV<br>3032185       | –                                    | –                    | –                         | PAI-4-N GY<br>3032871 | PS-5<br>3030983   | DP PS-5<br>3036725         | UC-TM 5, UCT-TM 5<br>or ZB 5 | –                                    | –                     |
| FBS-PV<br>3032185       | –                                    | –                    | –                         | PAI-4-N GY<br>3032871 | PS-5<br>3030983   | DP PS-5<br>3036725         | UC-TM 5, UCT-TM 5<br>or ZB 5 | –                                    | –                     |
| –                       | D-PTC 2,5-MT<br>3270097              | –                    | ATP-ST QUATTRO<br>3030815 | –                     | –                 | –                          | UC-TM 5, UCT-TM 5<br>or ZB 5 | UC-TMF 5, UCT-TMF 5<br>or ZBF 5      | –                     |
| –                       | D-PTC 2,5-TWIN-MT<br>3270100         | –                    | ATP-ST QUATTRO<br>3030815 | –                     | –                 | –                          | UC-TM 5, UCT-TM 5<br>or ZB 5 | UC-TMF 5, UCT-TMF 5<br>or ZBF 5      | –                     |
| –                       | D-PTC 2,5-QUATTRO-MT<br>3270103      | –                    | ATP-ST QUATTRO<br>3030815 | –                     | –                 | –                          | UC-TM 5, UCT-TM 5<br>or ZB 5 | UC-TMF 5, UCT-TMF 5<br>or ZBF 5      | –                     |
| –                       | D-PT 2,5-MT<br>3211003               | –                    | ATP-ST QUATTRO<br>3030815 | PAI-4-N GY<br>3032871 | PS-5<br>3030983   | DP PS-5<br>3036725         | UC-TM 5, UCT-TM 5<br>or ZB 5 | UC-TMF 5, UCT-TMF 5<br>or ZBF 5      | –                     |
| –                       | D-PT 2,5-TWIN-MT<br>3211317          | –                    | ATP-ST QUATTRO<br>3030815 | PAI-4-N GY<br>3032871 | PS-5<br>3030983   | DP PS-5<br>3036725         | UC-TM 5, UCT-TM 5<br>or ZB 5 | UC-TMF 5, UCT-TMF 5<br>or ZBF 5      | –                     |
| –                       | D-ST 2,5-QUATTRO-MT<br>3038590       | –                    | –                         | PAI-4-N GY<br>3032871 | PS-5<br>3030983   | DP PS-5<br>3036725         | UC-TM 5, UCT-TM 5<br>or ZB 5 | UC-TMF 5, UCT-TMF 5<br>or ZBF 5      | –                     |
| –                       | D-PT 2,5-MTB<br>3210196              | –                    | –                         | PAI-4-N GY<br>3032871 | PS-5<br>3030983   | DP PS-5<br>3036725         | UC-TM 5, UCT-TM 5<br>or ZB 5 | UC-TMF 5, UCT-TMF 5<br>or ZBF 5      | –                     |
| –                       | D-PT 2,5-TWIN-MTB<br>3210202         | –                    | –                         | PAI-4-N GY<br>3032871 | PS-5<br>3030983   | DP PS-5<br>3036725         | UC-TM 5, UCT-TM 5<br>or ZB 5 | UC-TMF 5, UCT-TMF 5<br>or ZBF 5      | –                     |

# PT accessories

1

| Terminal                                         | Jumpers               |                     |                       |                     |                           |                     |                                 |                     |                     |                      |                     |  |
|--------------------------------------------------|-----------------------|---------------------|-----------------------|---------------------|---------------------------|---------------------|---------------------------------|---------------------|---------------------|----------------------|---------------------|--|
|                                                  | 2-pos.                |                     | 3-pos.                |                     | 4-pos.                    |                     | 5-pos.                          |                     | 10-pos.             |                      | 20-pos.             |  |
|                                                  | FBS...                | FBSR...             | FBS...                | FBSR...             | FBS...                    | FBSR...             | FBS...                          | FBSR...             | FBS...              | FBSR...              | FBS...              |  |
| PT 2,5-QUATTRO-MTB/...-TGB                       | FBS 2-5<br>3030161    | FBSR 2-5<br>3033702 | FBS 3-5<br>3030174    | FBSR 3-5<br>3001591 | FBS 4-5<br>3030187        | FBSR 4-5<br>3001592 | FBS 5-5<br>3030190              | FBSR 5-5<br>3001593 | FBS 10-5<br>3030213 | FBSR 10-5<br>3033710 | FBS 20-5<br>3030226 |  |
| PTS 2,5-.../ PTS 2,5-TWIN-.../                   | FBS 2-5<br>3030161    | FBSR 2-5<br>3030702 | FBS 3-5<br>3030174    | FBSR 3-5<br>3001591 | FBS 4-5<br>3030187        | FBSR 4-5<br>3001592 | FBS 5-5<br>3030190              | FBSR 5-5<br>3001593 | FBS 10-5<br>3030213 | FBSR 10-5<br>3033710 | FBS 20-5<br>3030226 |  |
| PTS 2,5-QUATTRO-...                              | —                     | —                   | —                     | —                   | —                         | —                   | —                               | —                   | —                   | —                    | —                   |  |
| PTTBS 2,5-...                                    | FBS 2-5<br>3030161    | FBSR 2-5<br>3030702 | FBS 3-5<br>3030174    | FBSR 3-5<br>3001591 | FBS 4-5<br>3030187        | FBSR 4-5<br>3001592 | FBS 5-5<br>3030190              | FBSR 5-5<br>3001593 | FBS 10-5<br>3030213 | FBSR 10-5<br>3033710 | FBS 20-5<br>3030226 |  |
| PTI 2,5-L-... / PTI 2,5-PE-...                   | FBS 2-5<br>3030161    | FBSR 2-5<br>3030702 | FBS 3-5<br>3030174    | FBSR 3-5<br>3001591 | FBS 4-5<br>3030187        | FBSR 4-5<br>3001592 | FBS 5-5<br>3030190              | FBSR 5-5<br>3001593 | FBS 10-5<br>3030213 | FBSR 10-5<br>3033710 | FBS 20-5<br>3030226 |  |
| PTB 2,5-PE-...                                   | FBS 2-5<br>3030161    | FBSR 2-5<br>3030702 | FBS 3-5<br>3030174    | FBSR 3-5<br>3001591 | FBS 4-5<br>3030187        | FBSR 4-5<br>3001592 | FBS 5-5<br>3030190              | FBSR 5-5<br>3001593 | FBS 10-5<br>3030213 | FBSR 10-5<br>3033710 | FBS 20-5<br>3030226 |  |
| PT 2,5-PE/3L                                     | FBS 2-5<br>3030161    | FBSR 2-5<br>3030702 | FBS 3-5<br>3030174    | FBSR 3-5<br>3001591 | FBS 4-5<br>3030187        | FBSR 4-5<br>3001592 | FBS 5-5<br>3030190              | FBSR 5-5<br>3001593 | FBS 10-5<br>3030213 | FBSR 10-5<br>3033710 | FBS 20-5<br>3030226 |  |
| PTT 2,5-...                                      | —                     | —                   | —                     | —                   | —                         | —                   | —                               | —                   | —                   | —                    | —                   |  |
| PTTBS 2,5-2MTB /<br>PTTBS 2,5-2TGB               | FBS 2-5<br>3030161    | FBSR 2-5<br>3030702 | FBS 3-5<br>3030174    | FBSR 3-5<br>3001591 | FBS 4-5<br>3030187        | FBSR 4-5<br>3001592 | FBS 5-5<br>3030190              | FBSR 5-5<br>3001593 | FBS 10-5<br>3030213 | FBSR 10-5<br>3033710 | FBS 20-5<br>3030226 |  |
| PTI 2,5-...LTB /<br>PTI 2,5-...TG                | FBS 2-5<br>3030161    | FBSR 2-5<br>3030702 | FBS 3-5<br>3030174    | FBSR 3-5<br>3001591 | FBS 4-5<br>3030187        | FBSR 4-5<br>3001592 | FBS 5-5<br>3030190              | FBSR 5-5<br>3001593 | FBS 10-5<br>3030213 | FBSR 10-5<br>3033710 | FBS 20-5<br>3030226 |  |
| PTU 2,5-...                                      | FBS 2-5<br>3030161    | FBSR 2-5<br>3030702 | FBS 3-5<br>3030174    | FBSR 3-5<br>3001591 | FBS 4-5<br>3030187        | FBSR 4-5<br>3001592 | FBS 5-5<br>3030190              | FBSR 5-5<br>3001593 | FBS 10-5<br>3030213 | FBSR 10-5<br>3033710 | FBS 20-5<br>3030226 |  |
| PTU 2,5-TWIN-...                                 | FBS 2-5<br>3030161    | FBSR 2-5<br>3030702 | FBS 3-5<br>3030174    | FBSR 3-5<br>3001591 | FBS 4-5<br>3030187        | FBSR 4-5<br>3001592 | FBS 5-5<br>3030190              | FBSR 5-5<br>3001593 | FBS 10-5<br>3030213 | FBSR 10-5<br>3033710 | FBS 20-5<br>3030226 |  |
| MPT 2,5-...                                      | FBS 2-5<br>3030161    | FBSR 2-5<br>3030702 | FBS 3-5<br>3030174    | FBSR 3-5<br>3001591 | FBS 4-5<br>3030187        | FBSR 4-5<br>3001592 | FBS 5-5<br>3030190              | FBSR 5-5<br>3001593 | FBS 10-5<br>3030213 | FBSR 10-5<br>3033710 | FBS 20-5<br>3030226 |  |
| PT 2,5-4L/1P                                     | FBS 2-5<br>3030161    | FBSR 2-5<br>3030702 | FBS 3-5<br>3030174    | FBSR 3-5<br>3001591 | FBS 4-5<br>3030187        | FBSR 4-5<br>3001592 | FBS 5-5<br>3030190              | FBSR 5-5<br>3001593 | FBS 10-5<br>3030213 | FBSR 10-5<br>3033710 | FBS 20-5<br>3030226 |  |
| PT 2,5-4L/2P /<br>PT 2,5-PE/3L/2P                | FBS 2-5<br>3030161    | FBSR 2-5<br>3030702 | FBS 3-5<br>3030174    | FBSR 3-5<br>3001591 | FBS 4-5<br>3030187        | FBSR 4-5<br>3001592 | FBS 5-5<br>3030190              | FBSR 5-5<br>3001593 | FBS 10-5<br>3030213 | FBSR 10-5<br>3033710 | FBS 20-5<br>3030226 |  |
| PT 4-.../ PT 4-DIO-... /<br>PT 4/1P-.../ ST 4/2P | FBS 2-6<br>3030336    | FBSR 2-6<br>3033715 | FBS 3-6<br>3030242    | FBSR 3-6<br>3001594 | FBS 4-6<br>3030255        | FBSR 4-6<br>3001595 | FBS 5-6<br>3030349              | FBSR 5-6<br>3001596 | FBS 10-6<br>3030271 | FBSR 10-6<br>3033716 | FBS 20-6<br>3030365 |  |
| PT 4-TWIN-...                                    | FBS 2-6<br>3030336    | FBSR 2-6<br>3033715 | FBS 3-6<br>3030242    | FBSR 3-6<br>3001594 | FBS 4-6<br>3030255        | FBSR 4-6<br>3001595 | FBS 5-6<br>3030349              | FBSR 5-6<br>3001596 | FBS 10-6<br>3030271 | FBSR 10-6<br>3033716 | FBS 20-6<br>3030365 |  |
| PT 4-QUATTRO-... /<br>PT 4-QUATTRO-DIO-...       | FBS 2-6<br>3030336    | FBSR 2-6<br>3033715 | FBS 3-6<br>3030242    | FBSR 3-6<br>3001594 | FBS 4-6<br>3030255        | FBSR 4-6<br>3001595 | FBS 5-6<br>3030349              | FBSR 5-6<br>3001596 | FBS 10-6<br>3030271 | FBSR 10-6<br>3033716 | FBS 20-6<br>3030365 |  |
| PTC 4-HESI-...                                   | —                     | —                   | —                     | —                   | —                         | —                   | —                               | —                   | —                   | —                    | —                   |  |
| PT 4-HESI-...                                    | FBS 2-6<br>3030336    | FBSR 2-6<br>3033715 | FBS 3-6<br>3030242    | FBSR 3-6<br>3001594 | FBS 4-6<br>3030255        | FBSR 4-6<br>3001595 | FBS 5-6<br>3030349              | FBSR 5-6<br>3001596 | FBS 10-6<br>3030271 | FBSR 10-6<br>3033716 | FBS 20-6<br>3030365 |  |
| PTU 4-TWIN-...                                   | FBS 2-6<br>3030336    | FBSR 2-6<br>3033715 | FBS 3-6<br>3030242    | FBSR 3-6<br>3001594 | FBS 4-6<br>3030255        | FBSR 4-6<br>3001595 | FBS 5-6<br>3030349              | FBSR 5-6<br>3001596 | FBS 10-6<br>3030271 | FBSR 10-6<br>3033716 | FBS 20-6<br>3030365 |  |
| PTU 4-MT-... /<br>PTU 4-TG-...                   | FBS 2-6<br>3030336    | FBSR 2-6<br>3033715 | FBS 3-6<br>3030242    | FBSR 3-6<br>3001594 | FBS 4-6<br>3030255        | FBSR 4-6<br>3001595 | FBS 5-6<br>3030349              | FBSR 5-6<br>3001596 | FBS 10-6<br>3030271 | FBSR 10-6<br>3033716 | FBS 20-6<br>3030365 |  |
| PT 4-MT/...-TG /<br>PT 4-FSI/F-...               | —                     | —                   | —                     | —                   | —                         | —                   | —                               | —                   | —                   | —                    | —                   |  |
| PTI 4-...                                        | FBS 2-6<br>3030336    | FBSR 2-6<br>3033715 | FBS 3-6<br>3030242    | FBSR 3-6<br>3001594 | FBS 4-6<br>3030255        | FBSR 4-6<br>3001595 | FBS 5-6<br>3030349              | FBSR 5-6<br>3001596 | FBS 10-6<br>3030271 | FBSR 10-6<br>3033716 | FBS 20-6<br>3030365 |  |
| PTTB 4-...                                       | FBS 2-6<br>3030336    | FBSR 2-6<br>3033715 | FBS 3-6<br>3030242    | FBSR 3-6<br>3001594 | FBS 4-6<br>3030255        | FBSR 4-6<br>3001595 | FBS 5-6<br>3030349              | FBSR 5-6<br>3001596 | FBS 10-6<br>3030271 | FBSR 10-6<br>3033716 | FBS 20-6<br>3030365 |  |
| PT 4-PE/3L                                       | FBS 2-6<br>3030336    | FBSR 2-6<br>3033715 | FBS 3-6<br>3030242    | FBSR 3-6<br>3001594 | FBS 4-6<br>3030255        | FBSR 4-6<br>3001595 | FBS 5-6<br>3030349              | FBSR 5-6<br>3001596 | FBS 10-6<br>3030271 | FBSR 10-6<br>3033716 | FBS 20-6<br>3030365 |  |
| PT 6-...                                         | FBS 2-8<br>3030284    | FBSR 2-8<br>3033808 | FBS 3-8<br>3030297    | FBSR 3-8<br>3001597 | FBS 4-8<br>3030307        | FBSR 4-8<br>3000585 | FBS 5-8<br>3030310              | FBSR 5-8<br>3033809 | FBS 10-8<br>3030323 | FBSR 10-8<br>3001599 | —                   |  |
| PT 6/1P-...                                      | FBS 2-8<br>3030284    | FBSR 2-8<br>3033808 | FBS 3-8<br>3030297    | FBSR 3-8<br>3001597 | FBS 4-8<br>3030307        | FBSR 4-8<br>3000585 | FBS 5-8<br>3030310              | FBSR 5-8<br>3033809 | FBS 10-8<br>3030323 | FBSR 10-8<br>3001599 | —                   |  |
| PT 6-TWIN-...                                    | FBS 2-8<br>3030284    | FBSR 2-8<br>3033808 | FBS 3-8<br>3030297    | FBSR 3-8<br>3001597 | FBS 4-8<br>3030307        | FBSR 4-8<br>3000585 | FBS 5-8<br>3030310              | FBSR 5-8<br>3033809 | FBS 10-8<br>3030323 | FBSR 10-8<br>3001599 | —                   |  |
| PT 6-QUATTRO-...                                 | FBS 2-8<br>3030284    | FBSR 2-8<br>3033808 | FBS 3-8<br>3030297    | FBSR 3-8<br>3001597 | FBS 4-8<br>3030307        | FBSR 4-8<br>3000585 | FBS 5-8<br>3030310              | FBSR 5-8<br>3033809 | FBS 10-8<br>3030323 | FBSR 10-8<br>3001599 | —                   |  |
| PTU 6-...                                        | FBS 2-8<br>3030284    | FBSR 2-8<br>3033808 | FBS 3-8<br>3030297    | FBSR 3-8<br>3001597 | FBS 4-8<br>3030307        | FBSR 4-8<br>3000585 | FBS 5-8<br>3030310              | FBSR 5-8<br>3033809 | FBS 10-8<br>3030323 | FBSR 10-8<br>3001599 | —                   |  |
| PT 6-QUATTRO/2P-...                              | FBS 2-8<br>3030284    | FBSR 2-8<br>3033808 | FBS 3-8<br>3030297    | FBSR 3-8<br>3001597 | FBS 4-8<br>3030307        | FBSR 4-8<br>3000585 | FBS 5-8<br>3030310              | FBSR 5-8<br>3033809 | FBS 10-8<br>3030323 | FBSR 10-8<br>3001599 | —                   |  |
| PT 10-...                                        | FBS 2-10<br>3005947   | —                   | —                     | —                   | —                         | —                   | FBS 5-10<br>3005948             | —                   | —                   | —                    | —                   |  |
| PT 10-TWIN-...                                   | FBS 2-10<br>3005947   | —                   | —                     | —                   | —                         | —                   | FBS 5-10<br>3005948             | —                   | —                   | —                    | —                   |  |
| PT 10-HESI-...                                   | —                     | —                   | —                     | —                   | —                         | —                   | —                               | —                   | —                   | —                    | —                   |  |
| PT 16-...                                        | FBS 2-12<br>3005950   | —                   | —                     | —                   | —                         | —                   | —                               | —                   | —                   | —                    | —                   |  |
| PT 16-TWIN-...                                   | FBS 2-12<br>3005950   | —                   | —                     | —                   | —                         | —                   | —                               | —                   | —                   | —                    | —                   |  |
| High-current terminal block                      | Insertion bridges     |                     |                       |                     | Tap-off terminal blocks   |                     | Marking                         |                     | Screwdriver         |                      |                     |  |
|                                                  | 2-pos.                |                     | 3-pos.                |                     |                           |                     |                                 |                     |                     |                      |                     |  |
| PTPOWER 35-...                                   | EB 2-16/PT<br>3212089 |                     | EB 3-16/PT<br>3212090 |                     | —                         |                     | UC-TM 12, UCT-TM 12<br>or ZB 12 |                     | SZF 3-1,0X5,5       |                      |                     |  |
| PTPOWER 50-...                                   | EB 2-20/PT<br>3260067 |                     | EB 3-20/PT<br>3260068 |                     | —                         |                     | UC-TM 12, UCT-TM 12<br>or ZB 12 |                     | SZF 3-1,0X5,5       |                      |                     |  |
| PTPOWER 95-...                                   | EB 2-25/PT<br>3260157 |                     | EB 3-25/PT<br>3260160 |                     | AGK 10-PTPOWER<br>3260145 |                     | UC-TM 12, UCT-TM 12<br>or ZB 12 |                     | SZF 3-1,0X5,5       |                      |                     |  |
| PTPOWER 150-...                                  | EB 2-31/PT<br>3215057 |                     | EB 3-31/PT<br>3215058 |                     | AGK 10-PTPOWER<br>3260145 |                     | UC-TM 12, UCT-TM 12<br>or ZB 12 |                     | SZF 3-1,0X5,5       |                      |                     |  |

# PT accessories

| 12                       | 2                            | 3                 | 4                      | 14                 | 5                 | 6                          | 7                            | 8                                 | 9                  |
|--------------------------|------------------------------|-------------------|------------------------|--------------------|-------------------|----------------------------|------------------------------|-----------------------------------|--------------------|
| Vertical bridge          | Cover                        | End cover segment | Partition plate        | Test adapter 4 mm  | Modular test plug | Spacer plate for test plug | Center groove                | Marking Center and lateral groove | Marker carrier     |
| –                        | D-PT 2,5-QUATTRO-MTB 3210209 | –                 | –                      | PAI-4-N GY 3032871 | PS-5 3030983      | DP PS-5 3036725            | UC-TM 5, UCT-TM 5 or ZB 5    | UC-TMF 5, UCT-TMF 5 or ZBF 5      | –                  |
| –                        | D-ST 2,5 3031762             | –                 | ATP-ST 4 3030721       | PAI-4-N GY 3032871 | PS-5 3030983      | DP PS-5 3036725            | UC-TM 5, UCT-TM 5 or ZB 5    | UC-TMF 5, UCT-TMF 5 or ZBF 5      | STP 5-2-ZB 3037643 |
| –                        | D-ST 2,5 3031762             | –                 | ATP-ST 4 3030721       | –                  | –                 | –                          | UC-TM 5, UCT-TM 5 or ZB 5    | –                                 | STP 5-2-ZB 3037643 |
| FBS-PV 3032185           | D-STTB 2,5 3038503           | –                 | ATP-STTB 4 3030747     | PAI-4-N GY 3032871 | PS-5 3030983      | DP PS-5 3036725            | UC-TM 5, UCT-TM 5 or ZB 5    | UC-TMF 5, UCT-TMF 5 or ZBF 5      | STP 5-2-ZB 3037643 |
| –                        | D-PTI/3 3213975              | –                 | ATP-PTI/3 3213990      | PAI-4-N GY 3032871 | PS-5 3030983      | DP PS-5 3036725            | UC-TM 5, UCT-TM 5 or ZB 5    | UC-TMF 5, UCT-TMF 5 or ZBF 5      | –                  |
| –                        | D-PTB 2,5/3 3210552          | –                 | –                      | PAI-4-N GY 3032871 | PS-5 3030983      | DP PS-5 3036725            | UC-TM 5, UCT-TM 5 or ZB 5    | UC-TMF 5, UCT-TMF 5 or ZBF 5      | –                  |
| FBS-PV UT 3047358        | D-PT 2,5-PE/3L 3210543       | –                 | –                      | PAI-4-N GY 3032871 | PS-5 3030983      | DP PS-5 3036725            | UC-TM 5, UCT-TM 5 or ZB 5    | UC-TMF 5, UCT-TMF 5 or ZBF 5      | –                  |
| –                        | D-PTT 2,5/S-2MT-0,8 3210300  | –                 | ATP-STTB 4 3030747     | –                  | –                 | –                          | –                            | UC-TMF 5, UCT-TMF 5 or ZBF 5      | –                  |
| FBS-PV 3032185           | D-PTTB 2,5-2MTB 3210404      | –                 | –                      | PAI-4-N GY 3032871 | PS-5 3030983      | DP PS-5 3036725            | UC-TM 5, UCT-TM 5 or ZB 5    | –                                 | –                  |
| –                        | D-PTI 2,5/3B 3213959         | –                 | ATP-PTI/3 3213990      | PAI-4-N GY 3032871 | PS-5 3030983      | DP PS-5 3036725            | –                            | UC-TMF 5, UCT-TMF 5 or ZBF 5      | –                  |
| –                        | –                            | –                 | –                      | –                  | –                 | –                          | –                            | –                                 | –                  |
| –                        | D-STU 2,5-TWIN 3033045       | –                 | ATP-ST-TWIN 3030789    | PAI-4-N GY 3032871 | PS-5 3030983      | DP PS-5 3036725            | UC-TM 5, UCT-TM 5 or ZB 5    | UC-TMF 5, UCT-TMF 5 or ZBF 5      | STP 5-2-ZB 3037643 |
| –                        | D-MPT 2,5 3248140            | –                 | –                      | PAI-4-N GY 3032871 | PS-5 3030983      | DP PS-5 3036725            | –                            | UC-TMF 5, UCT-TMF 5 or ZBF 5      | –                  |
| FBS-PV PT 2,5-4L 3012318 | D-PT 2,5-4L/1P 3012301       | –                 | –                      | PAI-4-N GY 3032871 | PS-5 3030983      | DP PS-5 3036725            | –                            | UC-TMF 5, UCT-TMF 5 or ZBF 5      | –                  |
| FBS-PV PT 2,5-4L 3012318 | D-PT 2,5-4L/2P 3012311       | –                 | –                      | PAI-4-N GY 3032871 | PS-5 3030983      | DP PS-5 3036725            | –                            | UC-TMF 5, UCT-TMF 5 or ZBF 5      | –                  |
| –                        | D-ST 4 3030420               | –                 | ATP-ST 4 3030721       | PAI-4-N GY 3032871 | PS-6 3030996      | DP PS-6 3036738            | UC-TM 6, UCT-TM 6 or ZB 6    | UC-TMF 6, UCT-TMF 6 or ZBF 6      | STP 5-2-ZB 3037643 |
| –                        | D-PT 4-TWIN 3208977          | –                 | ATP-ST-TWIN 3030789    | PAI-4-N GY 3032871 | PS-6 3030996      | DP PS-6 3036738            | UC-TM 6, UCT-TM 6 or ZB 6    | UC-TMF 6, UCT-TMF 6 or ZBF 6      | STP 5-2-ZB 3037643 |
| –                        | D-PT 4-QUATTRO 3208979       | –                 | ATP-ST QUATTRO 3030815 | PAI-4-N GY 3032871 | PS-6 3030996      | DP PS-6 3036738            | UC-TM 6, UCT-TM 6 or ZB 6    | UC-TMF 6, UCT-TMF 6 or ZBF 6      | STP 5-2-ZB 3037643 |
| –                        | –                            | –                 | ATP-ST QUATTRO 3030815 | –                  | –                 | –                          | –                            | UC-TMF 6, UCT-TMF 6 or ZBF 6      | –                  |
| –                        | D-ST 4 3030420               | –                 | ATP-ST 4 3030721       | PAI-4-N GY 3032871 | PS-6 3030996      | DP PS-6 3036738            | UC-TM 6, UCT-TM 6 or ZB 6    | UC-TMF 6, UCT-TMF 6 or ZBF 6      | –                  |
| –                        | D-PTU 4-TWIN 3211863         | –                 | ATP-ST-TWIN 3030789    | PAI-4-N GY 3032871 | PS-6 3030996      | DP PS-6 3036738            | UC-TM 6, UCT-TM 6 or ZB 6    | UC-TMF 6, UCT-TMF 6 or ZBF 6      | STP 5-2-ZB 3037643 |
| –                        | D-PTU 4-MT 3209534           | –                 | ATP-ST QUATTRO 3030815 | PAI-4-N GY 3032871 | PS-6 3030996      | DP PS-6 3036738            | UC-TM 6, UCT-TM 6 or ZB 6    | UC-TMF 6, UCT-TMF 6 or ZBF 6      | –                  |
| –                        | D-ST 4 3030420               | –                 | ATP-ST 4 3030721       | –                  | –                 | –                          | –                            | UC-TMF 6, UCT-TMF 6 or ZBF 6      | –                  |
| –                        | D-PTI 4/3 3214054            | –                 | –                      | PAI-4-N GY 3032871 | PS-6 3030996      | DP PS-6 3036738            | –                            | UC-TMF 6, UCT-TMF 6 or ZBF 6      | –                  |
| FBS-PV 3032185           | D-STTB 4 3030462             | –                 | ATP-STTB 4 3030747     | PAI-4-N GY 3032871 | PS-6 3030996      | DP PS-6 3036738            | –                            | UC-TMF 6, UCT-TMF 6 or ZBF 6      | STP 5-2 0800967    |
| FBS-PV UT 3047358        | D-PT 4-PE/ 3L 3210443        | –                 | –                      | PAI-4-N GY 3032871 | PS-6 3030996      | DP PS-6 3036738            | UC-TM 6, UCT-TM 6 or ZB 6    | UC-TMF 6, UCT-TMF 6 or ZBF 6      | –                  |
| –                        | D-PT 6 3212044               | –                 | ATP-ST 6 3024481       | PAI-4-N GY 3032871 | PS-8 3031005      | DP PS-8 3036741            | UC-TM 8, UCT-TM 8 or ZB 8    | UC-TMF 8, UCT-TMF 8 or ZBF 8      | STP 5-2-ZB 3037643 |
| –                        | D-PT 6-TWIN 3211508          | –                 | –                      | PAI-4-N GY 3032871 | PS-8 3031005      | DP PS-8 3036741            | UC-TM 8, UCT-TM 8 or ZB 8    | UC-TMF 8, UCT-TMF 8 or ZBF 8      | STP 5-2-ZB 3037643 |
| –                        | D-PT 6-QUATTRO 3212963       | –                 | –                      | PAI-4-N GY 3032871 | PS-8 3031005      | DP PS-8 3036741            | UC-TM 8, UCT-TM 8 or ZB 8    | UC-TMF 8, UCT-TMF 8 or ZBF 8      | STP 5-2-ZB 3037643 |
| –                        | D-PTU 6-T 3209533            | –                 | –                      | PAI-4-N GY 3032871 | PS-8 3031005      | DP PS-8 3036741            | UC-TM 8, UCT-TM 8 or ZB 8    | UC-TMF 8, UCT-TMF 8 or ZBF 8      | –                  |
| –                        | D-PT 6-QUATTRO/2P 3061855    | –                 | –                      | PAI-4-N GY 3032871 | PS-8 3031005      | DP PS-8 3036741            | UC-TM 8, UCT-TM 8 or ZB 8    | UC-TMF 8, UCT-TMF 8 or ZBF 8      | –                  |
| –                        | D-PT 10 3212057              | –                 | –                      | –                  | –                 | –                          | UC-TM 10, UCT-TM 10 or ZB 10 | UC-TMF 10, UCT-TMF 10 or ZBF 10   | STP 5-2-ZB 3037643 |
| –                        | D-PT 10-TWIN 3208748         | –                 | –                      | –                  | –                 | –                          | UC-TM 10, UCT-TM 10 or ZB 10 | UC-TMF 10, UCT-TMF 10 or ZBF 10   | STP 5-2-ZB 3037643 |
| –                        | –                            | –                 | –                      | –                  | –                 | –                          | –                            | UC-TMF 10, UCT-TMF 10 or ZBF 10   | –                  |
| –                        | D-PT 16 N 3212138            | –                 | –                      | –                  | –                 | –                          | UC-TM 12, UCT-TM 12 or ZB 12 | UC-TMF 12, UCT-TMF 12 or ZBF 12   | –                  |
| –                        | D-PT 16-TWIN N 3208799       | –                 | –                      | –                  | –                 | –                          | UC-TM 12, UCT-TM 12 or ZB 12 | UC-TMF 12, UCT-TMF 12 or ZBF 12   | –                  |

# CLIP PROJECT – Planning and marking software

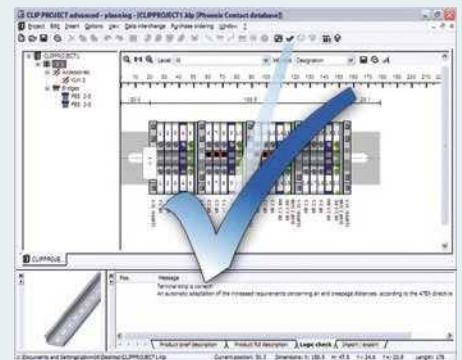
CLIP PROJECT combines our proven planning software for terminal strip configuration with a high-performance marking tool. Direct data exchange with all conventional CAE programs, along with the creation of the complete project documentation, are what make this configuration software unique.

And there's more: With CLIP PROJECT you can also create the marking for all of your applications.

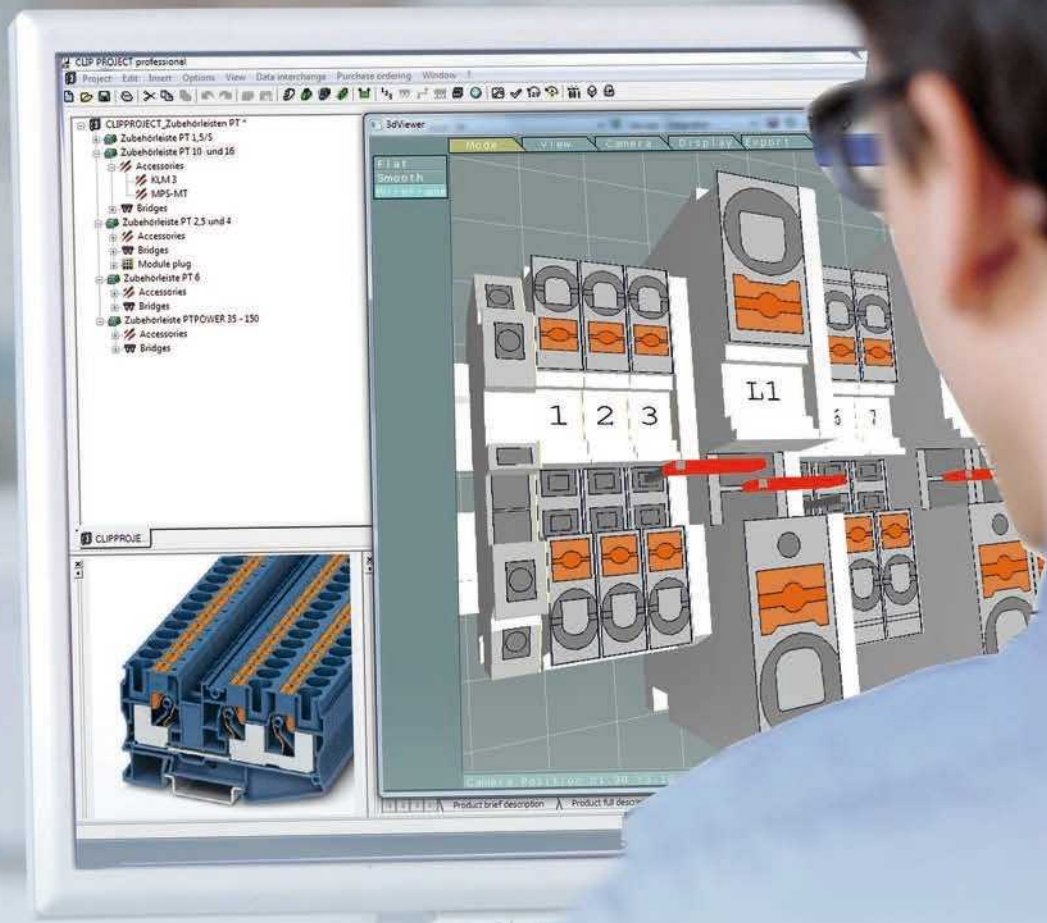
Use CLIP PROJECT to develop your DIN rail modules – complete with bridging, marking, and further accessories.



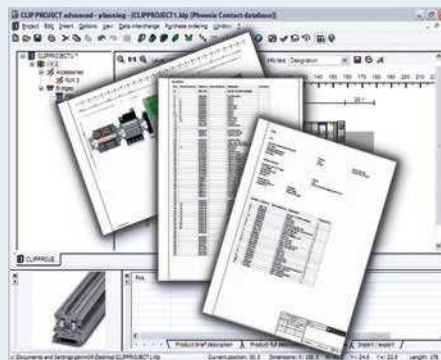
By integrating CLIP PROJECT in EPLAN P8, terminal strips are automatically produced from the circuit diagram in CLIP PROJECT. The product data is written back to the EPLAN parts lists using the two-way interface.



The automatic correction function checks the configured terminal strip and automatically adds any missing accessories. 2D and 3D design data are available with a click of the mouse.



The configured terminal strips can be distributed across several DIN rails in order to determine the exact space requirements for installation.



Complete documentation and an effective 3D preview are available for rapidly and correctly producing the mechanical structure of the terminal strips.



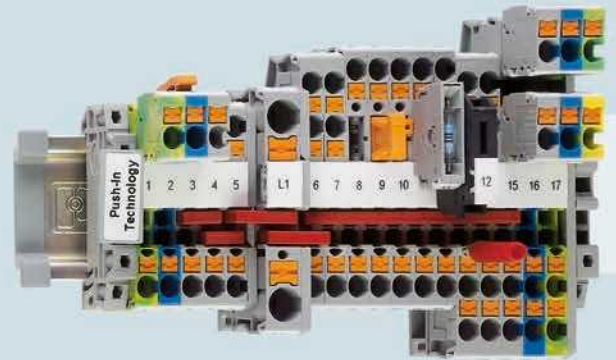
Phoenix Contact provides a terminal strip service. The terminal strips configured to suit your requirements can be ordered using the e-mail function. Phoenix Contact will supply the terminal strips promptly.

# Push-in connection technology – Consistent from the field to the controller

Push-in connection technology from Phoenix Contact allows you to wire your entire application easily and safely.

A complete product range is available for consistent wiring, from field wiring to power and control wiring. You can easily connect sensors and actuators, modular terminal blocks, and interface and automation components without using any tools.

Push-in - the new insertion experience!



**Interface components  
with push-in connection**

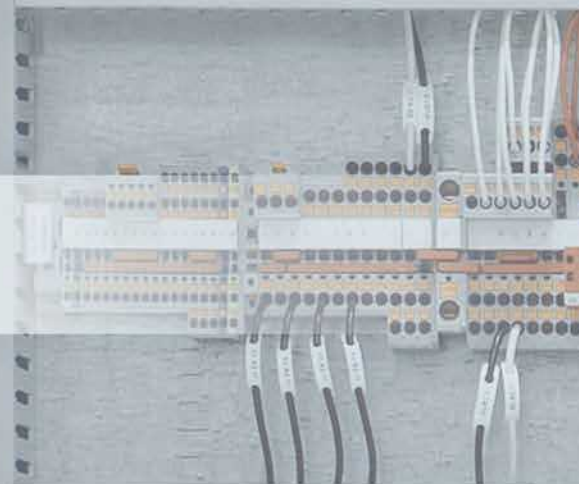


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I/O system and controller with push-in connection

Modular terminal blocks with push-in connection



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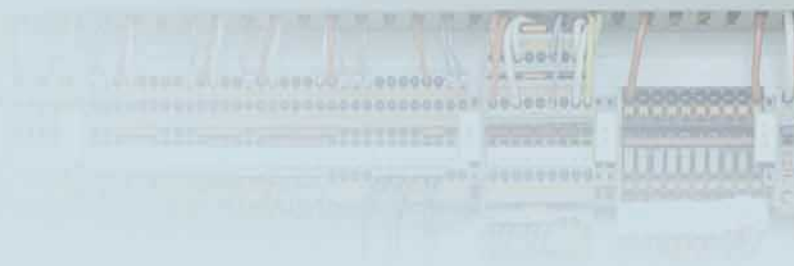


DMG MORI SEIKI



## Push-in Technology

Designed by PHOENIX CONTACT



The TRUMPF Group is the global leader in production, laser, and medical technology. TRUMPF offers its customers both innovative and high-quality products, as well as solutions to their problems – in sheet metal processing, laser-based production processes, electronic applications, and hospital equipment. Wired with push-in connection technology from Phoenix Contact. [www.trumpf.com](http://www.trumpf.com)



Grenzbach's assembly lines for materials, glass, and photovoltaics are used throughout the world wherever high demands are made on automation and material flow control. Fast manufacturing times and rapid startup on site are some of the keys to its success. In doing so, the company puts its trust in push-in connection technology from Phoenix Contact. [www.grenzbach.com](http://www.grenzbach.com)



The Weinig Group AG is the market leader in solid wood processing machines and turn-key production systems for industrial and manual operations. In addition to series production of machines, the company increasingly offers its customers tailored solutions. When it comes to wiring, Weinig puts its trust in push-in connection technology from Phoenix Contact. [www.weinig.com](http://www.weinig.com)



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- Surge protection and interference filters
- System cabling for controllers
- Tools
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