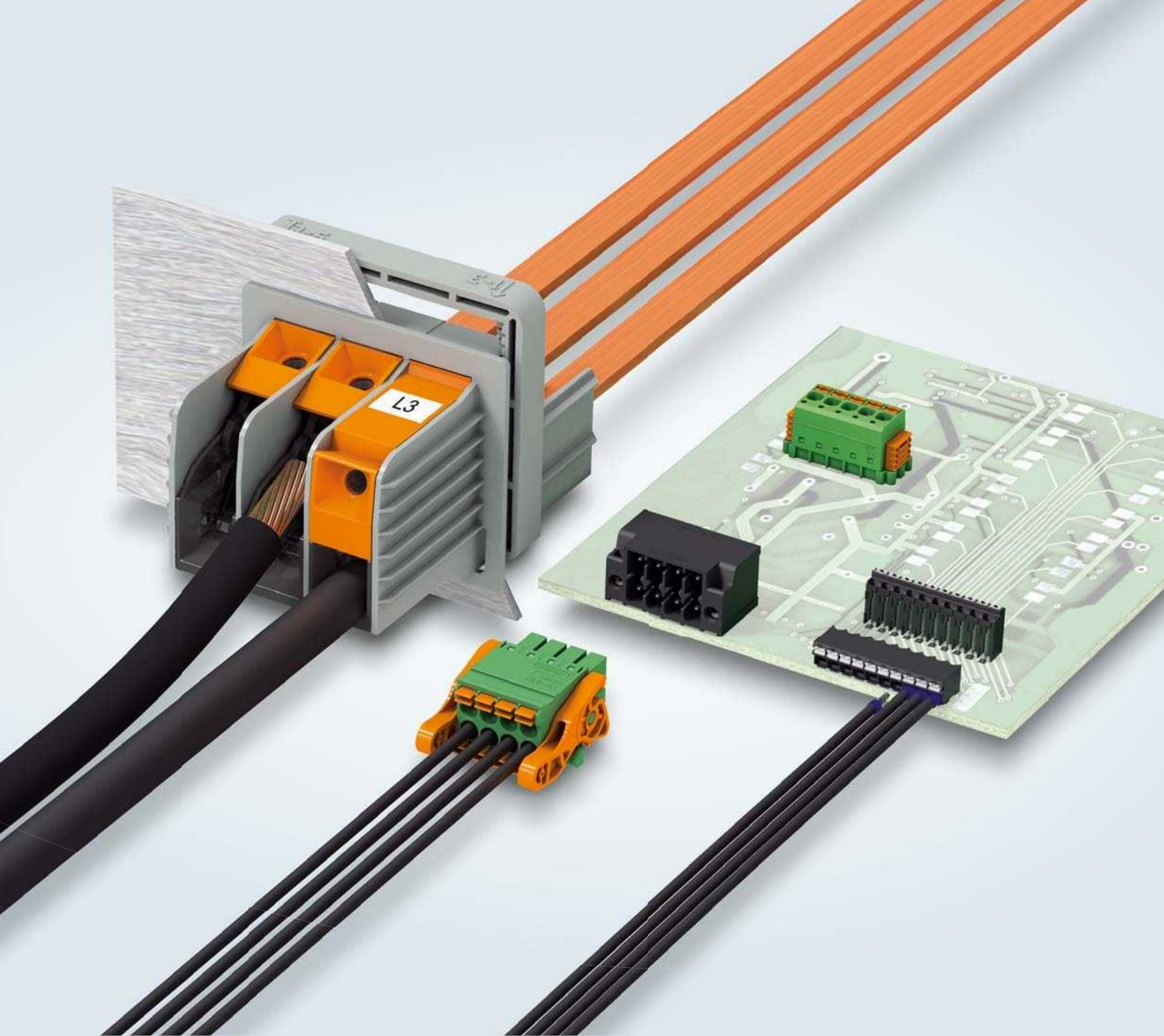




# PCB terminal blocks and PCB connectors

Product overview 2017/2018



**ELECTROUSTIC**  
DISTRIBUTION OF CONNECTIVITY SOLUTIONS

**PHOENIX  
CONTACT**  
INSPIRING INNOVATIONS

# PCB terminal blocks, connectors and panel feed-through terminal blocks

Whether you use a screw connection or push-in spring connection, as a PCB terminal block or easy-to-maintain connector for 1 to 24 positions – the comprehensive COMBICON product range offers the right connection technology to transmit signals, data or power for almost every application.

## PCB connectors

- For conductor cross sections from 0.14 mm<sup>2</sup> (AWG 26) to 35 mm<sup>2</sup> (AWG 2)
- For currents up to 125 A (IEC) / 115 A (UL B, C)
- For voltages up to 1000 V (IEC) / 600 V (UL B, C)
- With screw, spring, insulation displacement and crimp connection for various connection directions
- For pitches from 2.5 mm to 15 mm
- Various combinations available for board-to-board, wire-to-board and wire-to-wire connections, also available with touch proofness
- SKEDD direct connection technology



Web code: #0425

## PCB terminal blocks

- For conductor cross sections from 0.14 mm<sup>2</sup> (AWG 26) to 95 mm<sup>2</sup> (AWG 3/0)
- For currents up to 232 A (IEC) / 200 A (UL B, C)
- For voltages up to 1000 V (IEC) / 600 V (UL B, C)
- With screw, spring and insulation displacement connection for various connection directions
- For pitches from 2.5 mm to 20 mm
- For wave, THR and SMT soldering



Web code: #0391

### High-current feed-through terminal blocks

- For conductor cross sections from 4 mm<sup>2</sup> (AWG 10) to 150 mm<sup>2</sup> (AWG 250)
- For currents up to 309 A (IEC) / 309 A (UL B, C)
- For voltages up to 1000 V (IEC) / 600 V (UL B, C)
- With screw, spring, T-LOX and bolt connection for various connection directions
- For panel thicknesses of 1 to 6 mm
- Fastening through tool-free snap-in locking



**Web code:** #0456

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### Find out more with the web code

You can find web codes in this brochure: a pound sign followed by a four-digit number combination.



**Web code:** #1234 (example)

This allows you to access information on our website quickly.

#### It could not be easier:

1. Go to the Phoenix Contact website
2. Enter # and the number combination in the search field
3. Get more information and product versions

Or use the direct link:  
**[phoenixcontact.net/webcode/#1234](https://phoenixcontact.net/webcode/#1234)**

# PCB terminal blocks

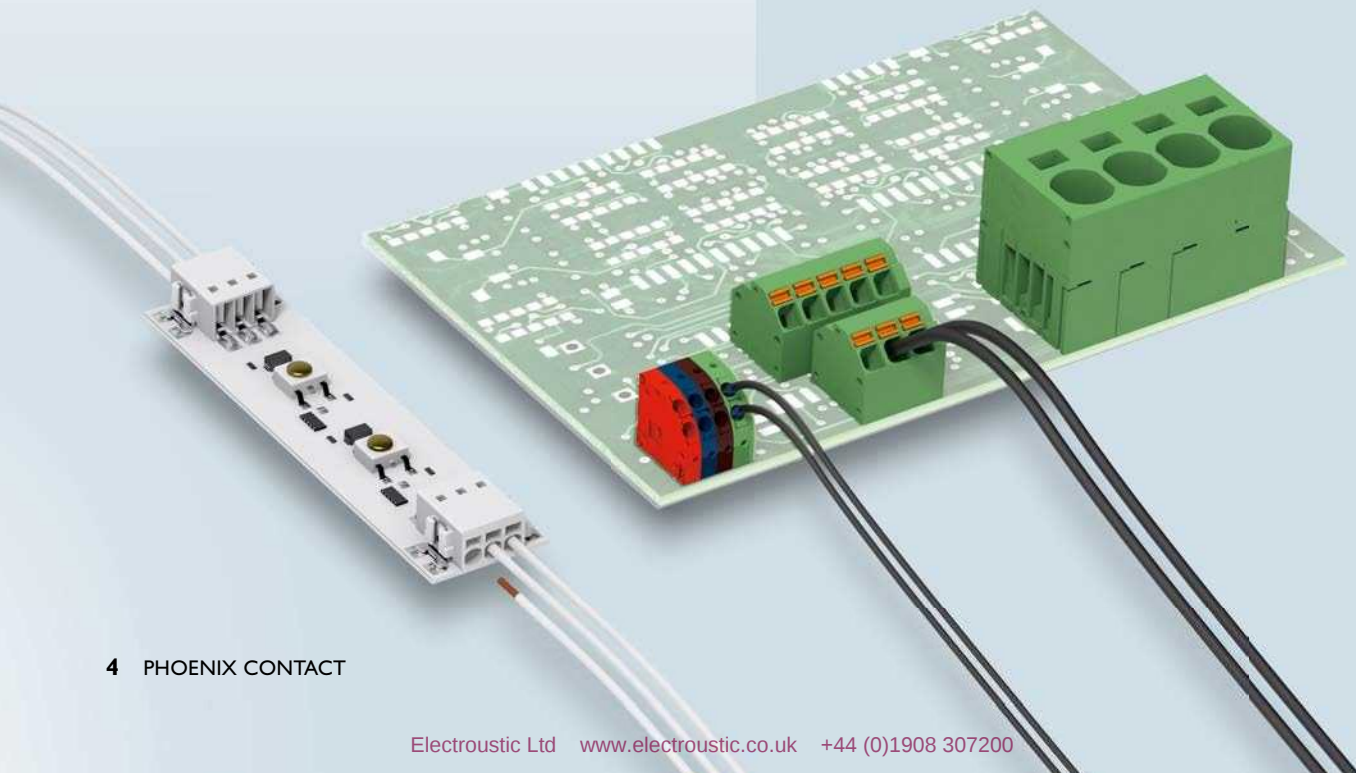
Whether you have process interfaces, automation components or frequency inverters – we offer the right terminal block for your application. The one-of-a-kind PCB terminal block product range consists of metric pitches and pitches in inches from miniature PCB terminal blocks with 2.5 mm pitch through to power-level terminals with a 20 mm pitch.

## Main features

- For conductor cross sections from 0.14 mm<sup>2</sup> (AWG 26) to 95 mm<sup>2</sup> (AWG 3/0)
- For currents up to 232 A (IEC) / 200 A (UL B, C)
- For voltages up to 1000 V (IEC) / 600 V (UL B, C)
- With screw, spring and insulation displacement connection for various connection directions
- For pitches from 2.5 mm to 20 mm
- Assembly method: wave, THR and SMT soldering



**i** Web code:  
#0391

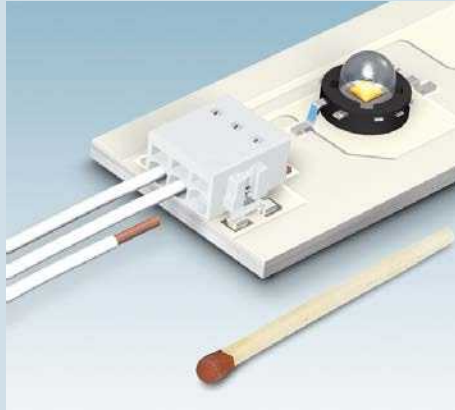


## Advantages at a glance



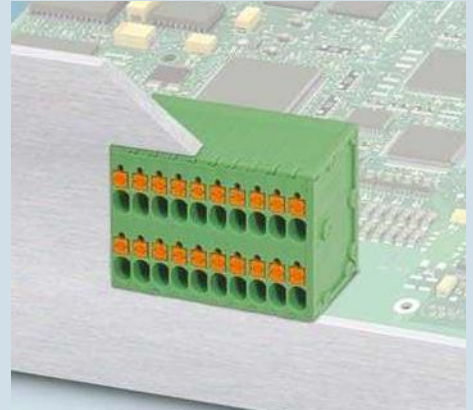
### Individual markings

Printing, marking and color-coding



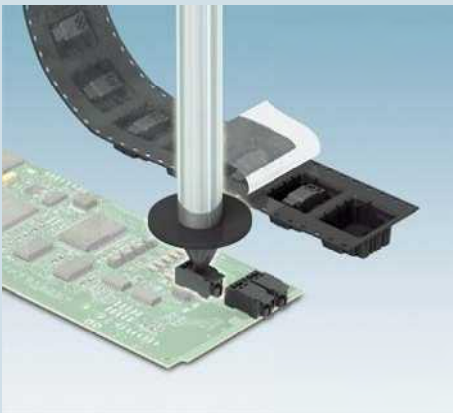
### Compact design

Largest possible clamping space at small component size



### Easy integration into the front of the device

Unique design and flush end of housing



### Process-optimized packaging

Components for SMT and THR processes in packaging compatible with automatic assembly



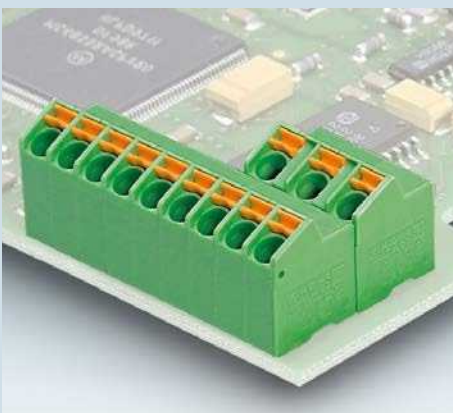
### Multi-level designs

High packaging and connection density



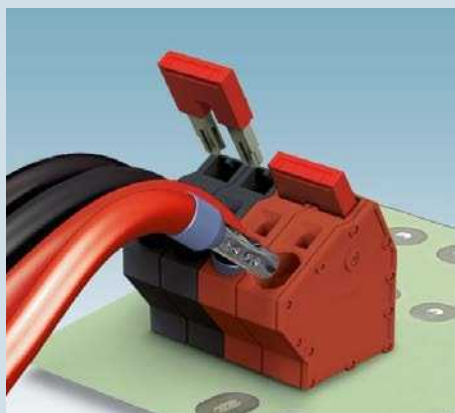
### Safe mounting flange

Relief of the solder pins through additional screw connection on the PCB



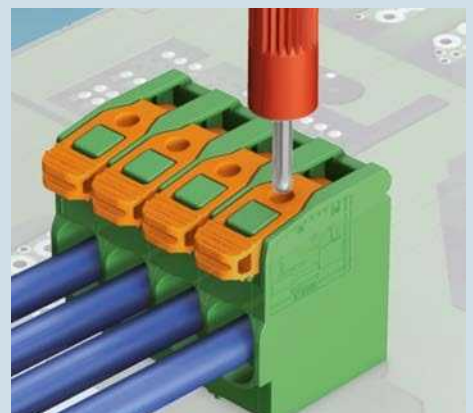
### Multi-row assignment

An angled conductor outlet enables high density on the PCB



### Easy potential distribution

Integrated and plug-in bridges for simply connecting individual positions



### Integrated test points

Carry out measurements without removing the wiring

# PCB connectors

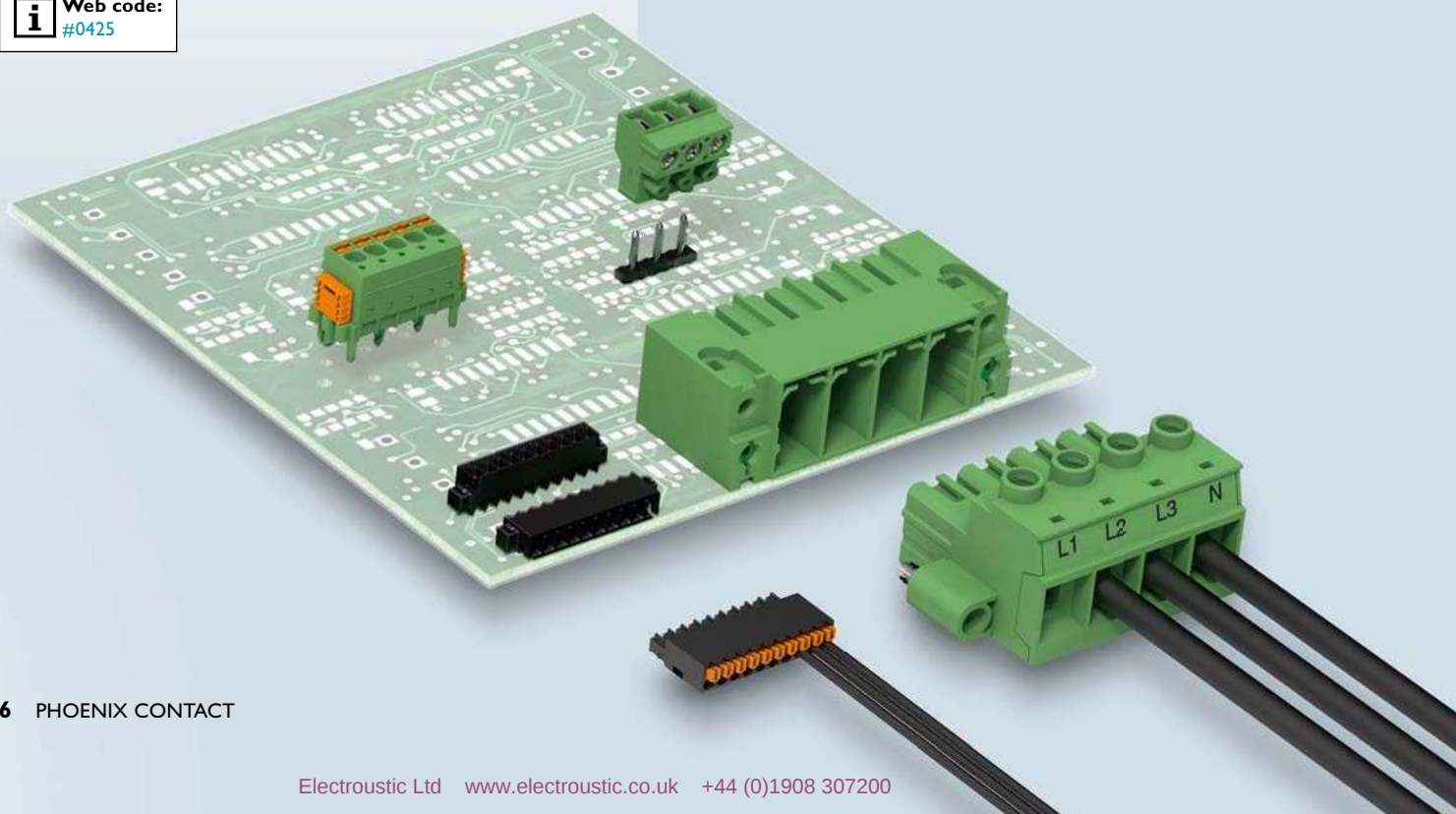
You can receive PCB connectors from Phoenix Contact with innovative connection technologies. Thanks to pitch dimensions ranging from 2.5 mm to 15 mm and amperages up to 125 A (IEC), you can always find the right solution for your device design.

## Main features

- For conductor cross sections from 0.14 mm<sup>2</sup> (AWG 26) to 35 mm<sup>2</sup> (AWG 2)
- For currents up to 125 A (IEC) / 115 A (UL B, C)
- For voltages up to 1000 V (IEC) / 600 V (UL B, C)
- With screw, spring, insulation displacement and crimp connection for various connection directions
- For pitches from 2.5 mm to 15 mm
- Various combinations available for board-to-board, wire-to-board and wire-to-wire connections, also available with touch proofness



**i** Web code:  
#0425

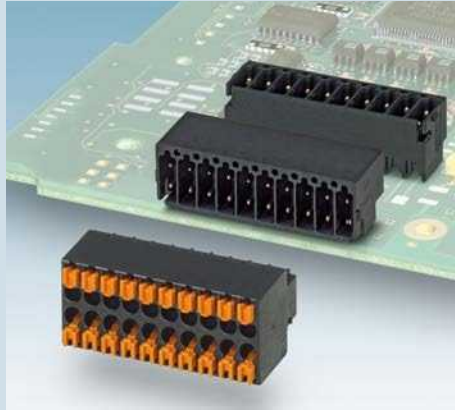


## Advantages at a glance



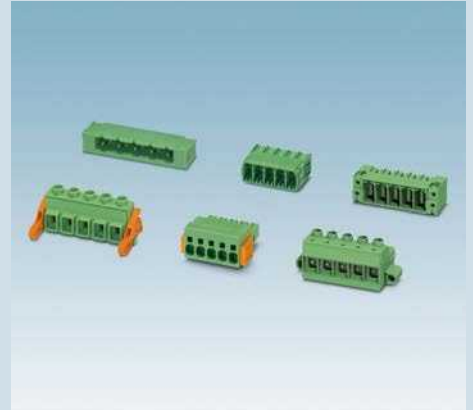
### Compact design

Largest possible conductor cross section at small component size



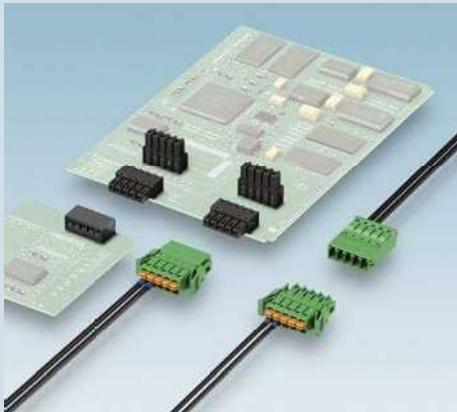
### Multi-row connectors

Multi-row versions for connecting conductors on multiple levels



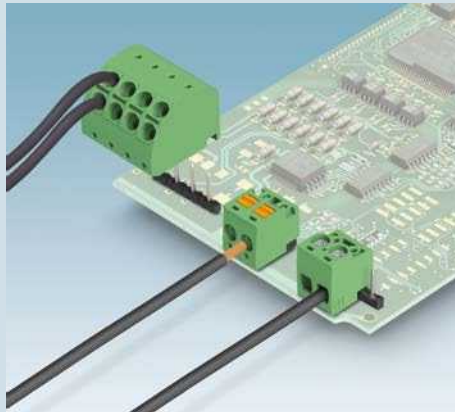
### Innovative interlocking devices

Screw flange, latching flange, Click and Lock, Lock and Release locking



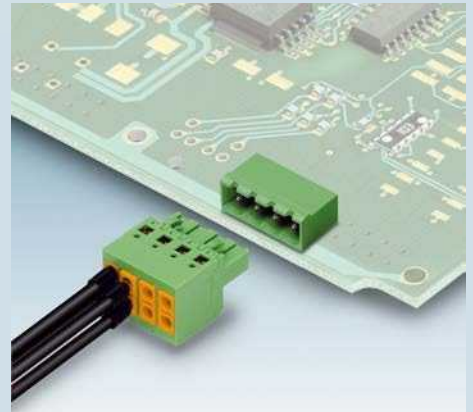
### Numerous possible combinations

Inverted connectors and headers for contact-protected PCB outputs and flying leads



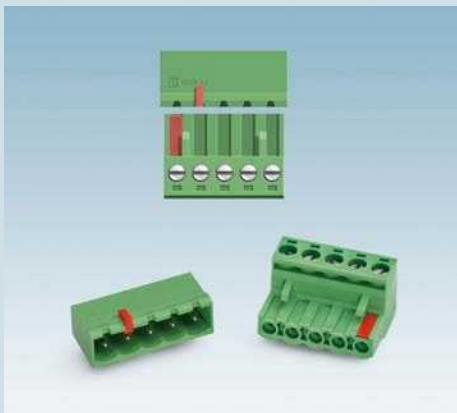
### Cost-optimized pin strips

Straight and angled pin strips for wave and reflow soldering processes



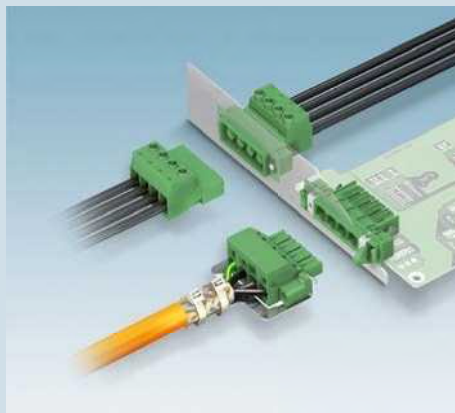
### Space-saving TWIN design

Two conductor outputs on one terminal post



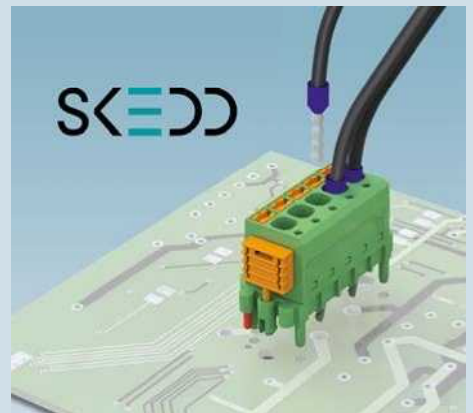
### Mechanical coding

Mismatching is prevented, thanks to special coding tabs and coding profiles



### Reliable panel feed-throughs

Connection through the device walls using connectors and headers for wall mounting



### Tool-free direct connection technology

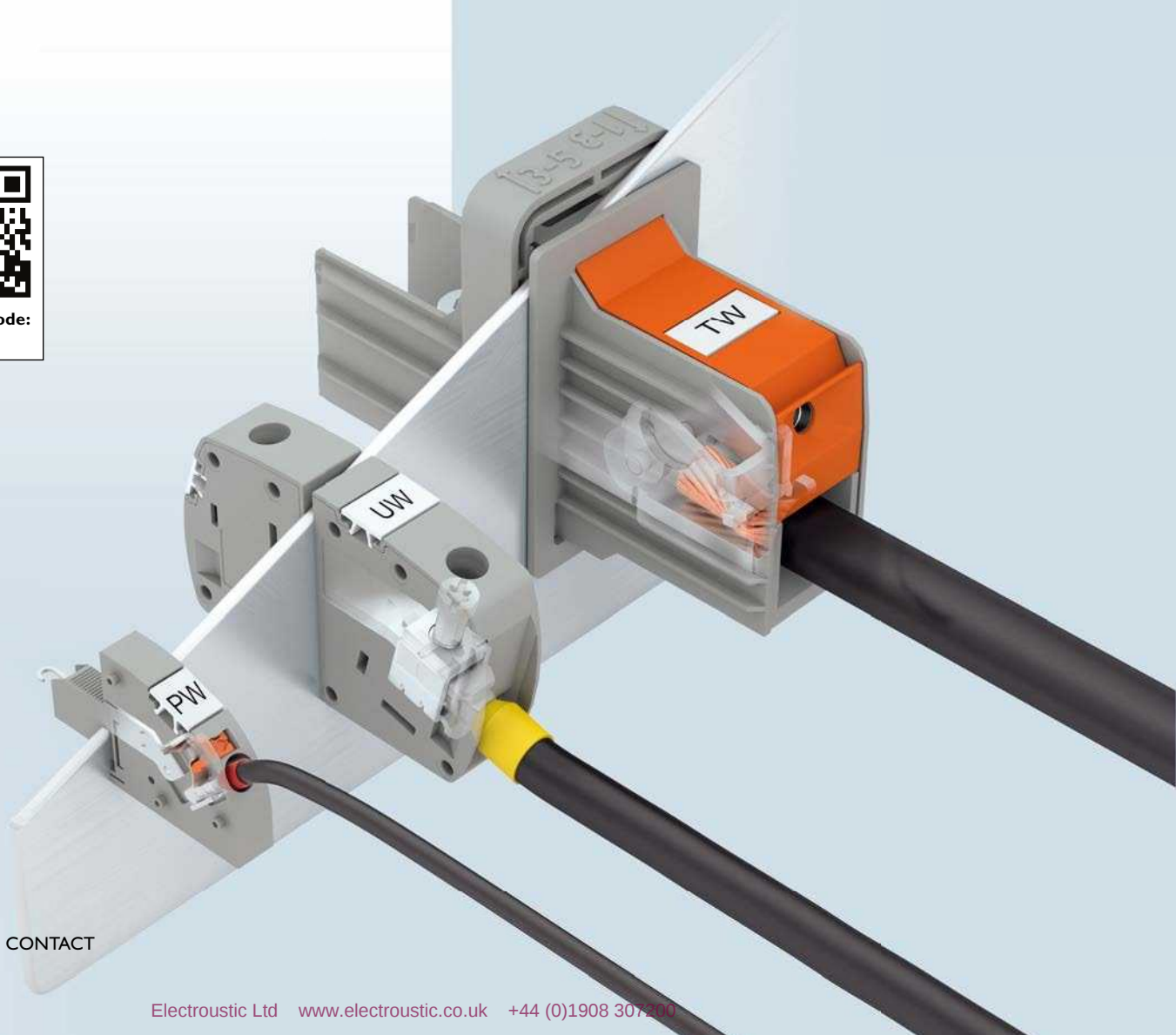
SKEDD technology for reduced material and process costs

# High-current feed-through terminal blocks

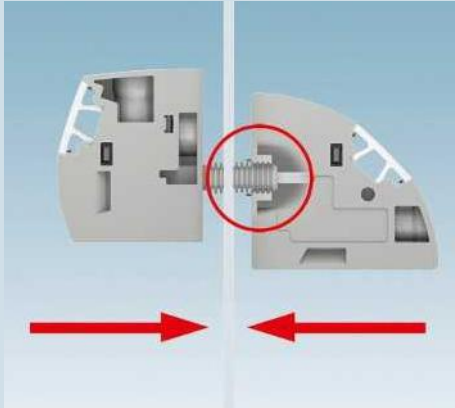
Phoenix Contact provides you with a complete product range of high-current feed-through terminal blocks with a compact design. The right solution for every application: for panel thicknesses ranging from 1 mm to 6 mm, amperages up to 309 A and voltages up to 1000 V (IEC).

## Main features

- For conductor cross sections from 4 mm<sup>2</sup> (AWG 10) to 150 mm<sup>2</sup> (AWG 250)
- For currents up to 309 A (IEC) / 309 A (UL B, C)
- For voltages up to 1000 V (IEC) / 600 V (UL B, C)
- With screw, spring, T-LOX and bolt connection for various connection directions
- For panel thicknesses of 1 to 6 mm
- Fastening through tool-free snap-in locking



## Advantages at a glance



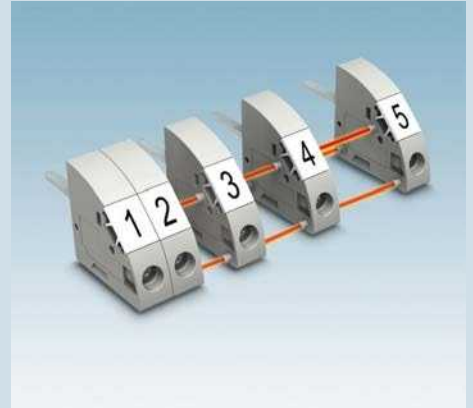
### Easy assembly

Outer and inner sections are locked to each other through the housing wall without using tools



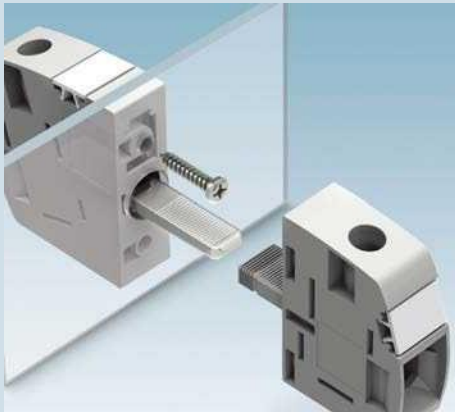
### Clear marking

Marking groove integrated in the housing for clear marking



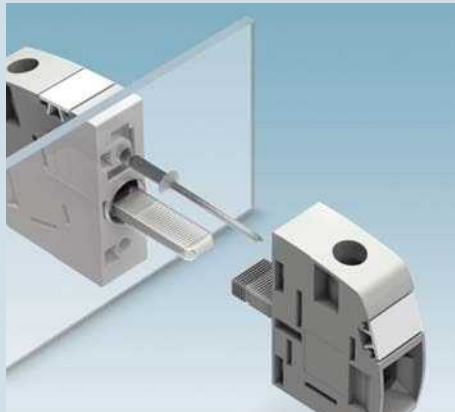
### Convenient block formation

Form prefabricated blocks easily with securing pin versions



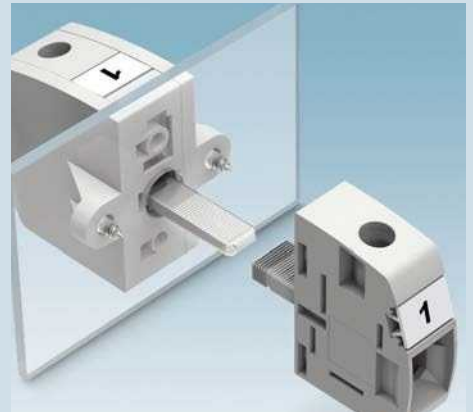
### Screw fastening

Alternative fastening option inside device



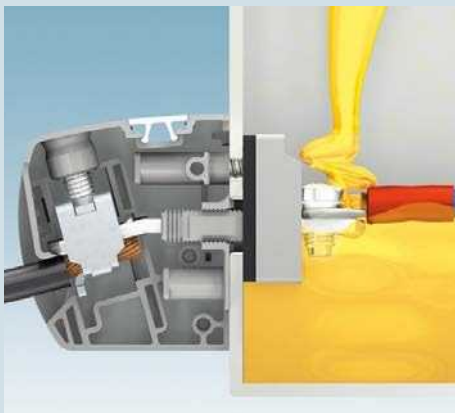
### Rivet fastening

Alternative fastening option inside device



### Flange fastening

Alternative fastening option outside device



### Maximum tightness

Molded terminal blocks have been designed specifically to meet the requirements associated with molded devices



### Larger insulation distances

Distance plates ensure increased insulation distances between neighboring positions



### Fast conductor connection

Connect conductors up to 95 mm<sup>2</sup> (AWG 3/0) with T-LOX knee lever connection technology

# The right solution for every application

Whether for reliable inverters, complex controllers or state-of-the-art Smart Home applications – the COMBICON product range offers the right solution for every application. International approvals and certificates attest to the high quality and suitability of our products for use worldwide.

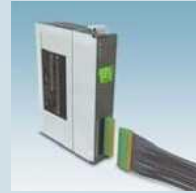


## Solutions for miniaturization: COMBICON micro/mini

- Connectors and panel feed-through terminal blocks for currents up to 8 A (IEC)/ 10 A (UL B, D)
- 2.5 mm to 5.08 mm pitch



Switch network technology



Servo controllers



Frequency inverters



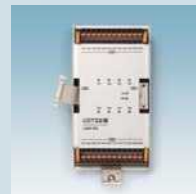
Controllers

## Solutions for industry and process automation: COMBICON control

- PCB terminal blocks for currents up to 41 A (IEC)/ 36 A (UL B, D)
- Connectors for currents up to 12 A (IEC)/ 15 A (UL B, D)
- Feed-through connectors for currents up to 12 A (IEC)/15 A (UL B, D)
- 5.0 mm to 7.62 mm pitch



Power supply



Controllers for rail vehicles



Signal converters



I/O system

## Solutions for Smart Home and lighting: COMBICON compact

- PCB terminal blocks for currents up to 32 A (IEC)/ 30 A (UL B, D)
- Connectors for currents up to 13.5 A (IEC)/ 10 A (UL B, D)
- 2.5 mm to 7.5 mm pitch
- Solutions for fixed and flexible LED PCBs



Lighting



Safety technology



Communication



Building automation

## Solutions for power electronics: COMBICON power

- PCB terminal blocks for currents up to 232 A (IEC)/ 200 A (UL B, D)
- Connectors for currents up to 125 A (IEC)/ 115 A (UL B, D)
- Panel feed-through terminal blocks for currents up to 309 A (IEC)/309 A (UL B, D)
- 5.0 mm to 20 mm pitch



Variable frequency drives



Frequency inverters



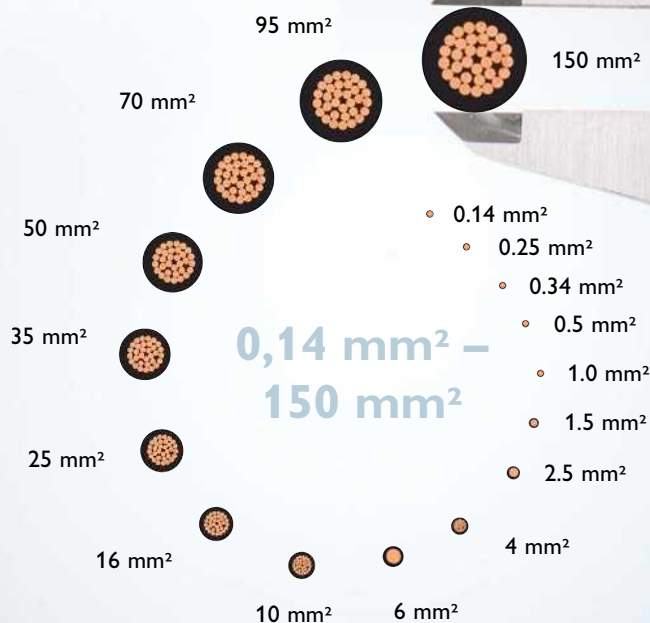
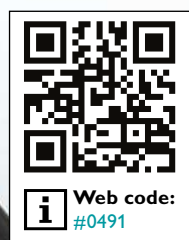
Power supplies



Solar inverters

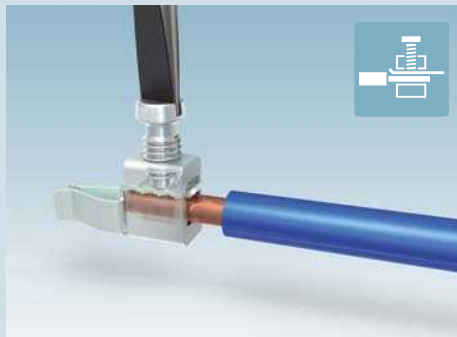
# Always the right connection technology

For conductor cross sections up to 150 mm<sup>2</sup> (AWG 250), Phoenix Contact provides the largest product range on the market. Whether globally established screw connection or innovative quick connection technology – the choice is yours.

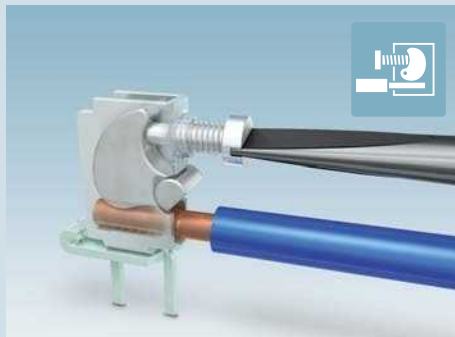


Thanks to high-quality contact systems, you can connect fixed and stranded conductors with small and large cross sections safely and reliably.

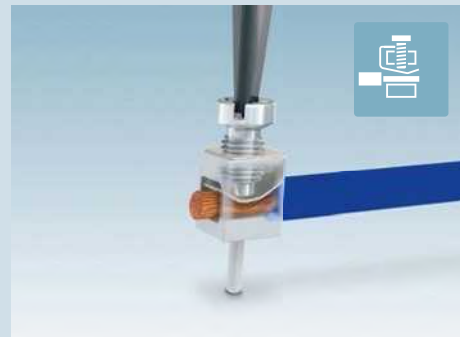
## An overview of connection technologies



Screw connection with tension sleeve



Front screw connection



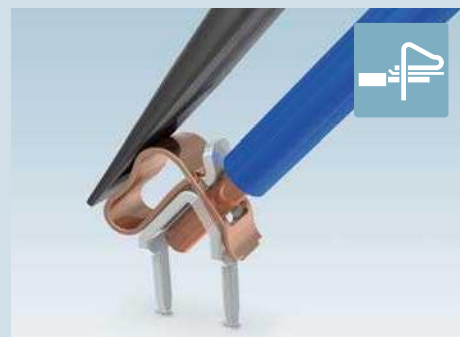
Screw connection with wire guard



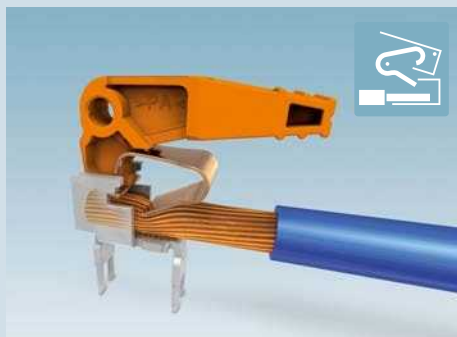
T-LOX knee lever connection



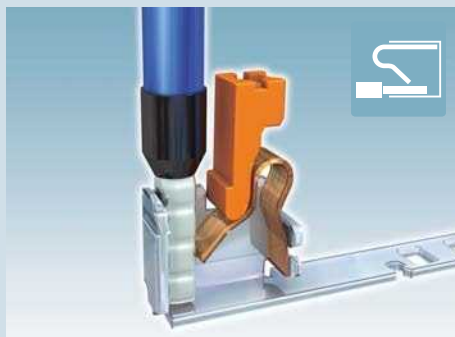
Push-in spring connection with screwdriver actuation



Spring-cage connection



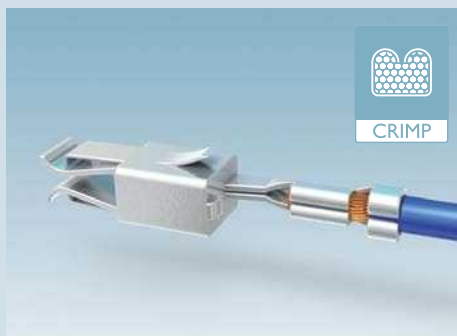
Push-lock spring connection



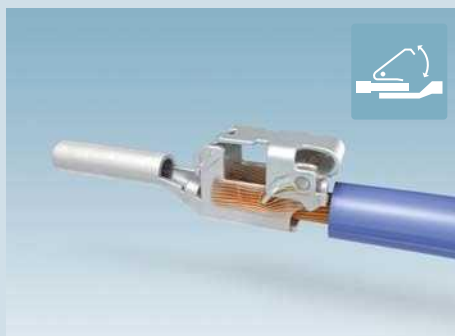
Push-in spring connection with push button



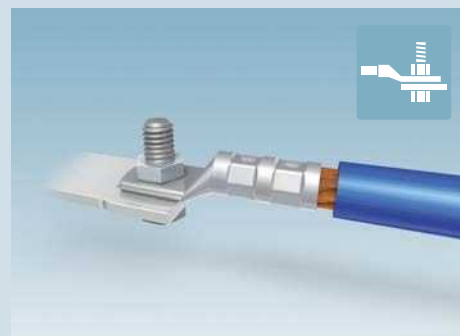
IDC displacement connection



Crimp connection



SUNCLIX spring connection



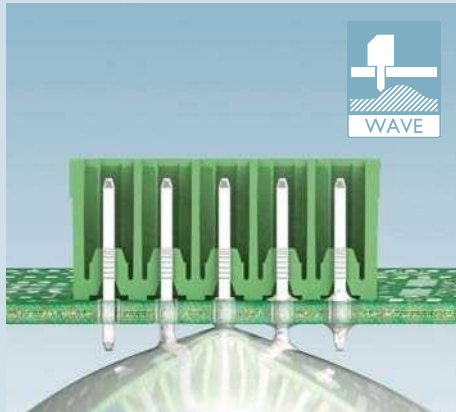
Bolt connection

# Suitable for all manufacturing processes

The comprehensive product range of PCB terminal blocks and headers offers you solutions for various manufacturing processes, such as soldering, press-in and direct plug-in. Thus, you can assemble PCBs efficiently and process them reliably. The new SKEDD direct connection technology also allows you to reduce your material and process costs up to 30%.

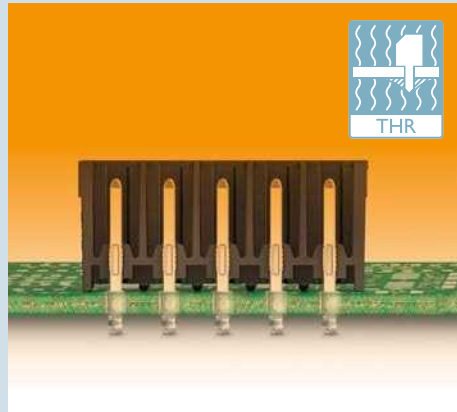


## Manufacturing process at a glance



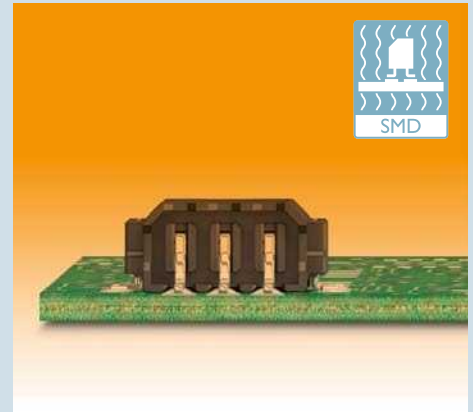
### Wave soldering

Wave soldering is the classic soldering process for manufacturing electronic modules primarily equipped with through-hole components. The soldering contact feeding through the PCB and the soldering on the bottom side of the PCB are characteristic of this process.



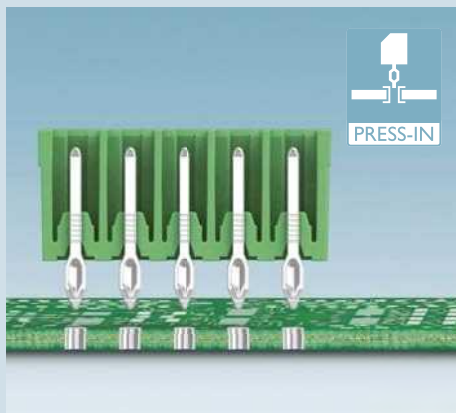
### THR soldering

Through-hole reflow soldering (THR) enables the integration of through-hole components from high temperature material into the SMT reflow process. During this process, the through-hole contacts are plugged into the boreholes filled with soldering paste and soldered in the reflow soldering process.



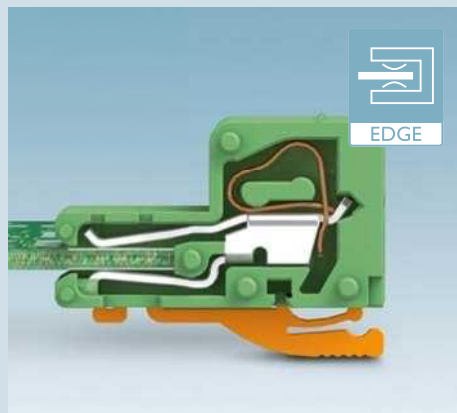
### SMT soldering

Surface mount technology (SMT) is used for surface mounting components. The components are equipped with soldering paste on the surface of the PCB and soldered in the reflow soldering process. Special components with corresponding surface contacts are required for this.



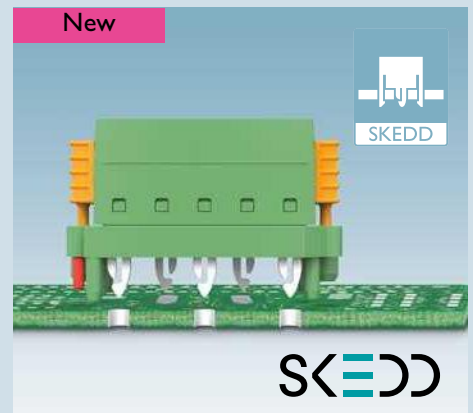
### Press-in technology

Press-in technology is a solder-free assembly technology featuring low press-in force and high holding force. For this, the pin contacts of the components have an elastic press-in zone that ensures reliable contacting and low contact resistance.



### Direct connection technology

Direct connection is a solder-free mounting technology that does away with pin strips. The plug contacts the corresponding pads on the edge of the PCB directly. These pads must be provided in the PCB layout.



### SKEDD direct connection technology

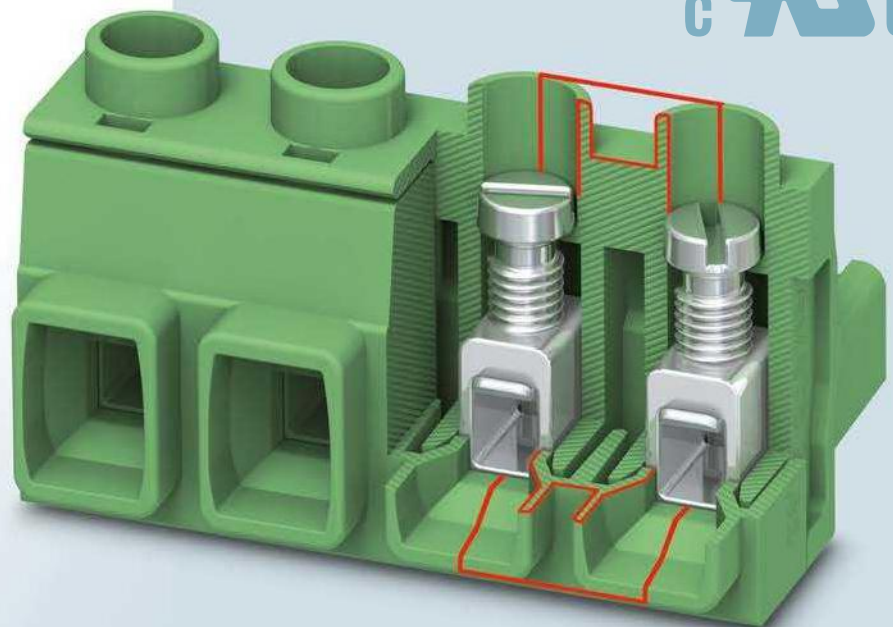
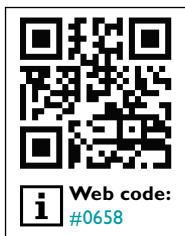
SKEDD is an innovative mounting technology for connecting PCB connectors directly with the PCB via plated-through holes. Mounting is tool-free and an additional header is not required. Body-bound rivets ensure a reliable and vibration-resistant connection.

# Connection technology with UL certification

As a responsible manufacturer of device connection technology, we develop and test our products so that you can approve and use your devices internationally.

UL recognizes terminal boxes and connectors as individual components (UL 1059). In the end application, components undergo final evaluation and are approved for operation together with the device.

Depending on the device standard, PCB terminal blocks and PCB connectors that are certified in accordance with the product standard UL 1059 for a maximum voltage of 300 V may also be used in 600 V applications if certain requirements are met.

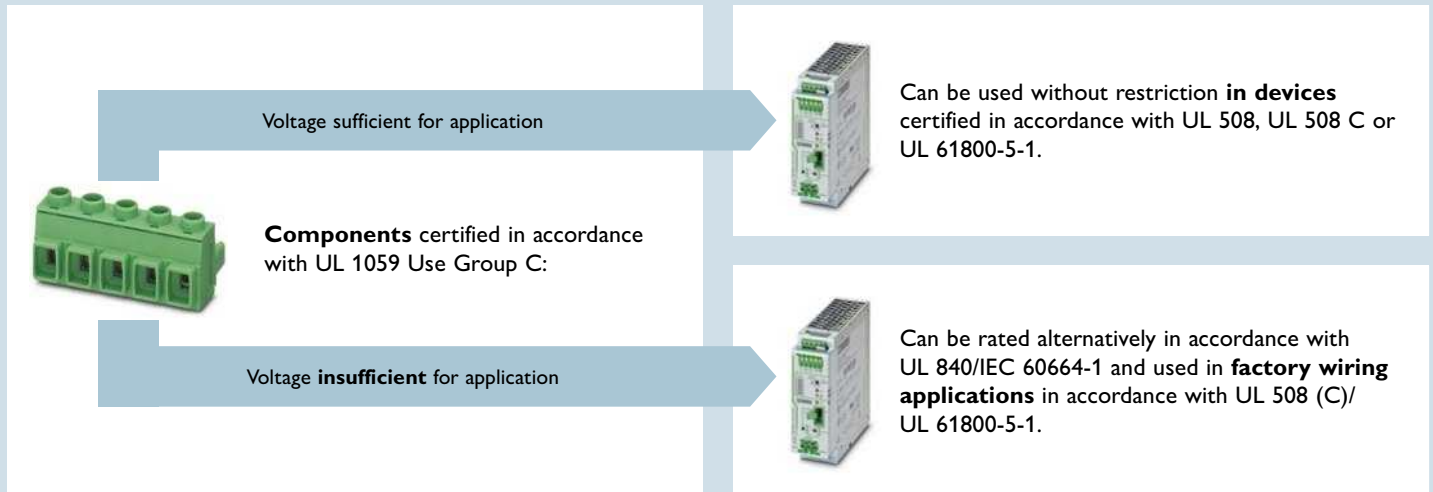


## Air clearances and creepage distances

For safety reasons, it is a requirement for all UL approvals that the stipulated air clearances and creepage distances are adhered to.

The air clearance is the shortest straight-line distance between two conductive objects through the air, while the creepage distance is the shortest distance between two conductive objects along the surface of an insulation material.

## UL certification in accordance with product and device standards



### UL 1059 "Terminal Blocks"

In order for Phoenix Contact products to be able to be used in industrial applications without restrictions, they are generally tested and recognized in accordance with UL 1059.

The following table lists the air clearances and creepage distances required for the components. The use group refers to the subsequent area of application of the end device.

| Use group | Area of application                                                                             | Max. voltage (V) | Required distances (mm)           |                   |
|-----------|-------------------------------------------------------------------------------------------------|------------------|-----------------------------------|-------------------|
|           |                                                                                                 |                  | Clearance                         | Creepage distance |
| A         | Operating elements, consoles, and similar                                                       | 150              | 12.7                              | 19.1              |
|           |                                                                                                 | 300              | 19.1                              | 31.8              |
|           |                                                                                                 | 600              | 25.4                              | 50.8              |
| B         | Conventional devices, including office and electronic data processing equipment and similar     | 150              | 1.6                               | 1.6               |
|           |                                                                                                 | 300              | 2.4                               | 2.4               |
|           |                                                                                                 | 600              | 9.5                               | 12.7              |
| C         | Industrial applications, without restrictions                                                   | 150              | 3.2                               | 6.4               |
|           |                                                                                                 | 300              | 6.4                               | 9.5               |
|           |                                                                                                 | 600              | 9.5                               | 12.7              |
| D         | Industrial applications, operating equipment with limited performance data (limited rating)     | 300              | 1.6                               | 3.2               |
|           |                                                                                                 | 600              | 4.8                               | 9.5               |
| E         | Connection technology for the power range 600–1500 V                                            | 601–1000         | 14                                | 21.6              |
|           |                                                                                                 | 1001–1500        | 17.8                              | 30.5              |
| F         | Industrial applications, equipment that has been assessed in accordance with UL 508, 508 C, 840 | 51–600           | As defined in the device standard |                   |

### UL 508 "Industrial control equipment"

Terminal blocks, which are recognized in accordance with UL 1059 Use Group C, meet the requirements of UL 508 for field wiring terminal blocks and can thus be used in accordance with this standard without restriction. In certain cases, UL 508 also permits the alternative rating in accordance with UL 840.

### UL 508 C "Power conversion equipment"

This UL standard applies specifically to power electronics (including frequency inverters). The requirements for field wiring terminal blocks are equivalent to the specifications of UL 508. Alternative rating in accordance with UL 840 is also possible here in certain cases.

### UL 61800-5-1 "Adjustable Speed Electrical Power Drive Systems - Part 5-1: Safety Requirements [...]"

UL 61800-5-1 is a new standard for power electronics. Here as well, the requirements for field wiring terminal blocks are similar to the specifications of UL 508. An alternative rating in accordance with IEC 60664-1 is possible here in certain cases.

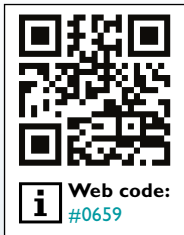
### UL 840 "Insulation coordination including air clearances and creepage distances for electrical equipment"

This standard describes an alternative procedure for designing the insulation of end products for defined ambient conditions (overvoltage category, pollution degree, material index), provided that this is permitted by the device standard.

# Connection technology with Ex approval

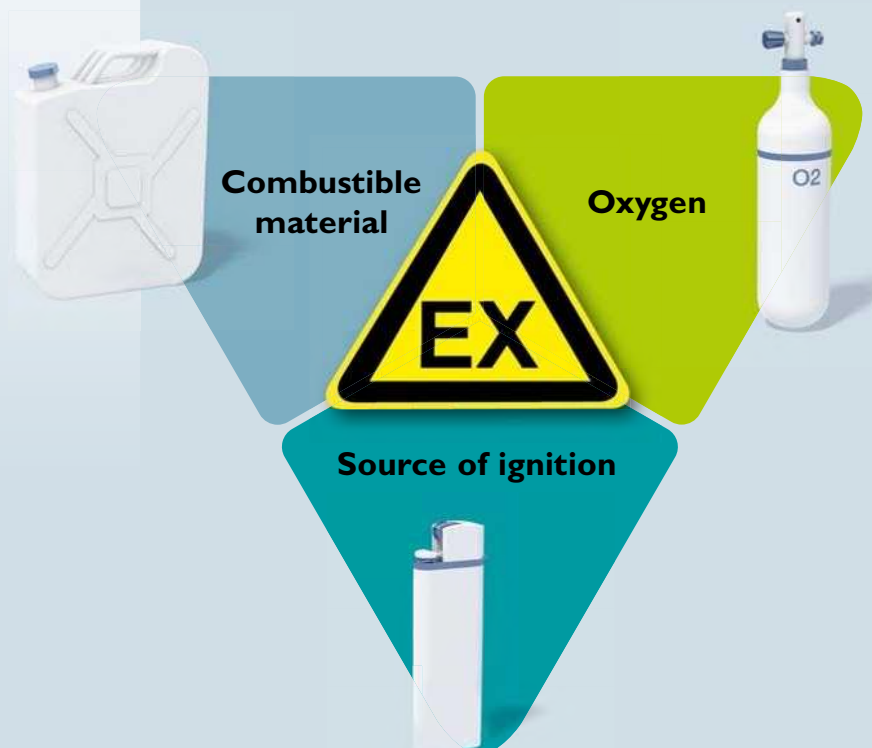
The range of PCB terminal blocks and connectors with Ex approval is specially designed for use in potentially explosive areas. As such, the range meets the requirements for use in process technology.

The items are certified in accordance with the standards IEC/EN 60079-0 and IEC/EN 60079-7, which define the requirements for electrical equipment in the "Increased safety (e)" type of protection.



## Main features

- For conductor cross sections up to 4 mm<sup>2</sup> (AWG 12)
- For currents up to 12 A and voltages up to 352 V (in accordance with EN/IEC)
- With screw, push-in and spring-cage connection
- Large selection of pitches from 5.0 mm to 7.62 mm, can also be expanded with pitch spacers
- Connectors with screw and latching flanges and Lock and Release locking
- Number of positions: 2 - 12 (can be expanded for PCB terminal blocks)
- Horizontal, vertical and angled conductor outlets
- EU examination certificate and IECEx certificate in accordance with EN/IEC 60079-0 and EN/IEC 60079-7
- Ex designation in accordance with ATEX and IECEx
- Can be used in areas with danger of gas or dust explosions

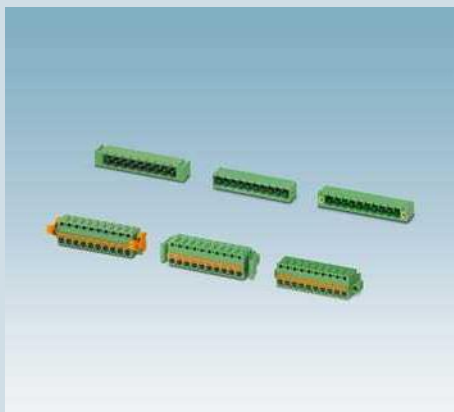


## Advantages at a glance



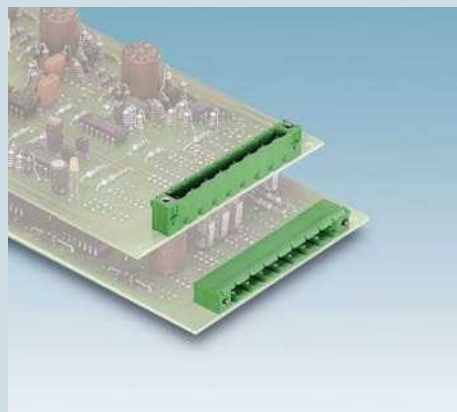
### Pluggable PCB connections

Additional contact mechanics ensure secure connectors



### Innovative interlocking devices

Screw flange, latching flange and Lock and Release locking



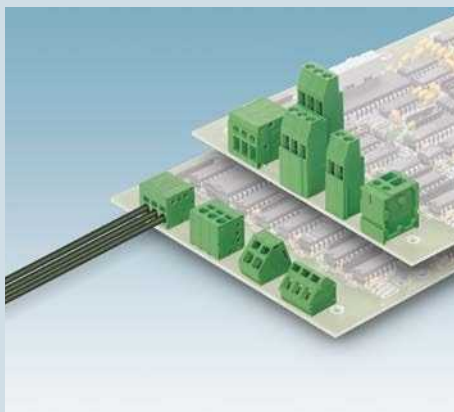
### Connectors for any mounting position

Straight and angled headers for wave soldering processes



### Increased mechanical safety

Double solder pins enable use at high mechanical loads



### Flexible device design

PCB terminal blocks with horizontal, vertical or angled conductor outlet



### Increased air clearances and creepage distances

Increased nominal voltage through partial assembly and pitch spacers

# PCB terminal blocks

## 0.5 mm<sup>2</sup> to 95 smm<sup>2</sup>

### PCB terminal blocks for conductor cross sections up to 0.5 mm<sup>2</sup> (AWG 20)

|  Web code: #0705 | Screw connection with tension sleeve |       |                     |       |                          |                            |                      |
|---------------------------------------------------------------------------------------------------|--------------------------------------|-------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                   | Product range                        | Notes | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                  | MPT 0,5                              |       | 2–12                | 2.54  | 6 IEC<br>6 UL (B)        | 160 IEC<br>125 UL (B)      | 0°                   |

|  Web code: #0706 | Push-in spring connection        |                                                                                                                    |                     |       |                               |                                     |                      |
|---------------------------------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------|-------|-------------------------------|-------------------------------------|----------------------|
|                                                                                                   | Product range                    | Notes                                                                                                              | Number of positions | Pitch | Current <sup>1</sup> (A)      | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                  | PTSM 0,5/...-H-THR               | Black, THR soldering                                                                                               | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)             | 160 IEC<br>150 UL (B)               | 0°                   |
|                | PTSM 0,5/...-V-THR               | Black, THR soldering                                                                                               | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)             | 160 IEC<br>150 UL (B)               | 90°                  |
|                | PTSM 0,5/...-H-SMD               | Black, SMT soldering                                                                                               | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)             | 160 IEC<br>150 UL (B)               | 0°                   |
|                | PTSM 0,5/...-V-SMD               | Black, SMT soldering                                                                                               | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)             | 160 IEC<br>150 UL (B)               | 90°                  |
|                | PTSM 0,5/...-H-THR               | White, THR soldering<br>Higher voltage possible<br>(IEC in accordance with II/2: 320 V)                            | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)             | 160 IEC<br>150 UL (B)               | 0°                   |
|                | PTSM 0,5/...-V-THR               | White, THR soldering<br>Higher voltage possible<br>(IEC in accordance with II/2: 320 V)                            | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)             | 160 IEC<br>150 UL (B)               | 90°                  |
|                | PTSM 0,5/...-H-SMD               | White, SMT soldering<br>Also available as 1-pos<br>Higher voltage possible<br>(IEC in accordance with II/2: 320 V) | 1–8                 | 2.5   | 6 IEC<br>5 UL (B)             | 160 IEC<br>150 UL (B)               | 0°                   |
|                | PTSM 0,5/...-V-SMD               | White, SMT soldering<br>Higher voltage possible<br>(IEC in accordance with II/2: 320 V)                            | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)             | 160 IEC<br>150 UL (B)               | 90°                  |
|                | PTSA 0,5/...-F<br>PTSA 0,5/...-Z | Front pinning<br>Zigzag pinning<br>(300 V in accordance with<br>UL Use Group B)                                    | 2–16                | 2.5   | 6 IEC<br>2 UL (B)<br>2 UL (D) | 160 IEC<br>150 UL (B)<br>300 UL (D) | 45°                  |

|  Web code: #0706 | Push-in spring connection |                                                                                     |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range             | Notes                                                                               | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1 2</sup> (V) | Connection direction |
|                 | FFKDS(A)/H                |                                                                                     | 2–12                | 2.54  | 6 IEC<br>6 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|                 | FFKDS(A)/V                |                                                                                     | 2–12                | 2.54  | 6 IEC<br>6 UL (B)        | 160 IEC<br>150 UL (B)      | 90°                  |
|                 | FK-MPT 0,5/..-H           | TWIN connection                                                                     | 2–16                | 3.5   | 4 IEC<br>4 UL (B, D)     | 250 IEC<br>300 UL (B, D)   | 0°                   |
|                 | FK-MPT 0,5/..-V           | TWIN connection,<br>in combination with IC header, can<br>also be used as connector | 2–16                | 3.5   | 4 IEC<br>4 UL (B, D)     | 250 IEC<br>300 UL (B, D)   | 90°                  |

|  Web code: #0707 | IDC displacement connection |       |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|-----------------------------|-------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range               | Notes | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1 2</sup> (V) | Connection direction |
|                 | PTQ 0,3                     |       | 2                   | 2.5   | 4 IEC<br>2 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|                 | IDC 0,3                     |       | 2–12                | 3.81  | 5 IEC<br>5 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |

## PCB terminal blocks for conductor cross sections up to 1.5 mm<sup>2</sup> (AWG 16)

|  Web code: #0708 | Screw connection with wire guard |       |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|----------------------------------|-------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                    | Notes | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1 2</sup> (V) | Connection direction |
|                 | PT 1,5/..-H                      |       | 2–16                | 3.5   | 17,5 IEC<br>10 UL (B, D) | 200 IEC<br>300 UL (B, D)   | 0°                   |
|                 | PT 1,5/..-V                      |       | 2–16                | 3.5   | 17,5 IEC<br>10 UL (B, D) | 200 IEC<br>300 UL (B, D)   | 90°                  |
|                 | PTA 1,5                          |       | 2–16                | 3.5   | 17,5 IEC<br>10 UL (B, D) | 200 IEC<br>300 UL (B, D)   | 45°                  |

|  Web code: #0709 | Screw connection with tension sleeve |                                       |                     |          |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------|---------------------|----------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                        | Notes                                 | Number of positions | Pitch    | Current <sup>1</sup> (A) | Voltage <sup>1 2</sup> (V) | Connection direction |
|                 | MKDS 1/..-HT                         | High-temperature resistant<br>plastic | 2–4                 | 3.5/3.81 | 13,5 IEC<br>10 UL (B, D) | 200 IEC<br>300 UL (B, D)   | 0°                   |
|                 | MKDS 1/..-SMD                        | SMT soldering                         | 2–12                | 3.81     | 8 IEC<br>10 UL (B, D)    | 160 IEC<br>300 UL (B, D)   | 0°                   |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB terminal blocks for conductor cross sections up to 1.5 mm<sup>2</sup> (AWG 16)

|  Web code: #0709 | Screw connection with tension sleeve |                                                        |                         |          |                                    |                                     |                      |
|---------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------------|-------------------------|----------|------------------------------------|-------------------------------------|----------------------|
|                                                                                                   | Product range                        | Notes                                                  | Number of positions     | Pitch    | Current <sup>1</sup> (A)           | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                  | MKDS 1                               |                                                        | 2–12                    | 3.5/3.81 | 13,5 IEC<br>10 UL (B, D)           | 200 IEC<br>300 UL (B, D)            | 0°                   |
|                  | SMKDS 1                              |                                                        | 2–12                    | 3.5/3.81 | 10 IEC<br>10 UL (B, D)             | 200 IEC<br>300 UL (B, D)            | 35°                  |
|                  | MKKDS 1                              |                                                        | 2–12                    | 3.5/3.81 | 8 IEC<br>10 UL (B, D)              | 200 IEC<br>300 UL (B, D)            | 0°                   |
|                  | MK3DS 1                              |                                                        | 2–12                    | 3.81     | 8 IEC<br>10 UL (B, D)              | 200 IEC<br>300 UL (B, D)            | 0°                   |
|                  | SMKDS 1,5                            |                                                        | 2/3-pos. can be aligned | 3.5      | 12 IEC<br>10 UL (B, D)             | 160 IEC<br>300 UL (B, D)            | 35°                  |
|                  | MKDSFW 1,5                           |                                                        | 2–12                    | 3.5      | 12 IEC<br>10 UL (B, D)             | 160 IEC<br>300 UL (B, D)            | 90°                  |
|                 | MKDSO 1,5/-L<br>MKDSO 1,5/-R         | Orthogonal,<br>left and right version                  | 3–5                     | 3.5      | 8 IEC<br>8 UL (B)                  | 160 IEC<br>300 UL (B)               | 0°                   |
|                | MKDSN 1,5/-HT                        | High-temperature resistant plastic, low-profile design | 2/3-pos. can be aligned | 5.0/5.08 | 13,5 IEC<br>10 UL (B, D)           | 320 IEC<br>300 UL (B, D)            | 0°                   |
|                | MKDS 1,5/-HT                         | High-temperature resistant plastic                     | 2/3-pos. can be aligned | 5.0/5.08 | 17,5 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                | MKDSN 1,5                            | Low-profile design                                     | 2/3-pos. can be aligned | 5.0/5.08 | 13,5 IEC<br>10 UL (B, D)           | 400 IEC<br>300 UL (B, D)            | 0°                   |
|                | SMKDSN 1,5                           | Low-profile design                                     | 2–16                    | 5.0/5.08 | 13,5 IEC<br>10 UL (B, D)           | 400 IEC<br>300 UL (B, D)            | 45°                  |
|                | MKKDSN 1,5                           | Low-profile design                                     | 2/3-pos. can be aligned | 5.0/5.08 | 13,5 IEC<br>10 UL (B, D)           | 400 IEC<br>300 UL (B, D)            | 0°                   |
|                | MKKDSNH 1,5                          | Tall design                                            | 2/3-pos. can be aligned | 5.08     | 13,5 IEC<br>10 UL (B, D)           | 400 IEC<br>300 UL (B, D)            | 0°                   |
|                | MK3DSN 1,5                           | Low-profile design                                     | 2/3-pos. can be aligned | 5.08     | 10 IEC<br>10 UL (B, D)             | 400 IEC<br>300 UL (B, D)            | 0°                   |
|                | MKDS 1,5                             | Also available with internal bridging and test point   | 2/3-pos. can be aligned | 5.0/5.08 | 17,5 IEC<br>15 UL (B)<br>10 UL (D) | 400 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |



Web code: #0709

## Screw connection with tension sleeve

|                                                                                     | Product range | Notes                                                                          | Number of positions     | Pitch    | Current <sup>1</sup> (A)           | Voltage <sup>1 2</sup> (V)          | Connection direction |
|-------------------------------------------------------------------------------------|---------------|--------------------------------------------------------------------------------|-------------------------|----------|------------------------------------|-------------------------------------|----------------------|
|    | SMKDSP 1,5    | With test connection                                                           | 2/3-pos. can be aligned | 5.0/5.08 | 17,5 IEC<br>15 UL (B)<br>10 UL (D) | 400 IEC<br>300 UL (B)<br>300 UL (D) | 55°                  |
|    | MKDSFW 1,5    | With stand-off                                                                 | 2/3-pos. can be aligned | 5.0      | 17,5 IEC<br>10 UL (B, D)           | 400 IEC<br>300 UL (B, D)            | 90°                  |
|    | MKKDS 1,5     |                                                                                | 2/3-pos. can be aligned | 5.0/5.08 | 17,5 IEC<br>10 UL (B, D)           | 400 IEC<br>300 UL (B, D)            | 0°                   |
|    | MK3DS 1,5     | Also available with internal bridging or without terminal block in lower level | 2/3-pos. can be aligned | 5.08     | 15 IEC<br>10 UL (B, D)             | 400 IEC<br>300 UL (B, D)            | 0°                   |
|    | MK4DS 1,5     | Also available with internal bridging or without terminal block in lower level | 2/3-pos. can be aligned | 5.08     | 15 IEC<br>10 UL (B, D)             | 400 IEC<br>300 UL (B, D)            | 0°                   |
|    | GMKDSN 1,5    | Low-profile design                                                             | 2/3-pos. can be aligned | 7.62     | 16 IEC<br>10 UL (B, D)             | 630 IEC<br>300 UL (B, D)            | 0°                   |
|    | GSMKDSN 1,5   | Low-profile design                                                             | 2–12                    | 7.62     | 16 IEC<br>10 UL (B, D)             | 630 IEC<br>300 UL (B, D)            | 45°                  |
|  | GMKDS 1,5     |                                                                                | 2/3-pos. can be aligned | 7.5/7.62 | 17,5 IEC<br>10 UL (B, D)           | 630 IEC<br>300 UL (B, D)            | 0°                   |
|  | GSMKDSP 1,5   |                                                                                | 2/3-pos. can be aligned | 7.5/7.62 | 17,5 IEC<br>10 UL (B, D)           | 630 IEC<br>300 UL (B, D)            | 55°                  |



Web code: #0710

## Push-in spring connection

|                                                                                     | Product range                    | Notes                                                             | Number of positions | Pitch    | Current <sup>1</sup> (A)           | Voltage <sup>1 2</sup> (V)          | Connection direction |
|-------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------------------------|---------------------|----------|------------------------------------|-------------------------------------|----------------------|
|  | PTSA 1,5/...-F<br>PTSA 1,5/...-Z | Front pinning<br>Zigzag pinning<br>(400 V in accordance with IEC) | 2–16                | 3.5      | 2 IEC<br>5 UL (B, D)               | 250 IEC<br>300 UL (B, D)            | 45°                  |
|  | PTDA 1,5/                        | TWIN connection                                                   | 2–16                | 3.5      | 13,5 IEC<br>12 UL (B)<br>10 UL (D) | 240 IEC<br>300 UL (B)<br>300 UL (D) | 45°                  |
|  | SPT-THR 1,5/...-H                | THR soldering, various pin lengths available                      | 2–12                | 3.5/3.81 | 13,5 IEC<br>10 UL (B, D)           | 160 IEC<br>300 UL (B, D)            | 0°                   |
|  | SPT-THR 1,5/...-V                | THR soldering, various pin lengths available                      | 2–12                | 3.5/3.81 | 13,5 IEC<br>10 UL (B, D)           | 160 IEC<br>300 UL (B, D)            | 90°                  |
|  | SPT-SMD 1,5/...-H                | SMT soldering                                                     | 2–12                | 3.5/3.81 | 13,5 IEC<br>10 UL (B, D)           | 160 IEC<br>300 UL (B, D)            | 0°                   |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB terminal blocks for conductor cross sections up to 1.5 mm<sup>2</sup> (AWG 16)

|  Web code: #0710 | Push-in spring connection |                                              |                     |          |                                 |                                     |                      |
|---------------------------------------------------------------------------------------------------|---------------------------|----------------------------------------------|---------------------|----------|---------------------------------|-------------------------------------|----------------------|
|                                                                                                   | Product range             | Notes                                        | Number of positions | Pitch    | Current <sup>1</sup> (A)        | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                  | SPT-SMD 1,5/-V            | SMT soldering                                | 2–12                | 3.5/3.81 | 13,5 IEC<br>10 UL (B, D)        | 160 IEC<br>300 UL (B, D)            | 90°                  |
|  New             | SPTAF 1/...-IL            | Integrated release button                    | 2–16                | 3.5      | 16 IEC                          | 160 IEC                             | 45°                  |
|  New             | SPTAF 1/...-EL            | Raised release button                        | 2–16                | 3.5      | 16 IEC                          | 160 IEC                             | 45°                  |
|  New             | SPTAF 1/...-LL            | Release button with locking function         | 2–16                | 3.5      | 13,5 IEC                        | 160 IEC                             | 45°                  |
|                  | SPTA 1/                   |                                              | 2–12                | 3.5      | 9 IEC<br>10 UL (B)<br>10 UL (D) | 200 IEC<br>150 UL (B)<br>300 UL (D) | 65°                  |
|                  | SPTA 1,5/                 |                                              | 2–12                | 3.81     | 9 IEC<br>10 UL (B)              | 160 IEC<br>300 UL (B)               | 45°                  |
|                  | SPTD 1,5                  |                                              | 2–12                | 3.5      | 10 IEC<br>10 UL (B)             | 200 IEC<br>150 UL (B)               | 0°                   |
|                 | SPT 1,5/...-H             |                                              | 2–12                | 3.5      | 17,5 IEC<br>10 UL (B, D)        | 200 IEC<br>300 UL (B, D)            | 0°                   |
|                | SPT 1,5/...-V             |                                              | 2–12                | 3.5      | 17,5 IEC<br>10 UL (B, D)        | 200 IEC<br>300 UL (B, D)            | 90°                  |
|                | FFKDS(A)/H                |                                              | 2–12                | 3.81     | 12 IEC<br>6 UL (B, D)           | 160 IEC<br>300 UL (B, D)            | 0°                   |
|                | FFKDS(A)/V                |                                              | 2–12                | 3.81     | 12 IEC<br>6 UL (B, D)           | 160 IEC<br>300 UL (B, D)            | 90°                  |
|                | SPT-THR 1,5/...-H         | THR soldering, various pin lengths available | 2–12                | 5.0/5.08 | 13,5 IEC<br>10 UL (B, D)        | 320 IEC<br>300 UL (B, D)            | 0°                   |
|                | SPT-THR 1,5/...-V         | THR soldering, various pin lengths available | 2–12                | 5.0/5.08 | 13,5 IEC<br>10 UL (B, D)        | 320 IEC<br>300 UL (B, D)            | 90°                  |
|                | SPT-SMD 1,5/...-H         | SMT soldering                                | 2–12                | 5.0/5.08 | 13,5 IEC<br>10 UL (B, D)        | 320 IEC<br>300 UL (B, D)            | 0°                   |
|                | SPT-SMD 1,5/...-V         | SMT soldering                                | 2–12                | 5.0/5.08 | 13,5 IEC<br>10 UL (B, D)        | 320 IEC<br>300 UL (B, D)            | 90°                  |
|  New           | SPTAF 1/...-IL            | Integrated release button                    | 2–16                | 5.0      | 16 IEC                          | 320 IEC                             | 45°                  |
|  New           | SPTAF 1/...-EL            | Raised release button                        | 2–16                | 5.0      | 16 IEC                          | 320 IEC                             | 45°                  |

|  Web code: #0710 | Push-in spring connection |                                          |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|---------------------------|------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range             | Notes                                    | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1 2</sup> (V) | Connection direction |
|                 | SPTAF 1/ ...-LL           | Release button with locking function     | 2–16                | 5.0   | 13,5 IEC                 | 320 IEC                    | 45°                  |
|                 | SPTA 1/                   |                                          | 2–12                | 5.0   | 9 IEC<br>10 UL (B, D)    | 320 IEC<br>300 UL (B, D)   | 65°                  |
|                 | SPTA 1,5/                 |                                          | 2–12                | 5.08  | 9 IEC<br>10 UL (B, D)    | 320 IEC<br>300 UL (B, D)   | 45°                  |
|                 | MFKDSP                    |                                          | 2–7                 | 5.08  | 12 IEC<br>3,6 UL (B, D)  | 320 IEC<br>300 UL (B, D)   | 45°                  |
|                 | FFKDS(A)/H                | Also available with compact lever opener | 2–12                | 5.08  | 15 IEC<br>10 UL (B, D)   | 320 IEC<br>300 UL (B, D)   | 0°                   |
|                 | FFKDS(A)/V                | Also available with compact lever opener | 2–12                | 5.08  | 15 IEC<br>10 UL (B, D)   | 320 IEC<br>300 UL (B, D)   | 90°                  |
|                 | FFKDS(A)/H                | Also available with compact lever opener | 2–12                | 7.62  | 17,5 IEC<br>10 UL (B, D) | 630 IEC<br>300 UL (B, D)   | 0°                   |
|                 | FFKDS(A)/V                | Also available with compact lever opener | 2–12                | 7.62  | 17,5 IEC<br>10 UL (B, D) | 630 IEC<br>300 UL (B, D)   | 90°                  |

|  Web code: #0711 | Spring-cage connection |                       |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|------------------------|-----------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range          | Notes                 | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1 2</sup> (V) | Connection direction |
|                 | ZFKDS(A) 1             |                       | 2–12                | 3.81  | 12 IEC<br>10 UL (B, D)   | 200 IEC<br>300 UL (B, D)   | 45°                  |
|                 | ZFKDS(A) 1-W           | With actuation rocker | 2–12                | 3.81  | 12 IEC<br>10 UL (B, D)   | 200 IEC<br>300 UL (B, D)   | 45°                  |
|                 | ZFKDS(A) 1,5C          |                       | 2–12                | 5.0   | 16 IEC<br>10 UL (B, D)   | 400 IEC<br>300 UL (B, D)   | 45°                  |
|                 | ZFKDS(A) 1,5-W         | With actuation rocker | 2–12                | 5.08  | 16 IEC                   | 400 IEC                    | 45°                  |
|                 | ZFKKDS(A) 1,5C         |                       | 2–12                | 5.0   | 16 IEC<br>10 UL (B, D)   | 400 IEC<br>300 UL (B, D)   | 45°                  |
|                 | ZFK3DS(A) 1,5          |                       | 2–12                | 5.08  | 12 IEC<br>10 UL (B, D)   | 400 IEC<br>300 UL (B, D)   | 45°                  |
|                 | ZFK4DS(A) 1,5          |                       | 2–12                | 5.08  | 12 IEC<br>10 UL (B, D)   | 400 IEC<br>300 UL (B, D)   | 45°                  |
|                  | ZFKDS(A) 1,5C-EX       |                       | 2–12                | 5.0   | 16 IEC                   | 176 IEC                    | 45°                  |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB terminal blocks for conductor cross sections up to 2.5 mm<sup>2</sup> (AWG 14)

|  Web code: #0712 | Screw connection with wire guard |       |                     |       |                                    |                                     |                      |
|---------------------------------------------------------------------------------------------------|----------------------------------|-------|---------------------|-------|------------------------------------|-------------------------------------|----------------------|
|                                                                                                   | Product range                    | Notes | Number of positions | Pitch | Current <sup>1</sup> (A)           | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                  | PT 1,5/...-H                     |       | 2–16                | 5.0   | 17,5 IEC<br>18 UL (B)<br>10 UL (D) | 400 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                  | PT 1,5/...-V                     |       | 2–16                | 5.0   | 17,5 IEC<br>18 UL (B)<br>10 UL (D) | 400 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|                  | PTA 1,5                          |       | 2–16                | 5.0   | 17,5 IEC<br>15 UL (B)<br>10 UL (D) | 400 IEC<br>300 UL (B)<br>300 UL (D) | 45°                  |

|  Web code: #0713 | Screw connection with tension sleeve |                                                      |                         |          |                                    |                                     |                      |
|---------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------|-------------------------|----------|------------------------------------|-------------------------------------|----------------------|
|                                                                                                   | Product range                        | Notes                                                | Number of positions     | Pitch    | Current <sup>1</sup> (A)           | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                  | MKDN 2,5/...-HT                      | High-temperature resistant plastic                   | 2/3-pos. can be aligned | 5.0/5.08 | 16 IEC<br>20 UL (B)<br>10 UL (D)   | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                  | MKDS 3/...-HT                        | High-temperature resistant plastic                   | 2/3-pos. can be aligned | 5.0/5.08 | 24 IEC<br>15 UL (B)<br>10 UL (D)   | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                  | MKDSN 2,5                            | Low-profile design                                   | 2/3-pos. can be aligned | 5.0/5.08 | 16 IEC<br>20 UL (B)<br>10 UL (D)   | 400 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                 | SMKDS 2,5                            |                                                      | 2/3-pos. can be aligned | 5.08     | 20 IEC<br>15 UL (B)<br>10 UL (D)   | 400 IEC<br>300 UL (B)<br>300 UL (D) | 50°                  |
|                | MKDS 3                               | Also available with internal bridging and test point | 2/3-pos. can be aligned | 5.0/5.08 | 24 IEC<br>15 UL (B)<br>10 UL (D)   | 400 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                | SMKDS 3                              |                                                      | 2/3-pos. can be aligned | 5.0/5.08 | 24 IEC<br>15 UL (B)<br>10 UL (D)   | 400 IEC<br>300 UL (B)<br>300 UL (D) | 55°                  |
|                | MKDSFW 3                             | With stand-off                                       | 2/3-pos. can be aligned | 5.0      | 24 IEC<br>16 UL (B)<br>10 UL (D)   | 400 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|                | MKDSF 3                              |                                                      | 2/3-pos. can be aligned | 5.0/5.08 | 24 IEC<br>15 UL (B)<br>10 UL (D)   | 400 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|                | MKKDS 3                              | With offset level                                    | 2/3-pos. can be aligned | 5.0/5.08 | 22 IEC<br>15 UL (B)<br>10 UL (B)   | 400 IEC<br>300 UL (B)<br>300 UL (B) | 0°                   |
|                | MKKDSG 3                             | Without offset level                                 | 2/3-pos. can be aligned | 5.0      | 17,5 IEC<br>10 UL (B, D)           | 400 IEC<br>300 UL (B, D)            | 0°                   |
|                | MKKDSH 3                             | Tall design                                          | 2/3-pos. can be aligned | 5.0      | 24 IEC<br>15 UL (B)<br>10 UL (C)   | 400 IEC<br>300 UL (B)<br>300 UL (C) | 0°                   |
|                | MK3DS 3                              |                                                      | 2/3-pos. can be aligned | 5.08     | 17,5 IEC<br>20 UL (B)<br>10 UL (D) | 400 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                | MK3DSH 3                             | Tall design                                          | 2/3-pos. can be aligned | 5.08     | 24 IEC<br>15 UL (B)<br>10 UL (D)   | 400 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |

**i** Web code: #0713

#### Screw connection with tension sleeve

|                                                                                     | Product range                            | Notes                                                                       | Number of positions     | Pitch    | Current <sup>1</sup> (A)           | Voltage <sup>1 2</sup> (V)             | Connection direction |
|-------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------------------------------|-------------------------|----------|------------------------------------|----------------------------------------|----------------------|
|    | MK3DSMH 3                                |                                                                             | 2/3-pos. can be aligned | 5.08     | 22 IEC<br>15 UL (B)<br>10 UL (D)   | 400 IEC<br>300 UL (B)<br>300 UL (D)    | 0°                   |
|    | MKDSO 2,5/...-L<br>MKDSO 2,5/...-R       | Orthogonal,<br>left and right version                                       | 2–4                     | 5.0      | 24 IEC<br>20 UL (B)<br>10 UL (D)   | 400 IEC<br>300 UL (B)<br>300 UL (D)    | 0°                   |
|    | MKKDSH 3-EX                              |                                                                             | 2/3-pos. can be aligned | 5.0      | 20 IEC                             | 176 IEC                                | 0°                   |
|    | MK3DSH 3-EX                              |                                                                             | 2/3-pos. can be aligned | 5.08     | 20 IEC                             | 176 IEC                                | 0°                   |
|    | MK3DSMH 3-EX                             |                                                                             | 2/3-pos. can be aligned | 5.08     | 19 IEC                             | 176 IEC                                | 0°                   |
|    | KDS 2,5                                  |                                                                             | 1 pos. can be aligned   | 5.0      | 24 IEC<br>15 UL (B)<br>10 UL (D)   | 400 IEC<br>300 UL (B)<br>300 UL (D)    | 0                    |
|    | KDS 3-MT                                 | Disconnect terminal block with test socket                                  | 1 pos. can be aligned   | 5.08     | 15 IEC<br>15 UL (B)<br>10 UL (D)   | 320 IEC<br>300 UL (B)<br>300 UL (D)    | 0°                   |
|  | KDS 3-PMT                                | Disconnect terminal block with test point on both sides of disconnect point | 1 pos. can be aligned   | 5.08     | 13,5 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D)    | 0                    |
|  | GMKDS 3                                  | Also available with test point                                              | 2/3-pos. can be aligned | 7.5/7.62 | 24 IEC<br>15 UL (B)<br>10 UL (D)   | 630 IEC<br>300 UL (B)<br>300 UL (D)    | 0°                   |
|  | GSMKDS 3                                 |                                                                             | 2/3-pos. can be aligned | 7.5/7.62 | 24 IEC<br>15 UL (B)<br>10 UL (D)   | 630 IEC<br>300 UL (B)<br>300 UL (D)    | 55°                  |
|  | MKDSO 2,5/...-L HV<br>MKDSO 2,5/...-R HV | Orthogonal,<br>left and right version                                       | 2–3                     | 7.5      | 24 IEC<br>20 UL (B, C)<br>5 UL (D) | 630 IEC<br>300 UL (B, C)<br>600 UL (D) | 0°                   |

**i** Web code: #0714

#### Front screw connection

|                                                                                     | Product range  | Notes                                    | Number of positions | Pitch | Current <sup>1</sup> (A)         | Voltage <sup>1 2</sup> (V)          | Connection direction |
|-------------------------------------------------------------------------------------|----------------|------------------------------------------|---------------------|-------|----------------------------------|-------------------------------------|----------------------|
|  | FRONT 2,5-H    | Different solder pin distances available | 2–12                | 5.0   | 24 IEC<br>20 UL (B)<br>10 UL (D) | 400 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|  | FRONT 2,5-V    | Different solder pin distances available | 2–12                | 5.0   | 24 IEC<br>20 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|   | FRONT 2,5-H-EX | Different solder pin distances available | 2–12                | 5.0   | 20 IEC                           | 176 IEC                             | 0                    |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB terminal blocks for conductor cross sections up to 2.5 mm<sup>2</sup> (AWG 14)

|  Web code: #0714                                                                   | Front screw connection |                                          |                     |       |                          |                            |                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                                                                                     | Product range          | Notes                                    | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|   | FRONT 2,5-V-EX         | Different solder pin distances available | 2–12                | 5.0   | 20 IEC                   | 176 IEC                    | 90°                  |

|  Web code: #0715                                                                       | Push-in spring connection            |                                       |                     |       |                                  |                                     |                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------|---------------------|-------|----------------------------------|-------------------------------------|----------------------|
|                                                                                                                                                                         | Product range                        | Notes                                 | Number of positions | Pitch | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                                                                                        | PTS 1,5/...-H                        |                                       | 2–12                | 5.0   | 12 IEC<br>10 UL (B, D)           | 400 IEC<br>300 UL (B, D)            | 0°                   |
|                                                                                        | PTDA 2,5/                            | TWIN connection                       | 2–16                | 5.0   | 24 IEC<br>20 UL (B)<br>10 UL (D) | 400 IEC<br>300 UL (B)<br>300 UL (D) | 45°                  |
|                                                                                        | SPT 2,5/...-H                        |                                       | 2–12                | 5.0   | 24 IEC<br>20 UL (B)<br>10 UL (D) | 400 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                                                                                        | SPT 2,5/...-V                        |                                       | 2–12                | 5.0   | 24 IEC<br>20 UL (B)<br>10 UL (D) | 400 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|       | SPT 2,5/...-H-EX                     |                                       | 2–12                | 5.0   | 23 IEC                           | 176 IEC                             | 0°                   |
|   | SPT 2,5/...-V-EX                     |                                       | 2–12                | 5.0   | 23 IEC                           | 176 IEC                             | 90°                  |
|                                                                                      | FKDSO 2,5/...-L<br>FKDSO 2,5/...-R   | Orthogonal,<br>left and right version | 2–4                 | 5.0   | 22 IEC<br>10 UL (B, D)           | 250 IEC<br>300 UL (B, D)            | 0°                   |
|   | FKDSO 2,5/...-L1<br>FKDSO 2,5/...-R1 | Orthogonal,<br>left and right version | 1–4                 | 5.0   | 20 IEC<br>20 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B, D)            | 0°                   |
|                                                                                      | PTS 1,5/...-H                        |                                       | 2–12                | 7.5   | 12 IEC<br>10 UL (B, D)           | 630 IEC<br>300 UL (B, D)            | 0°                   |

|  Web code: #0716                                                                     | Spring-cage connection |                                    |                     |       |                          |                            |                      |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                                                                                         | Product range          | Notes                              | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                                                                                      | ZFKDS 2,5-THT          | High-temperature resistant plastic | 2–12                | 5.08  | 24 IEC<br>10 UL (B, D)   | 320 IEC<br>300 UL (B, D)   | 45°                  |
|                                                                                      | ZFKDS(A) 2,5           |                                    | 2–12                | 5.08  | 24 IEC<br>10 UL (B, D)   | 400 IEC<br>300 UL (B, D)   | 45°                  |
|   | ZFKDS(A) 2,5-EX        |                                    | 2–12                | 5.08  | 22 IEC                   | 137 IEC                    | 45°                  |
|                                                                                      | ZFKKDS(A) 2,5          |                                    | 2–12                | 5.08  | 17,5 IEC<br>10 UL (B, D) | 400 IEC<br>300 UL (B, D)   | 45°                  |

## PCB terminal blocks for conductor cross sections up to 4 mm<sup>2</sup> (AWG 12)

|  Web code: #0717 | Screw connection with wire guard |       |                     |       |                                               |                                                   |                      |
|--------------------------------------------------------------------------------------------------|----------------------------------|-------|---------------------|-------|-----------------------------------------------|---------------------------------------------------|----------------------|
|                                                                                                  | Product range                    | Notes | Number of positions | Pitch | Current <sup>1</sup> (A)                      | Voltage <sup>1,2</sup> (V)                        | Connection direction |
|                 | PT 2,5/...-H                     |       | 2–16                | 5.0   | 32 IEC<br>20 UL (B)<br>10 UL (D)              | 400 IEC<br>300 UL (B)<br>300 UL (D)               | 0°                   |
|                 | PT 2,5/...-V                     |       | 2–16                | 5.0   | 32 IEC<br>20 UL (B)<br>10 UL (D)              | 400 IEC<br>300 UL (B)<br>300 UL (D)               | 90°                  |
|                 | PT 2,5/...-H                     |       | 2–16                | 7.5   | 32 IEC<br>20 UL (B)<br>20 UL (C)<br>10 UL (D) | 800 IEC<br>300 UL (B)<br>150 UL (C)<br>300 UL (D) | 0°                   |
|                 | PT 2,5/...-V                     |       | 2–16                | 7.5   | 32 IEC<br>20 UL (B)<br>20 UL (C)<br>10 UL (D) | 800 IEC<br>300 UL (B)<br>150 UL (C)<br>300 UL (D) | 90°                  |

|  Web code: #0718 | Screw connection with tension sleeve |                                                                                |                       |       |                                  |                                     |                      |
|--------------------------------------------------------------------------------------------------|--------------------------------------|--------------------------------------------------------------------------------|-----------------------|-------|----------------------------------|-------------------------------------|----------------------|
|                                                                                                  | Product range                        | Notes                                                                          | Number of positions   | Pitch | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                 | KDS 4                                | Through wiring with separate outlet to the PCB, also available with test point | 1 pos. can be aligned | 7.5   | 41 IEC<br>30 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |

## PCB terminal blocks for conductor cross sections up to 6 mm<sup>2</sup> (AWG 10)

|  Web code: #0719 | Screw connection with tension sleeve |                                                                                    |                         |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------------------------------------------------------|-------------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                        | Notes                                                                              | Number of positions     | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | MKDS(V) 5                            | Available with and without anti-rotation pins                                      | 2/3-pos. can be aligned | 6.35  | 32 IEC<br>30 UL (B)      | 630 IEC<br>300 UL (B)      | 0°                   |
|                 | SMKDS 5                              |                                                                                    | 2/3-pos. can be aligned | 6.35  | 32 IEC<br>30 UL (B)      | 630 IEC<br>300 UL (B)      | 35°                  |
|                 | MKKDS 5                              |                                                                                    | 2/3-pos. can be aligned | 6.35  | 32 IEC<br>30 UL (B)      | 630 IEC<br>300 UL (B)      | 0°                   |
|                 | MKDS 5 N HV                          | With zigzag pinning for 600 V UL                                                   | 2–12                    | 6.35  | 41 IEC<br>30 UL (C)      | 1000 IEC<br>600 UL (C)     | 0°                   |
|                 | MKDS(V) 5                            | Available with and without anti-rotation pins                                      | 2/3-pos. can be aligned | 7.62  | 32 IEC<br>30 UL (B)      | 630 IEC<br>300 UL (B)      | 0°                   |
|                 | MKDS(V) 5/...-9,5                    | Available with and without anti-rotation pins, also in zigzag pinning for 600 V UL | 2/3-pos. can be aligned | 9.52  | 32 IEC<br>30 UL (B)      | 1000 IEC<br>300 UL (B)     | 0°                   |
|                 | SMKDS 5/...-9,5                      |                                                                                    | 2/3-pos. can be aligned | 9.52  | 32 IEC<br>30 UL (C)      | 1000 IEC<br>300 UL (C)     | 35°                  |
|                 | MKKDS 5/...-9,5                      |                                                                                    | 2/3-pos. can be aligned | 9.52  | 32 IEC<br>30 UL (C)      | 1000 IEC<br>300 UL (C)     | 0°                   |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB terminal blocks for conductor cross sections up to 6 mm² (AWG 10)

|                                                                                                                        |                                                                                                |                                                              |                     |              |                     |                                                |                      |
|------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------|--------------|---------------------|------------------------------------------------|----------------------|
| <b>i</b> Web code: #0720                                                                                               | Front screw connection                                                                         |                                                              |                     |              |                     |                                                |                      |
|                                                                                                                        | Product range                                                                                  | Notes                                                        | Number of positions | Pitch        | Current¹ (A)        | Voltage¹² (V)                                  | Connection direction |
|                                                                                                                        | <br>FRONT 4-H |                                                              | 1–9                 | 6.35<br>7.62 | 32 IEC<br>30 UL (B) | 320 IEC<br>300 UL (B)<br>630 IEC<br>300 UL (B) | 0°                   |
| <br>FRONT 4-V                         |                                                                                                |                                                              | 1–9                 | 6.35<br>7.62 | 32 IEC<br>30 UL (B) | 320 IEC<br>300 UL (B)<br>630 IEC<br>300 UL (B) | 90°                  |
| <b>i</b> Web code: #0721                                                                                               | Push-in spring connection                                                                      |                                                              |                     |              |                     |                                                |                      |
|                                                                                                                        | Product range                                                                                  | Notes                                                        | Number of positions | Pitch        | Current¹ (A)        | Voltage¹² (V)                                  | Connection direction |
|                                                                                                                        | <br>SPT 5/-H  |                                                              | 1–12                | 7.5          | 41 IEC<br>36 UL (C) | 1000 IEC<br>600 UL (C)                         | 0°                   |
|                                                                                                                        | <br>SPT 5/-V  |                                                              | 1–12                | 7.5          | 41 IEC<br>36 UL (C) | 1000 IEC<br>600 UL (C)                         | 90°                  |
|                                                                                                                        | <br>SPTA 5    | Bridgeable                                                   | 1–12                | 7.5          | 41 IEC<br>33 UL (C) | 1000 IEC<br>600 UL (C)                         | 60°                  |
| <b>i</b> Web code: #0722                                                                                               | Spring-cage connection                                                                         |                                                              |                     |              |                     |                                                |                      |
|                                                                                                                        | Product range                                                                                  | Notes                                                        | Number of positions | Pitch        | Current¹ (A)        | Voltage¹² (V)                                  | Connection direction |
| <br>ZFKDS(A) 4-7,5<br>ZFKDS(A) 4-10 |                                                                                                | Bridgeable                                                   | 1–9                 | 7.5<br>10    | 32 IEC<br>30 UL (C) | 630 IEC<br>150 UL (C)<br>630 IEC<br>300 UL (C) | 45°                  |
| <b>i</b> Web code: #0723                                                                                               | Push-lock spring connection                                                                    |                                                              |                     |              |                     |                                                |                      |
|                                                                                                                        | Product range                                                                                  | Notes                                                        | Number of positions | Pitch        | Current¹ (A)        | Voltage¹² (V)                                  | Connection direction |
|                                                                                                                        | <br>PLH 5   |                                                              | 1–12                | 7.5          | 41 IEC<br>27 UL (C) | 1000 IEC<br>600 UL (C)                         | 0°                   |
| <br>PLA 5                           |                                                                                                |                                                              | 1–12                | 7.5          | 41 IEC<br>27 UL (C) | 1000 IEC<br>600 UL (C)                         | 45°                  |
| <b>i</b> Web code: #0724                                                                                               | Special spring connection design                                                               |                                                              |                     |              |                     |                                                |                      |
|                                                                                                                        | Product range                                                                                  | Notes                                                        | Number of positions | Pitch        | Current¹ (A)        | Voltage¹² (V)                                  | Connection direction |
|                                                                                                                        | <br>PTSPL 6 | Without insulating housing<br>With Sunclix spring connection | 1                   |              | 41 IEC<br>30 UL     | -                                              | 0°                   |
| <br>PT-SG                           |                                                                                                | Without insulating housing<br>With grapple spring connection | 1                   |              | 41 IEC              | -                                              | -90°                 |

## PCB terminal blocks for conductor cross sections up to 16 mm<sup>2</sup> (AWG 6)

|  Web code: #0725 | Screw connection with tension sleeve |                                  |                         |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------|-------------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                        | Notes                            | Number of positions     | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | MKDS 10 HV                           | With zigzag pinning for 600 V UL | 1–12                    | 10.16 | 76 IEC<br>60 UL (C)      | 1000 IEC<br>600 UL (C)     | 0°                   |
|                 | MKDSP 10N                            |                                  | 2/3-pos. can be aligned | 10.16 | 76 IEC<br>60 UL (C)      | 1000 IEC<br>300 UL (C)     | 0°                   |
|                 | MKDSP 10HV                           |                                  | 2/3-pos. can be aligned | 12.7  | 76 IEC<br>60 UL (C)      | 1000 IEC<br>600 UL (C)     | 0°                   |

|  Web code: #0726 | Screw connection  |                                                                               |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range     | Notes                                                                         | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | KDS10<br>KDS10/SO | Feed-through terminal block with soldering pins available in series or offset | 1–9                 | 10    | 76 IEC<br>65 UL (C)      | 320 IEC<br>300 UL (C)      | 0°                   |
|                 | KDS10-PE          | Feed-through terminal block with soldering pins available in series or offset | 1–9                 | 10    | 76 IEC                   | 320 IEC                    | 0°                   |

|  Web code: #0727 | Push-in spring connection |            |                     |       |                          |                            |                      |
|---------------------------------------------------------------------------------------------------|---------------------------|------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                   | Product range             | Notes      | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                | SPT 16/...-H              |            | 1–9                 | 10    | 76 IEC<br>66 UL (C)      | 1000 IEC<br>600 UL (C)     | 0°                   |
|                | SPT 16/...-V              |            | 1–9                 | 10    | 76 IEC<br>66 UL (C)      | 1000 IEC<br>600 UL (C)     | 90°                  |
|                | SPTA 16                   | Bridgeable | 2–9                 | 10    | 76 IEC<br>51 UL (C)      | 1000 IEC<br>600 UL (C)     | 30°                  |

|  Web code: #0728 | Spring-cage connection                 |            |                     |          |                          |                                                 |                      |
|----------------------------------------------------------------------------------------------------|----------------------------------------|------------|---------------------|----------|--------------------------|-------------------------------------------------|----------------------|
|                                                                                                    | Product range                          | Notes      | Number of positions | Pitch    | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V)                      | Connection direction |
|                 | ZFKDS(A) 10-10,00<br>ZFKDS(A) 10-15,00 | Bridgeable | 1–9                 | 10<br>15 | 76 IEC<br>65 UL (C)      | 400 IEC<br>150 UL (C)<br>1000 IEC<br>600 UL (C) | 45°                  |

|  Web code: #0729 | Push-lock spring connection |                                               |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|-----------------------------|-----------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range               | Notes                                         | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | PLH 16/...-10               | Also available in zigzag pinning for 600 V UL | 1–8                 | 10    | 76 IEC<br>51 UL (C)      | 1000 IEC<br>300 UL (C)     | 0°                   |
|                 | PLH 16/...-15               |                                               | 2–8                 | 15    | 76 IEC<br>66 UL (C)      | 1000 IEC<br>600 UL (C)     | 0°                   |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB terminal blocks for conductor cross sections up to 35 mm<sup>2</sup> (AWG 2)

|  Web code: #0730 | Screw connection with tension sleeve |                                   |                     |       |                          |                            |                      |
|---------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                   | Product range                        | Notes                             | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                  | MKDSP 25<br>MKDSP 25/...-F           | Available with and without flange | 1–9                 | 15    | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 0°                   |

|  Web code: #0731 | Push-in spring connection |       |                     |       |                          |                            |                      |
|---------------------------------------------------------------------------------------------------|---------------------------|-------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                   | Product range             | Notes | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                  | SPT 35/...-V              |       | 1–5                 | 15    | 125 IEC<br>101 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 90°                  |

## PCB terminal blocks for conductor cross sections up to 70 mm<sup>2</sup> (AWG 2/0)

|  Web code: #0732 | Screw connection with tension sleeve |                                   |                     |       |                          |                            |                      |
|---------------------------------------------------------------------------------------------------|--------------------------------------|-----------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                   | Product range                        | Notes                             | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                  | MKDSP 50<br>MKDSP 50/...-F           | Available with and without flange | 1–5                 | 17.5  | 192 IEC<br>160 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 0°                   |

## PCB terminal blocks for conductor cross sections up to 95 mm<sup>2</sup> (AWG 3/0)

|  Web code: #0733 | Screw connection with tension sleeve |       |                     |       |                          |                            |                      |
|-----------------------------------------------------------------------------------------------------|--------------------------------------|-------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                     | Product range                        | Notes | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                  | MKDSP 95/...-F                       |       | 1–5                 | 20    | 232 IEC<br>200 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 0°                   |



# PCB connectors

## 0.5 mm<sup>2</sup> to 35 mm<sup>2</sup>

### PCB connectors for conductor cross sections up to 0.5 mm<sup>2</sup> (AWG 20)

|  <b>Web code: #0734</b>   | Plugs: push-in spring connection, female            |                                                                                       |                     |       |                          |                            |                      |
|------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                            | Product range                                       | Notes                                                                                 | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                           | FMC 0,5/...-ST                                      | Gold-plated contact system                                                            | 2–16                | 2.54  | 6 IEC<br>6 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|  <b>Web code: #0735</b>   | Headers: THR soldering, male                        |                                                                                       |                     |       |                          |                            |                      |
|                                                                                                            | Product range                                       | Notes                                                                                 | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                           | MC 0,5/...-G-THR                                    | Lateral THR armature, gold-plated contact system                                      | 2–16                | 2.54  | 6 IEC<br>6 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|                           | MCV 0,5/...-G-THR                                   | Lateral THR armature, gold-plated contact system                                      | 2–16                | 2.54  | 6 IEC<br>6 UL (B)        | 160 IEC<br>150 UL (B)      | 90°                  |
|  <b>Web code: #0736</b>   | Headers: SMT soldering, male                        |                                                                                       |                     |       |                          |                            |                      |
|                                                                                                            | Product range                                       | Notes                                                                                 | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                          | MC 0,5/...-G-SMD                                    | Lateral THR armature, gold-plated contact system                                      | 2–16                | 2.54  | 6 IEC<br>6 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|                         | MCV 0,5/...-G-SMD                                   | Lateral THR armature, gold-plated contact system                                      | 2–16                | 2.54  | 6 IEC<br>6 UL (B)        | 160 IEC<br>150 UL (B)      | 90°                  |
|  <b>Web code: #1171</b> | Double-row plugs: push-in spring connection, female |                                                                                       |                     |       |                          |                            |                      |
|                                                                                                            | Product range                                       | Notes                                                                                 | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                         | DFMC 0,5/...-ST                                     | Double-row, gold-plated contact system                                                | 2–16                | 2.54  | 6 IEC<br>6 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|  <b>Web code: #1172</b> | Double-row headers: THR soldering, male             |                                                                                       |                     |       |                          |                            |                      |
|                                                                                                            | Product range                                       | Notes                                                                                 | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                         | DMC 0,5/...-G1-THR                                  | Double-row, gold-plated contact system, lateral THR armature, integrated THR armature | 2–3<br>4–16         | 2.54  | 6 IEC<br>6 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|                         | DMCV 0,5/...-G1-THR                                 | Double-row, gold-plated contact system, lateral THR armature, integrated THR armature | 2–3<br>4–16         | 2.54  | 6 IEC<br>6 UL (B)        | 160 IEC<br>150 UL (B)      | 90°                  |
|  <b>Web code: #1173</b> | Double-row headers: SMD soldering, male             |                                                                                       |                     |       |                          |                            |                      |
|                                                                                                            | Product range                                       | Notes                                                                                 | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                         | DMC 0,5/...-G1-SMD                                  | Double-row, gold-plated contact system, lateral THR armature, integrated THR armature | 2–3<br>4–16         | 2.54  | 6 IEC<br>6 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|                         | DMCV 0,5/...-G1-SMD                                 | Double-row, gold-plated contact system, lateral THR armature, integrated THR armature | 2–3<br>4–16         | 2.54  | 6 IEC<br>6 UL (B)        | 160 IEC<br>150 UL (B)      | 90°                  |

|  Web code: #0737 | Plugs: push-in spring connection, female |                      |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|------------------------------------------|----------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                            | Notes                | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | FK-MC 0,5/...-ST                         | With test connection | 2–12                | 2.5   | 4 IEC<br>4 UL (B)        | 160 IEC<br>125 UL (B)      | 0°                   |

|  Web code: #0738 | Headers: wave soldering, male |            |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|-------------------------------|------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                 | Notes      | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | MC 0,5/...-G                  |            | 2–12                | 2.5   | 4 IEC<br>4 UL (B)        | 160 IEC<br>125 UL (B)      | 0°                   |
|                 | MCV 0,5/...-G                 |            | 2–12                | 2.5   | 4 IEC<br>4 UL (B)        | 160 IEC<br>125 UL (B)      | 90°                  |
|                 | MCD 0,5/...-G1                | Double-row | 2–12                | 2.5   | 4 IEC<br>4 UL (B)        | 160 IEC<br>125 UL (B)      | 0°                   |
|                 | MCDV 0,5/...-G1               | Double-row | 2–12                | 2.5   | 4 IEC<br>4 UL (B)        | 160 IEC<br>125 UL (B)      | 90°                  |

|  Web code: #0739 | Plugs: push-in spring connection, female |                                                                                          |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                            | Notes                                                                                    | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | PTSM 0,5/...-P                           | Black                                                                                    | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|                | PTSM 0,5/...-P                           | White,<br>higher voltage possible<br>(IEC in accordance with II/2: 320 V)                | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|  New          | PTSM 0,5/...-PL                          | White, with latching,<br>higher voltage possible<br>(IEC in accordance with II/2: 320 V) | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |

|  Web code: #0740 | Inverted plugs: push-in spring connection, male |                                                                           |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------|---------------------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                                   | Notes                                                                     | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  New            | PTSM 0,5/...-PI                                 | White,<br>higher voltage possible<br>(IEC in accordance with II/2: 320 V) | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |

|  Web code: #0741 | Headers: THR soldering, male |                                                                           |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                | Notes                                                                     | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | PTSM 0,5/...-HH-THR          | Black                                                                     | 2–10                | 2.5   | 6 IEC<br>5 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|                 | PTSM 0,5/...-HV-THR          | Black                                                                     | 2–10                | 2.5   | 6 IEC<br>5 UL (B)        | 160 IEC<br>150 UL (B)      | 90°                  |
|                 | PTSM 0,5/...-HH-THR          | White,<br>higher voltage possible<br>(IEC in accordance with II/2: 320 V) | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|                 | PTSM 0,5/...-HV-THR          | White,<br>higher voltage possible<br>(IEC in accordance with II/2: 320 V) | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)        | 160 IEC<br>150 UL (B)      | 90°                  |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB connectors for conductor cross sections up to 0.5 mm<sup>2</sup> (AWG 20)

| i Web code: #0742                                                                 | Inverted headers: THR soldering, female |                                                                           |                     |       |                          |                            |                      |
|-----------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                   | Product range                           | Notes                                                                     | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | PTSM 0,5/...HHI-THR                     | Black                                                                     | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|  | PTSM 0,5/...HHI-THR                     | White,<br>higher voltage possible<br>(IEC in accordance with II/2: 320 V) | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |

| i Web code: #0743                                                                 | Headers: SMT soldering, male |                                                                           |                     |       |                          |                            |                      |
|-----------------------------------------------------------------------------------|------------------------------|---------------------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                   | Product range                | Notes                                                                     | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | PTSM 0,5/...HH-SMD           | Black                                                                     | 2–10                | 2.5   | 6 IEC<br>5 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|  | PTSM 0,5/...HH-SMD           | White,<br>higher voltage possible<br>(IEC in accordance with II/2: 320 V) | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|  | PTSM 0,5/...HV-SMD           | White,<br>higher voltage possible<br>(IEC in accordance with II/2: 320 V) | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)        | 160 IEC<br>150 UL (B)      | 90°                  |
|  | PTSM 0,5/...HTB-SMD          | White,<br>higher voltage possible<br>(IEC in accordance with II/2: 320 V) | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)        | 160 IEC<br>150 UL (B)      | -90°                 |

| i Web code: #0744                                                                   | Inverted headers: SMT soldering, female |                                                                           |                     |       |                          |                            |                      |
|-------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                     | Product range                           | Notes                                                                     | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | PTSM 0,5/...HHI-SMD                     | Black                                                                     | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|  | PTSM 0,5/...HHI-SMD                     | White,<br>higher voltage possible<br>(IEC in accordance with II/2: 320 V) | 2–8                 | 2.5   | 6 IEC<br>5 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |

| i Web code: #0745                                                                   | Direct connectors for flexible PCBs |                                                   |                     |       |                          |                            |                      |
|-------------------------------------------------------------------------------------|-------------------------------------|---------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                     | Product range                       | Notes                                             | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | PTF 0,3/...VVB                      | Plugs for 8 and 10 mm wide, flexible PCBs         | 2–4                 |       | 10 IEC<br>5 UL 1977      | 24 IEC<br>60 UL 1977       | 0°                   |
|  | PTF 0,3/...BB                       | PCB connectors for 8 and 10 mm wide flexible PCBs | 2–4                 |       | 10 IEC<br>5 UL 1977      | 24 IEC<br>60 UL 1977       | 0°                   |
|  | PTF 0,3/...FLEX                     | Connection PCBs                                   | 2–4                 |       | 10 IEC                   | 24 IEC                     |                      |

| i Web code: #0746                                                                   | Plugs: push-in spring connection |                                                   |                     |       |                          |                            |                      |
|-------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                     | Product range                    | Notes                                             | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | FK-MPT 0,5/...ST                 | TWIN connection<br>Can be plugged onto pin strips | 2–16                | 3.5   | 4 IEC<br>4 UL (B, D)     | 250 IEC<br>300 UL (B, D)   | 0°                   |

|  Web code: #0747 | Pin strips: THR and wave soldering |       |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|------------------------------------|-------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                      | Notes | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | PST 1,0/...-H                      |       | 2–16                | 3.5   | 8 IEC<br>10 UL (B)       | 250 IEC<br>300 UL (B)      | 0°                   |
|                 | PST 1,0/...-V                      |       | 2–16                | 3.5   | 8 IEC<br>10 UL (B)       | 250 IEC<br>300 UL (B)      | 90°                  |

|  Web code: #0748 | Headers: THR and wave soldering |                                                 |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                   | Notes                                           | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | FK-MPT 0,5/...-ICA              | Header for PCB terminal blocks FK-MPT 0,5/...-V | 2–16                | 3.5   | 3 IEC<br>4 UL (B, D)     | 250 IEC<br>300 UL (B, D)   | 0°                   |
|                 | FK-MPT 0,5/...-ICVA             | Header for PCB terminal blocks FK-MPT 0,5/...-V | 2–16                | 3.5   | 3 IEC<br>4 UL (B, D)     | 250 IEC<br>300 UL (B, D)   | 90°                  |

## PCB connectors for conductor cross sections up to 1.5 mm<sup>2</sup> (AWG 16)

|  Web code: #0749 | Plugs: screw connection with wire guard |                                |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                           | Notes                          | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | PT 1,5/...-PH                           | Can be plugged onto pin strips | 2–16                | 3.5   | 8 IEC<br>10 UL (B, D)    | 200 IEC<br>300 UL (B, D)   | 0°                   |
|               | PT 1,5/...-PVH                          | Can be plugged onto pin strips | 2–16                | 3.5   | 8 IEC<br>10 UL (B, D)    | 200 IEC<br>300 UL (B, D)   | 0°/90°               |

|  Web code: #0750 | Plugs: screw connection with tension sleeve |                                                               |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|---------------------------------------------|---------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                               | Notes                                                         | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | PT 1,5/...-PH CLIP                          | Can be clipped into device housing, contacted with pin strips | 2–16                | 5.0   | 10 IEC<br>10 UL (B, D)   | 400 IEC<br>300 UL (B, D)   | 180°                 |

|  Web code: #0751 | Plugs: push-in spring connection |                                                 |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|----------------------------------|-------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                    | Notes                                           | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | PTDA 1,5/...-PH                  | TWIN connection, can be plugged onto pin strips | 2–16                | 3.5   | 8 IEC<br>10 UL (B)       | 240 IEC<br>150 UL (B)      | 45°                  |

|  Web code: #0752 | Pin strips: THR and wave soldering |       |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|------------------------------------|-------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                      | Notes | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | PST 1,0/...-H                      |       | 2–16                | 3.5   | 8 IEC<br>10 UL (B)       | 250 IEC<br>300 UL (B)      | 0°                   |
|                 | PST 1,0/...-V                      |       | 2–16                | 3.5   | 8 IEC<br>10 UL (B)       | 250 IEC<br>300 UL (B)      | 90°                  |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB connectors for conductor cross sections up to 1.5 mm<sup>2</sup> (AWG 16)

|  Web code: #0752 | Pin strips: THR and wave soldering |       |                     |       |                                  |                                     |                      |
|---------------------------------------------------------------------------------------------------|------------------------------------|-------|---------------------|-------|----------------------------------|-------------------------------------|----------------------|
|                                                                                                   | Product range                      | Notes | Number of positions | Pitch | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                  | PST 1,3/...-H                      |       | 2–16                | 5.0   | 12 IEC<br>16 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                  | PST 1,3/...-V                      |       | 2–16                | 5.0   | 12 IEC<br>16 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |

|  Web code: #1206 | Double-row plugs: push-in spring connection, SKEDD direct connection technology |                                               |                     |       |                          |                            |                      |
|---------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                   | Product range                                                                   | Notes                                         | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  <div>New</div>  | SDDC 1,5/...-PV-3,5                                                             | With body-bound rivets for locking on the PCB | 2–16                | 3.5   | 8 IEC                    | 160 IEC                    | 90°                  |

|  Web code: #0771 | Plugs: spring-cage connection, direct connection technology (edge connector) |                |                     |       |                          |                            |                      |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|----------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                   | Product range                                                                | Notes          | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                  | ZEC 1,0/...-ST                                                               | Wire-to-board  | 2–12                | 3.5   | 8 IEC<br>8 UL (B)        | 200 IEC<br>150 UL (B)      | 0°                   |
|                  | ZEC 1,0/...-LPV                                                              | Board-to-board | 2–12                | 3.5   | 8 IEC<br>8 UL (B)        | 200 IEC<br>150 UL (B)      | 0°                   |
|                | ZEC 1,5/...-ST                                                               | Wire-to-board  | 2–12                | 5.0   | 10 IEC<br>10 UL (B, D)   | 320 IEC<br>300 UL (B, D)   | 0°                   |
|                | ZEC 1,5/...-LPV                                                              | Board-to-board | 2–12                | 5.0   | 10 IEC<br>10 UL (B, D)   | 320 IEC<br>300 UL (B, D)   | 0°                   |
|                | ZEC 1,5/...-ST                                                               | Wire-to-board  | 2–12                | 7.5   | 10 IEC<br>10 UL (B, D)   | 630 IEC<br>300 UL (B, D)   | 0°                   |
|                | ZEC 1,5/...-LPV                                                              | Board-to-board | 2–12                | 7.5   | 10 IEC<br>10 UL (B, D)   | 630 IEC<br>300 UL (B, D)   | 0°                   |

|  Web code: #1175 | Double-row plugs: push-in spring connection, female       |                                                                      |                     |       |                          |                            |                      |
|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                     | Product range                                             | Notes                                                                | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                  | DFMC 1,5/...-ST<br>DFMC 1,5/...-STF<br>DFMC 1,5/...-ST-LR | Without flange<br>With screw flange<br>With Lock and Release locking | 2–20                | 3.5   | 8 IEC<br>8 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |

|  Web code: #1245 | Double-row headers: THR soldering, male        |                                                                        |                     |       |                          |                            |                      |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------|------------------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                     | Product range                                  | Notes                                                                  | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                  | DMC 1,5/...-G1-THR<br>DMC 1,5/...-G1F-LR-THR   | Without flange<br>With threaded flange<br>and Lock and Release locking | 2–20                | 3.5   | 8 IEC<br>8 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|                  | DMCV 1,5/...-G1-THR<br>DMCV 1,5/...-G1F-LR-THR | Without flange<br>With threaded flange<br>and Lock and Release locking | 2–20                | 3.5   | 8 IEC<br>8 UL (B)        | 160 IEC<br>150 UL (B)      | 90°                  |

|  Web code: #0753 | Plugs: screw connection with tension sleeve, female |                                                                                |                      |          |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|-----------------------------------------------------|--------------------------------------------------------------------------------|----------------------|----------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                                       | Notes                                                                          | Number of positions  | Pitch    | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | MC 1,5/...-ST<br>MC 1,5/...-STF<br>MC 1,5/...-ST-LR | Without flange<br>With screw flange<br>With Lock and Release locking           | 2–20<br>2–20<br>2–16 | 3.5/3.81 | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |
|                 | MC 1,5/...-STZ                                      | With closing assist                                                            | 3–20                 | 3.5/3.81 | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |
|                 | MCVR 1,5/...-ST<br>MCVR 1,5/...-STF                 | Without flange<br>With screw flange<br>Conductor entry facing the encoded side | 2–16                 | 3.5/3.81 | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 90°                  |
|                 | MCVW 1,5/...-ST<br>MCVW 1,5/...-STF                 | Without flange<br>With screw flange<br>Conductor entry facing the encoded side | 2–16                 | 3.5/3.81 | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 270°                 |

|  Web code: #0754 | Inverted plugs: screw connection with tension sleeve, male |                                        |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------|----------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                                              | Notes                                  | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | IMC 1,5/...-ST<br>IMC 1,5/...-STGF                         | Without flange<br>With threaded flange | 2–16                | 3.81  | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |

|  Web code: #0755 | Plugs: front screw connection, female       |                                     |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|---------------------------------------------|-------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                               | Notes                               | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                | FRONT-MC 1,5/...-ST<br>FRONT-MC 1,5/...-STF | Without flange<br>With screw flange | 2–20                | 3.81  | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |

|  Web code: #0756 | Plugs: push-in spring connection, female                        |                                                                      |                     |          |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------|----------------------------------------------------------------------|---------------------|----------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                                                   | Notes                                                                | Number of positions | Pitch    | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | FK-MCP 1,5/...-ST<br>FK-MCP 1,5/...-STF<br>FK-MCP 1,5/...-ST-LR | Without flange<br>With screw flange<br>With Lock and Release locking | 2–20                | 3.5/3.81 | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |
|                 | FMC 1,5/...-ST<br>FMC 1,5/...-STF<br>FMC 1,5/...-ST-RF          | Without flange<br>With screw flange<br>With latching flange          | 2–20                | 3.5/3.81 | 8 IEC<br>8 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|                 | FMCD 1,5/...-ST                                                 | Without flange                                                       | 2–16                | 3.5      | 8 IEC<br>8 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |

|  Web code: #0756 | Plugs: push-in spring connection, female |                                                     |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|------------------------------------------|-----------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                            | Notes                                               | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | TFMC 1,5/...-ST<br>TFMC 1,5/...-STF      | TWIN design,<br>without flange<br>With screw flange | 2–10                | 3.5   | 8 IEC<br>8 UL (B)        | 160 IEC<br>300 UL (B)      | 0°                   |

|  Web code: #0757 | Inverted plugs: push-in spring connection, male             |                                                              |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------------|--------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                                               | Notes                                                        | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | IFMC 1,5/...-ST<br>IFMC 1,5/...-ST-RF<br>IFMC 1,5/...-ST-RN | Without flange<br>With latching flange<br>With snap-in latch | 2–12                | 3.5   | 8 IEC<br>8 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB connectors for conductor cross sections up to 1.5 mm<sup>2</sup> (AWG 16)

| i Web code: #0758                                                                 | Plugs: IDC displacement connection, female |                                     |                     |       |                          |                            |                      |
|-----------------------------------------------------------------------------------|--------------------------------------------|-------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                   | Product range                              | Notes                               | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | QC 0,5/...-ST<br>QC 0,5/...-STF            | Without flange<br>With screw flange | 2–16                | 3.81  | 6 IEC<br>6 UL (B, C)     | 200 IEC<br>300 UL (B, C)   | 90°                  |

| i Web code: #0759                                                                 | Plugs: crimp connection, female |                                     |                     |       |                          |                            |                      |
|-----------------------------------------------------------------------------------|---------------------------------|-------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                   | Product range                   | Notes                               | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | MCC 1/...-STZ<br>MCC 1/...-STZF | Without flange<br>With screw flange | 2–20                | 3.81  | 8 IEC<br>5 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |

| i Web code: #0760                                                                            | Headers: THR soldering, male                    |                                        |                     |                 |                          |                            |                      |
|----------------------------------------------------------------------------------------------|-------------------------------------------------|----------------------------------------|---------------------|-----------------|--------------------------|----------------------------|----------------------|
|                                                                                              | Product range                                   | Notes                                  | Number of positions | Pitch           | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  <b>New</b> | MC 1,5/...-G-THR<br>MC 1,5/...-GF-THR           | Without flange<br>With threaded flange | 2–20                | 3.5/3.81        | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |
|  <b>New</b> | MCV 1,5/...-G-THR<br>MCV 1,5/...-GF-THR         | Without flange<br>With threaded flange | 2–20                | 3.5/3.81        | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 90°                  |
|             | MCDN 1,5/...-G1-THR<br>MCDN 1,5/...-G1-RN-THR   | Without flange<br>With snap-in latch   | 2–20                | 3.5/3.81<br>3.5 | 8 IEC<br>8 UL (B)        | 160 IEC<br>150 UL (B)      | 0°                   |
|           | MCDNV 1,5/...-G1-THR<br>MCDNV 1,5/...-G1-RN-THR | Without flange<br>With snap-in latch   | 2–20                | 3.5/3.81<br>3.5 | 8 IEC<br>8 UL (B)        | 160 IEC<br>150 UL (B)      | 90°                  |

| i Web code: #0761                                                                   | Inverted headers: THR soldering, female     |                                      |                     |       |                          |                            |                      |
|-------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                     | Product range                               | Notes                                | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | IMC 1,5/...-G-THR<br>IMC 1,5/...-G-RN-THR   | Without flange<br>With snap-in latch | 2–12                | 3.5   | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |
|  | IMCV 1,5/...-G-THR<br>IMCV 1,5/...-G-RN-THR | Without flange<br>With snap-in latch | 2–12                | 3.5   | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 90°                  |

| i Web code: #0762                                                                   | Headers: wave soldering, male                                            |                                                                                               |                     |                                         |                          |                            |                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|---------------------|-----------------------------------------|--------------------------|----------------------------|----------------------|
|                                                                                     | Product range                                                            | Notes                                                                                         | Number of positions | Pitch                                   | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | MC 1,5/...-G<br>MC 1,5/...-GF<br>MC 1,5/...-G-RN<br>MC 1,5/...-GF-LR     | Without flange<br>With threaded flange<br>With snap-in latch<br>With Lock and Release locking | 2–20                | 3.5/3.81<br>3.5/3.81<br>3.5<br>3.5/3.81 | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |
|  | MCV 1,5/...-G<br>MCV 1,5/...-GF<br>MCV 1,5/...-G-RN<br>MCV 1,5/...-GF-LR | Without flange<br>With threaded flange<br>With snap-in latch<br>With Lock and Release locking | 2–20                | 3.5/3.81<br>3.5/3.81<br>3.5<br>3.5/3.81 | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 90°                  |
|  | SMC 1,5/...-G<br>SMC 1,5/...-GF                                          | Without flange<br>With threaded flange                                                        | 2–18<br>2–16        | 3.81                                    | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 45°                  |

|  Web code: #0763 | Headers: wave soldering, male       |                                        |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|-------------------------------------|----------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                       | Notes                                  | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | MCO 1,5/...-GR<br>MCO 1,5/...-GL    | Right version<br>Left version          | 3–10                | 3.81  | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |
|                 | MCO 1,5/...-G1R<br>MCO 1,5/...-G1L  | Right version<br>Left version          | 3–5                 | 3.5   | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |
|                 | MCD 1,5/...-G<br>MCD 1,5/...-GF     | Without flange<br>With threaded flange | 2–16                | 3.81  | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |
|                 | MCDV 1,5/...-G<br>MCDV 1,5/...-GF   | Without flange<br>With threaded flange | 2–16                | 3.81  | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 90°                  |
|                 | MCD 1,5/...-G1<br>MCD 1,5/...-G1F   | Without flange<br>With threaded flange | 2–16                | 3.81  | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |
|                 | MCDV 1,5/...-G1<br>MCDV 1,5/...-G1F | Without flange<br>With threaded flange | 2–16                | 3.81  | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 90°                  |

|  Web code: #0764 | Inverted headers: wave soldering, female |       |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|------------------------------------------|-------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                            | Notes | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                | IMC 1,5/...-G                            |       | 2–16                | 3.81  | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |
|               | IMCV 1,5/...-G                           |       | 2–16                | 3.81  | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 90°                  |

|  Web code: #0765 | Headers: press-in technology, male |                                        |                     |          |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|------------------------------------|----------------------------------------|---------------------|----------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                      | Notes                                  | Number of positions | Pitch    | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | EMC 1,5/...-G<br>EMC 1,5/...-GF    | Without flange<br>With threaded flange | 2–16                | 3.5/3.81 | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |
|                 | EMCV 1,5/...-G<br>EMCV 1,5/...-GF  | Without flange<br>With threaded flange | 2–16                | 3.5/3.81 | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 90°                  |

|  Web code: #0766 | Direct plug-in block, male |                                                     |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range              | Notes                                               | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | MCVU 1,5/...-GFD           | With threaded flange<br>and screw connection on PCB | 2–16                | 3.81  | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |

|  Web code: #0767 | Plugs: screw connection with tension sleeve, female |                                     |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------------|-------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                                       | Notes                               | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | MC 1,5/...-ST<br>MC 1,5/...-STF                     | Without flange<br>With screw flange | 2–12                | 5.08  | 8 IEC<br>8 UL (B, D)     | 320 IEC<br>300 UL (B, D)   | 0°                   |
|                 | MC 1,5/...-ST1<br>MC 1,5/...-ST1F                   | Without flange<br>With screw flange | 2–12                | 5.08  | 8 IEC<br>8 UL (B, D)     | 320 IEC<br>300 UL (B, D)   | 0°                   |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB connectors for conductor cross sections up to 1.5 mm<sup>2</sup> (AWG 16)

| i Web code: #0768                                                                 | Headers: wave soldering, male   |                                        |                     |       |                          |                            |                      |
|-----------------------------------------------------------------------------------|---------------------------------|----------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                   | Product range                   | Notes                                  | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | MC 1,5/...-G<br>MC 1,5/...-GF   | Without flange<br>With threaded flange | 2–12                | 5.08  | 8 IEC<br>8 UL (B, D)     | 320 IEC<br>300 UL (B, D)   | 0°                   |
|  | MCV 1,5/...-G<br>MCV 1,5/...-GF | Without flange<br>With threaded flange | 2–12                | 5.08  | 8 IEC<br>8 UL (B, D)     | 320 IEC<br>300 UL (B, D)   | 90°                  |

| i Web code: #0769                                                                 | Feed-through connectors, male |                                                                |                     |       |                          |                            |                      |
|-----------------------------------------------------------------------------------|-------------------------------|----------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                   | Product range                 | Notes                                                          | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | PSC 1,5/...-M                 | Shielded POWER SUBCON header for wall thicknesses up to 4.5 mm | 3, 5                | 3.5   | 8 IEC<br>8 UL (B, D)     | 320 IEC<br>300 UL (B, D)   | 0°                   |
|  | DFK-MC 1,5/...-GF             | Header with threaded flange, with solder or slip-on connection | 2–16                | 3.81  | 8 IEC<br>8 UL (B, D)     | 160 IEC<br>300 UL (B, D)   | 0°                   |

| i Web code: #0770                                                                 | Feed-through connectors, female |                                                       |                     |       |                          |                            |                      |
|-----------------------------------------------------------------------------------|---------------------------------|-------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                   | Product range                   | Notes                                                 | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | PSC 1,5/...-F                   | Shielded POWER SUBCON connector with screw connection | 3, 5                | 3.5   | 8 IEC<br>8 UL (B, D)     | 320 IEC<br>300 UL (B, D)   | 0°                   |

## PCB connectors for conductor cross sections up to 2.5 mm<sup>2</sup> (AWG 14)

| i Web code: #0772                                                                   | Plugs: screw connection with wire guard |                                                                           |                     |       |                                  |                                     |                      |
|-------------------------------------------------------------------------------------|-----------------------------------------|---------------------------------------------------------------------------|---------------------|-------|----------------------------------|-------------------------------------|----------------------|
|                                                                                     | Product range                           | Notes                                                                     | Number of positions | Pitch | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|  | PT 1,5/...-PVH                          | Can be plugged onto pin strips                                            | 2–16                | 5.0   | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0° / 90°             |
|  | PT 2,5/...-PVH                          | Can be plugged onto pin strips<br>Cross sections: up to 4 mm <sup>2</sup> | 2–12                | 5.0   | 13,5 IEC<br>10 UL (B, D)         | 320 IEC<br>300 UL (B, D)            | 0° / 90° / 180°      |

| i Web code: #0773                                                                   | Plugs: screw connection with tension sleeve |                                |                     |       |                          |                            |                      |
|-------------------------------------------------------------------------------------|---------------------------------------------|--------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                     | Product range                               | Notes                          | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | PT 1,5/...-PH                               | Can be plugged onto pin strips | 2–16                | 5.0   | 10 IEC<br>10 UL (B, D)   | 400 IEC<br>300 UL (B, D)   | 0°                   |

| i Web code: #0774                                                                   | Plugs: push-in spring connection |                                                               |                     |       |                                      |                                     |                      |
|-------------------------------------------------------------------------------------|----------------------------------|---------------------------------------------------------------|---------------------|-------|--------------------------------------|-------------------------------------|----------------------|
|                                                                                     | Product range                    | Notes                                                         | Number of positions | Pitch | Current <sup>1</sup> (A)             | Voltage <sup>1,2</sup> (V)          | Connection direction |
|  | PTS 1,5/...-PH                   | Can be plugged onto pin strips                                | 2–12                | 5.0   | 10 IEC<br>7 UL (B, D)                | 400 IEC<br>300 UL (B, D)            | 0° / 180°            |
|  | PTS 1,5/...-PH CLIP              | Can be clipped into device housing, contacted with pin strips | 2–12                | 5.0   | 10 IEC                               | 400 IEC                             | 180°                 |
|  | PTDA 2,5/...-PH                  | TWIN connection<br>Can be plugged onto pin strips             | 2–16                | 5.0   | 13,5 IEC<br>13,5 UL (B)<br>10 UL (D) | 400 IEC<br>300 UL (B)<br>300 UL (D) | 45°                  |

| i Web code: #0775                                                                 | Pin strips: THR and wave soldering |                                 |                     |       |                                  |                                     |                      |
|-----------------------------------------------------------------------------------|------------------------------------|---------------------------------|---------------------|-------|----------------------------------|-------------------------------------|----------------------|
|                                                                                   | Product range                      | Notes                           | Number of positions | Pitch | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|  | PST 1,3/...-H                      | THR/wave soldering-capable      | 2–16                | 5.0   | 12 IEC<br>16 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|  | PST 1,3/...-V                      | THR/wave soldering-capable      | 2–16                | 5.0   | 12 IEC<br>16 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|  | PST 1,3/...-SF                     | Specifically for PTS 1,5/...-PH | 2–12                | 5.0   | 12 IEC<br>7 UL (B, D)            | 320 IEC<br>300 UL (B, D)            | 90°                  |
|  | PST 1,3/...-LH                     | Specifically for PT 2,5/...-PVH | 2–12                | 5.0   | 13,5 IEC<br>10 UL (B, D)         | 400 IEC<br>300 UL (B, D)            | 0°                   |
|  | PST 1,3/...-LV                     | Specifically for PT 2,5/...-PVH | 2–12                | 5.0   | 13,5 IEC<br>10 UL (B, D)         | 400 IEC<br>300 UL (B, D)            | 90°                  |

| i Web code: #0786                                                                     | Plugs: push-in spring connection, SKEDD direct connection technology |                                               |                     |       |                          |                            |                      |
|---------------------------------------------------------------------------------------|----------------------------------------------------------------------|-----------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                       | Product range                                                        | Notes                                         | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  New | SDC 2,5/...-PV-5,0-ZB                                                | With body-bound rivets for locking on the PCB | 1–16                | 5.0   | 12 IEC                   | 320 IEC                    | 90°                  |

| i Web code: #0776                                                                      | Plugs: screw connection with tension sleeve, female                             |                                                                                              |                              |          |                                  |                                     |                      |
|----------------------------------------------------------------------------------------|---------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------|----------|----------------------------------|-------------------------------------|----------------------|
|                                                                                        | Product range                                                                   | Notes                                                                                        | Number of positions          | Pitch    | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|      | MSTB 2,5/...-ST<br>MSTB 2,5/...-STF<br>MSTB 2,5/...-ST-RF<br>MSTB 2,5/...-ST-LR | Without flange<br>With screw flange<br>With latching flange<br>With Lock and Release locking | 2–24<br>2–20<br>2–18<br>2–20 | 5.0/5.08 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|  Ex | MSTB 2,5/...-STF-EX                                                             | With screw flange                                                                            | 2–12                         | 5.08     | 12 IEC                           | 176 IEC                             | 0°                   |
|     | MSTB 2,5/...-STZ                                                                | With closing assist                                                                          | 2–16                         | 5.0/5.08 | 12 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>250 UL (B)<br>300 UL (D) | 0°                   |
|     | MSTBP 2,5/...-ST                                                                | With test connection                                                                         | 2–24                         | 5.0/5.08 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|     | MSTBT 2,5/...-ST<br>MSTBT 2,5/...-STF                                           | Mating area offset at top<br>Without flange<br>With screw flange                             | 2–18                         | 5.0/5.08 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|     | MVSTBR 2,5/...-ST<br>MVSTBR 2,5/...-STF                                         | Conductor entry facing the encoded side, without flange<br>With screw flange                 | 2–24<br>2–20                 | 5.0/5.08 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|  Ex | MVSTBR 2,5/...-STF-EX                                                           | Conductor entry facing the encoded side, with screw flange                                   | 2–12                         | 5.08     | 12 IEC                           | 176 IEC                             | 90°                  |
|     | MVSTBW 2,5/...-ST<br>MVSTBW 2,5/...-STF                                         | Conductor entry facing the rippled side, without flange<br>With screw flange                 | 2–24<br>2–20                 | 5.0/5.08 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 270°                 |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB connectors for conductor cross sections up to 2.5 mm<sup>2</sup> (AWG 14)

|  Web code: #0776 | Plugs: screw connection with tension sleeve, female |                                                                              |                     |                  |                                  |                                     |                      |
|---------------------------------------------------------------------------------------------------|-----------------------------------------------------|------------------------------------------------------------------------------|---------------------|------------------|----------------------------------|-------------------------------------|----------------------|
|                                                                                                   | Product range                                       | Notes                                                                        | Number of positions | Pitch            | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                  | MVSTBW 2,5/...-STF-EX                               | Conductor entry facing the rippled side, with screw flange                   | 2–12                | 5.08             | 12 IEC                           | 176 IEC                             | 270°                 |
|                  | SMSTB 2,5/...-ST<br>SMSTB 2,5/...-STF               | Without flange<br>With screw flange                                          | 2–24<br>2–20        | 5.0/5.08         | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                  | TVMSTB 2,5/...-ST<br>TVMSTB 2,5/...-STF             | TWIN design, without flange<br>With screw flange                             | 2–10                | 5.08             | 12 IEC<br>10 UL (B)<br>10 UL (D) | 400 IEC<br>300 UL (B)<br>300 UL (D) | 90°/ 270°            |
|                  | TMSTBP 2,5/...-ST<br>TMSTBP 2,5/...-STF             | TWIN design, without flange<br>With screw flange                             | 2–10                | 5.08             | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                  | GMSTB 2,5/...-ST<br>GMSTB 2,5/...-STF               | Without flange<br>With screw flange                                          | 2–12                | 7.5/7.62<br>7.62 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 630 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                  | GMSTB 2,5/...-STF-EX                                | With screw flange                                                            | 2–12                | 7.62             | 12 IEC                           | 352 IEC                             | 0°                   |
|                 | GMVSTBR 2,5/...-ST<br>GMVSTBR 2,5/...-STF           | Conductor entry facing the encoded side, without flange<br>With screw flange | 2–12                | 7.5/7.62<br>7.62 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 630 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|                | GMVSTBR 2,5/...-STF-EX                              | Conductor entry facing the encoded side, with screw flange                   | 2–12                | 7.62             | 12 IEC                           | 352 IEC                             | 90°                  |
|                | GMVSTBW 2,5/...-ST<br>GMVSTBW 2,5/...-STF           | Conductor entry facing the rippled side, without flange<br>With screw flange | 2–12                | 7.5/7.62<br>7.62 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 630 IEC<br>300 UL (B)<br>300 UL (D) | 270°                 |
|                | GMVSTBW 2,5/...-STF-EX                              | Conductor entry facing the rippled side, with screw flange                   | 2–12                | 7.62             | 12 IEC                           | 352 IEC                             | 270°                 |

|  Web code: #0777 | Inverted plugs: screw connection with tension sleeve, male |                                                             |                      |       |                                  |                                     |                      |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------|----------------------|-------|----------------------------------|-------------------------------------|----------------------|
|                                                                                                     | Product range                                              | Notes                                                       | Number of positions  | Pitch | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                  | IC 2,5/...-ST<br>IC 2,5/...-STF<br>IC 2,5/...-GF           | Without flange<br>With screw flange<br>With threaded flange | 2–24<br>2–20<br>2–20 | 5.08  | 12 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>250 UL (B)<br>300 UL (D) | 0°                   |
|                  | IC 2,5/...-STF-EX                                          | With screw flange                                           | 2–12                 | 5.08  | 12 IEC                           | 176 IEC                             | 0°                   |
|                  | GIC 2,5/...-ST<br>GIC 2,5/...-STF<br>GIC 2,5/...-GF        | Without flange<br>With screw flange<br>With threaded flange | 2–12                 | 7.62  | 12 IEC<br>12 UL (B)<br>10 UL (D) | 630 IEC<br>250 UL (B)<br>300 UL (D) | 0°                   |

| i Web code: #0778                                                                 | Plugs: front screw connection, female             |                                     |                     |          |                                  |                                     |                      |
|-----------------------------------------------------------------------------------|---------------------------------------------------|-------------------------------------|---------------------|----------|----------------------------------|-------------------------------------|----------------------|
|                                                                                   | Product range                                     | Notes                               | Number of positions | Pitch    | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|  | FRONT-MSTB 2,5/...-ST<br>FRONT-MSTB 2,5/...-STF   | Without flange<br>With screw flange | 2–24                | 5.0/5.08 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|  | FRONT-GMSTB 2,5/...-ST<br>FRONT-GMSTB 2,5/...-STF | Without flange<br>With screw flange | 2–12                | 7.62     | 12 IEC<br>15 UL (B)<br>10 UL (D) | 630 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |

| i Web code: #0779                                                                   | Plugs: push-in spring connection, female                                    |                                                                                              |                              |                                          |                                  |                                     |                      |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------|------------------------------------------|----------------------------------|-------------------------------------|----------------------|
|                                                                                     | Product range                                                               | Notes                                                                                        | Number of positions          | Pitch                                    | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|    | FKC 2,5/...-ST<br>FKC 2,5/...-STF<br>FKC 2,5/...-ST-RF<br>FKC 2,5/...-ST-LR | Without flange<br>With screw flange<br>With latching flange<br>With Lock and Release locking | 2–24<br>2–24<br>2–16<br>2–20 | 5.0/5.08<br>5.0/5.08<br>5.0/5.08<br>5.08 | 12 IEC<br>10 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|    | FKC 2,5/...-STF-EX<br>FKC 2,5/...-ST-RF-EX<br>FKC 2,5/...-ST-LR-EX          | With screw flange<br>With latching flange<br>With Lock and Release locking                   | 2–12<br>2–12<br>On request   | 5.08                                     | 12 IEC                           | 176 IEC                             | 0°                   |
|    | FKCS 2,5/...-ST<br>FKCS 2,5/...-STF<br>FKCS 2,5/...-ST-RF                   | Without flange<br>With screw flange<br>With latching flange                                  | 2–20<br>2–16<br>2–16         | 5.0/5.08<br>5.0/5.08<br>5.08             | 12 IEC<br>10 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|    | FKCT 2,5/...-ST<br>FKCT 2,5/...-STF                                         | Without flange<br>With screw flange                                                          | 2–20<br>2–18                 | 5.0/5.08                                 | 12 IEC<br>10 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|   | FKCN 2,5/...-ST<br>FKCN 2,5/...-STF                                         | Without flange<br>With screw flange                                                          | 2–18                         | 5.0/5.08                                 | 12 IEC<br>10 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|  | FKCVR 2,5/...-ST<br>FKCVR 2,5/...-STF                                       | Conductor entry facing the encoded side, without flange<br>With screw flange                 | 2–18<br>2–16                 | 5.0/5.08                                 | 12 IEC<br>10 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|  | FKCVW 2,5/...-ST<br>FKCVW 2,5/...-STF                                       | Conductor entry facing the rippled side, without flange<br>With screw flange                 | 2–18<br>2–16                 | 5.0/5.08                                 | 12 IEC<br>10 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 270°                 |

| i Web code: #0779                                                                       | Double-row headers: SMD soldering, male                      |                                                                                                               |                     |       |                                  |                                     |                      |
|-----------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|---------------------|-------|----------------------------------|-------------------------------------|----------------------|
|                                                                                         | Product range                                                | Notes                                                                                                         | Number of positions | Pitch | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|  New | FKCOR 2,5/...-ST<br>FKCOR 2,5/...-STF<br>FKCOR 2,5/...-ST-LR | Conductor entry facing the encoded side, without flange<br>With screw flange<br>With Lock and Release locking | 2–24                | 5.08  | 12 IEC<br>10 UL (B)<br>10 UL (C) | 320 IEC<br>300 UL (B)<br>300 UL (C) | 90°                  |
|  New | FKCOR<br>FKCOW                                               | Conductor entry facing the rippled side, without flange<br>With screw flange                                  | 2–24                | 5.08  | 12 IEC<br>10 UL (B)<br>10 UL (C) | 320 IEC<br>300 UL (B)<br>300 UL (C) | 90°                  |
|      | TVFKC 1,5/...-ST<br>TVFKCL 1,5/...-ST                        | TWIN design, mating area, short<br>Mating area, long                                                          | 2–10                | 5.0   | 10 IEC<br>8 UL (B)<br>8 UL (D)   | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|      | TFKC 2,5/...-ST<br>TFKC 2,5/...-STF<br>TFKC 2,5/...-LR       | TWIN design, without flange<br>With screw flange<br>With Lock and Release locking                             | 2–10                | 5.08  | 12 IEC<br>10 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB connectors for conductor cross sections up to 2.5 mm<sup>2</sup> (AWG 14)

|  Web code: #0779   | Plugs: push-in spring connection, female                                              |                                                                                                                          |                     |                              |                                  |                                     |                      |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------|---------------------|------------------------------|----------------------------------|-------------------------------------|----------------------|
|                                                                                                     | Product range                                                                         | Notes                                                                                                                    | Number of positions | Pitch                        | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                    | GFKC 2,5/...-ST<br>GFKC 2,5/...-STF                                                   | Without flange<br>With screw flange                                                                                      | 2–12                | 7.5/7.62                     | 12 IEC<br>10 UL (B)<br>10 UL (D) | 630 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                                                                                                     | GFKC 2,5/...-STF-EX                                                                   | With screw flange                                                                                                        | 2–12                | 7.62                         | 12 IEC                           | 352 IEC                             | 0°                   |
|  Web code: #0780   | Inverted plugs: push-in spring connection, male                                       |                                                                                                                          |                     |                              |                                  |                                     |                      |
|                                                                                                     | Product range                                                                         | Notes                                                                                                                    | Number of positions | Pitch                        | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                    | FKIC 2,5/...-ST<br>FKIC 2,5/...-STF<br>FKIC 2,5/...-ST-RN                             | Without flange<br>With screw flange<br>With snap-in latch                                                                | 2–16                | 5.0/5.08                     | 12 IEC<br>10 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                                                                                                     | FKIC 2,5/...-STF-EX                                                                   | With threaded flange                                                                                                     | 2–12                | 5.08                         | 12 IEC                           | 176 IEC                             | 0°                   |
|                    | FKICS 2,5/...-ST<br>FKICS 2,5/...-STF<br>FKICS 2,5/...-STD-RN                         | Without flange<br>With screw flange<br>With snap-in latch and direct fastening                                           | 2–16                | 5.0/5.08<br>5.0/5.08<br>5.08 | 12 IEC<br>10 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                                                                                                     | GFKIC 2,5/...-ST                                                                      | Without flange                                                                                                           | 2–12                | 7.62                         | 12 IEC<br>10 UL (B)<br>10 UL (D) | 630 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|  Web code: #0781 | Plugs: IDC displacement connection, female                                            |                                                                                                                          |                     |                              |                                  |                                     |                      |
|                                                                                                     | Product range                                                                         | Notes                                                                                                                    | Number of positions | Pitch                        | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                  | QC 1/...-ST<br>QC 1/...-STF                                                           | Without flange<br>With screw flange                                                                                      | 2–18<br>2–16        | 5.08                         | 10 IEC<br>10 UL (B)<br>10 UL (D) | 630 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|                                                                                                     | QC 1/...-ST-BUS                                                                       | BUS connection for feeding through the conductor                                                                         | 2–6                 | 5.0                          | 10 IEC<br>10 UL (B)<br>10 UL (D) | 630 IEC<br>300 UL (B)<br>300 UL (D) | 90°/270°             |
|                  | QC 1,5/...-ST<br>QC 1,5/...-STF                                                       | Without flange<br>With screw flange                                                                                      | 2–16                | 5.0                          | 12 IEC<br>10 UL (B)<br>10 UL (D) | 630 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|  Web code: #0782 | Plugs: crimp connection, female                                                       |                                                                                                                          |                     |                              |                                  |                                     |                      |
|                                                                                                     | Product range                                                                         | Notes                                                                                                                    | Number of positions | Pitch                        | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                  | MSTBC 2,5/...-ST                                                                      | For crimp contacts MSTBC-MT 0,5-1,0 and MSTBC-MT 1,5-2,5                                                                 | 2–24                | 5.08                         | 12 IEC<br>10 UL (B)<br>10 UL (D) | 320 IEC<br>250 UL (B)<br>300 UL (D) | 0°                   |
|                                                                                                     | MSTBC 2,5/...-STZ<br>MSTBC 2,5/...-STZF<br>MSTBC 2,5/...-STZ-R<br>MSTBC 2,5/...-STZFD | Closing assist option<br>With and without screw flange<br>With latching flange<br>With screw flange and direct fastening | 2–24                | 5.08                         | 12 IEC<br>10 UL (B)<br>10 UL (D) | 320 IEC<br>250 UL (B)<br>300 UL (D) | 0°                   |
|  Web code: #0783 | Inverted plugs: crimp connection, male                                                |                                                                                                                          |                     |                              |                                  |                                     |                      |
|                                                                                                     | Product range                                                                         | Notes                                                                                                                    | Number of positions | Pitch                        | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                  | ICC 2,5/...-STZ<br>ICC 2,5/...-STZF<br>ICC 2,5/...-STZFD                              | Closing assist option<br>With and without screw flange<br>With screw flange and direct fastening                         | 2–24                | 5.08                         | 12 IEC<br>10 UL (B)<br>10 UL (D) | 320 IEC<br>250 UL (B)<br>300 UL (D) | 0°                   |

|  Web code: #0784 | Direct plug-in block, female |                                            |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|------------------------------|--------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                | Notes                                      | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | MSTBU 2,5/..-STD             | With screw connection for direct fastening | 2–24                | 5.08  | 12 IEC                   | 320 IEC                    | 0°                   |

|  Web code: #0785 | Direct plug-in block, male            |                                        |                     |       |                                  |                                     |                      |
|--------------------------------------------------------------------------------------------------|---------------------------------------|----------------------------------------|---------------------|-------|----------------------------------|-------------------------------------|----------------------|
|                                                                                                  | Product range                         | Notes                                  | Number of positions | Pitch | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                 | MVSTBU 2,5/..-GB<br>MVSTBU 2,5/..-GFB | Without flange<br>With threaded flange | 2–20                | 5.08  | 12 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>250 UL (B)<br>300 UL (D) | 0°                   |

|  Web code: #0787 | DIN rail plugs: screw connection, female |                                                                        |                     |       |                                  |                                     |                      |
|--------------------------------------------------------------------------------------------------|------------------------------------------|------------------------------------------------------------------------|---------------------|-------|----------------------------------|-------------------------------------|----------------------|
|                                                                                                  | Product range                            | Notes                                                                  | Number of positions | Pitch | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                 | UMSTBVK 2,5/..-ST<br>UMSTBVK 2,5/..-STF  | For mounting on NS 32 and NS 35<br>Without flange<br>With screw flange | 5–16                | 5.08  | 12 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>250 UL (B)<br>300 UL (D) | 0°                   |

|  Web code: #0788 | DIN rail plugs: screw connection, male |                                                                        |                     |          |                                  |                                     |                      |
|--------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------------------------|---------------------|----------|----------------------------------|-------------------------------------|----------------------|
|                                                                                                  | Product range                          | Notes                                                                  | Number of positions | Pitch    | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                 | MSTBHK 2,5/..-G                        | For mounting on NS 15                                                  | 10                  | 5.0/5.08 | 12 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>250 UL (B)<br>300 UL (D) | 0°                   |
|               | UMSTBHK 2,5/..-G                       | For mounting on NS 32 and NS 35                                        | 10                  | 5.0      | 12 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>250 UL (B)<br>300 UL (D) | 0°                   |
|               | MSTBVK 2,5/..-G<br>MSTBVK 2,5/..-GF    | For mounting on NS 15<br>Without flange<br>With threaded flange        | 2–24<br>2–20        | 5.08     | 12 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>250 UL (B)<br>300 UL (D) | 0°                   |
|               | UMSTBVK 2,5/..-G<br>UMSTBVK 2,5/..-GF  | For mounting on NS 32 and 35<br>Without flange<br>With threaded flange | 2–24<br>2–20        | 5.08     | 12 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>250 UL (B)<br>300 UL (D) | 0°                   |

|  Web code: #0789 | Headers: THR soldering, male                                           |                                                                                               |                              |                                      |                                  |                                     |                      |
|----------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------|--------------------------------------|----------------------------------|-------------------------------------|----------------------|
|                                                                                                    | Product range                                                          | Notes                                                                                         | Number of positions          | Pitch                                | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                 | CCA 2,5/..-G<br>CC 2,5/..-GF<br>CCA 2,5/..-G-RN<br>CC 2,5/..-GF-LR     | Without flange<br>With threaded flange<br>With snap-in latch<br>With Lock and Release locking | 2–24<br>2–12<br>2–12<br>2–24 | 5.0/5.08<br>5.08<br>5.08<br>5.0/5.08 | 12 IEC<br>10 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                 | CCVA 2,5/..-G<br>CCV 2,5/..-GF<br>CCVA 2,5/..-G-RN<br>CCV 2,5/..-GF-LR | Without flange<br>With threaded flange<br>With snap-in latch<br>With Lock and Release locking | 2–24<br>2–12<br>2–12<br>2–24 | 5.0/5.08<br>5.08<br>5.08<br>5.0/5.08 | 12 IEC<br>10 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|                 | CCDN 2,5/..-G1F-THR<br>CCDN 2,5/..-G1F-THR                             | Without flange<br>With threaded flange                                                        | 2–18                         | 5.0/5.08                             | 12 IEC<br>10 UL (B)<br>10 UL (D) | 400 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                 | MSTBO 2,5/..-G1R-THR<br>MSTBO 2,5/..-G1L-THR                           | Right version<br>Left version                                                                 | 2–4                          | 5.0                                  | 16 IEC                           | 400 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB connectors for conductor cross sections up to 2.5 mm<sup>2</sup> (AWG 14)

|  Web code: #0790 | Headers: wave soldering, male                                                      |                                                                                               |                              |                                          |                                  |                                     |                      |
|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------|------------------------------|------------------------------------------|----------------------------------|-------------------------------------|----------------------|
|                                                                                                   | Product range                                                                      | Notes                                                                                         | Number of positions          | Pitch                                    | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                  | MSTBO 2,5/...-GR<br>MSTBO 2,5/...-GL                                               | Right version<br>Left version                                                                 | 3–8                          | 5.08                                     | 8 IEC<br>8 UL (B)<br>8 UL (D)    | 320 IEC<br>250 UL (B)<br>300 UL (D) | 0°                   |
|                  | MSTB 2,5/...-G                                                                     | Without side panel                                                                            | 2–24                         | 5.0/5.08                                 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                  | MSTBV 2,5/...-G                                                                    | Without side panel                                                                            | 2–24                         | 5.0/5.08                                 | 12 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|                  | MSTBA 2,5/...-G<br>MSTB 2,5/...-GF<br>MSTBA 2,5/...-G-RN<br>MSTBA 2,5/...-G-LR     | Without flange<br>With threaded flange<br>With snap-in latch<br>With Lock and Release locking | 2–24<br>2–24<br>2–20<br>2–20 | 5.0/5.08<br>5.0/5.08<br>5.0/5.08<br>5.08 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                  | MSTBVA 2,5/...-G<br>MSTBV 2,5/...-GF<br>MSTBVA 2,5/...-G-RN<br>MSTBVA 2,5/...-G-LR | Without flange<br>With threaded flange<br>With snap-in latch<br>With Lock and Release locking | 2–24<br>2–24<br>2–20<br>2–20 | 5.0/5.08<br>5.0/5.08<br>5.0/5.08<br>5.08 | 12 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|                  | MSTB 2,5/...-GF-EX<br>MSTBA 2,5/...-G-RN-EX<br>MSTBA 2,5/...-G-LR-EX               | With threaded flange<br>With snap-in latch<br>With Lock and Release locking                   | 2–12                         | 5.08                                     | 12 IEC                           | 176 IEC                             | 0°                   |
|                 | MSTBV 2,5/...-GF-EX<br>MSTBVA 2,5/...-G-RN-EX                                      | With threaded flange<br>With snap-in latch                                                    | 2–12                         | 5.08                                     | 12 IEC                           | 176 IEC                             | 90°                  |
|                | SMSTB 2,5/...-G                                                                    | Angled without side panel                                                                     | 2–24                         | 5.0/5.08                                 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 45°                  |
|                | SMSTBA 2,5/...-G                                                                   | Angled with side panel                                                                        | 2–24                         | 5.0/5.08                                 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 45°                  |
|                | MSTBW 2,5/...-G                                                                    | Without side panel, with stand-off                                                            | 2–24                         | 5.0/5.08                                 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                | MSTBV 2,5/...-GEH                                                                  | With unlocking aid                                                                            | 2–20                         | 5.08                                     | 12 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|                | MSTBO 2,5/...-G1R<br>MSTBO 2,5/...-G1L                                             | Right version<br>Left version                                                                 | 2–4                          | 5.0                                      | 12 IEC                           | 320 IEC                             | 0°                   |
|                | MSTBO 2,5/...-G1PR<br>MSTBO 2,5/...-G1PL                                           | Right version<br>Left version                                                                 | 2–4                          | 5.0                                      | 16 IEC                           | 320 IEC                             | 0°                   |
|                | MDSTB 2,5/...-G                                                                    | Without side panel                                                                            | 2–12                         | 5.0/5.08                                 | 10 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                | MDSTBV 2,5/...-G                                                                   | Without side panel                                                                            | 2–12                         | 5.0/5.08                                 | 10 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |

|  Web code: #0790 | Headers: wave soldering, male           |                                        |                     |                  |                                  |                                     |                      |
|--------------------------------------------------------------------------------------------------|-----------------------------------------|----------------------------------------|---------------------|------------------|----------------------------------|-------------------------------------|----------------------|
|                                                                                                  | Product range                           | Notes                                  | Number of positions | Pitch            | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                 | MDSTBA 2,5/...-G<br>MDSTB 2,5/...-GF    | Without flange<br>With threaded flange | 2–12                | 5.0/5.08         | 10 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                 | MDSTBVA 2,5/...-G<br>MDSTBV 2,5/...-GF  | Without flange<br>With threaded flange | 2–12                | 5.0/5.08         | 10 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|                 | MDSTBW 2,5/...-G                        | Without side panel<br>With stand-off   | 2–12                | 5.0/5.08         | 10 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                 | MDSTB 2,5/...-G1                        | Without flange                         | 2–20                | 5.0/5.08         | 10 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                 | MDSTBV 2,5/...-G1                       | Without flange                         | 2–20                | 5.0/5.08         | 10 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|                 | GMSTB 2,5/...-G                         | Without side panel                     | 2–12                | 7.5/7.62         | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|                 | GMSTBV 2,5/...-G                        | Without side panel                     | 2–12                | 7.5/7.62         | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|                | GMSTBA 2,5/...-G<br>GMSTBA 2,5/...-GF   | Without flange<br>With threaded flange | 2–12                | 7.5/7.62<br>7.62 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|               | GMSTBVA 2,5/...-G<br>GMSTBVA 2,5/...-GF | Without flange<br>With threaded flange | 2–12                | 7.5/7.62<br>7.62 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |
|               | GMSTB 2,5/...-GF-EX                     | With threaded flange                   | 2–12                | 7.62             | 12 IEC                           | 352 IEC                             | 0°                   |
|               | GMSTBV 2,5/...-GF-EX                    | With threaded flange                   | 2–12                | 7.62             | 12 IEC                           | 352 IEC                             | 90°                  |

|  Web code: #0791 | Inverted headers: wave soldering, female |                                        |                     |       |                                  |                                     |                      |
|----------------------------------------------------------------------------------------------------|------------------------------------------|----------------------------------------|---------------------|-------|----------------------------------|-------------------------------------|----------------------|
|                                                                                                    | Product range                            | Notes                                  | Number of positions | Pitch | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|                 | IC 2,5/...-G<br>IC 2,5/...-GF            | Without flange<br>With threaded flange | 2–24<br>2–20        | 5.08  | 12 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>250 UL (B)<br>300 UL (D) | 0°                   |
|                 | ICV 2,5/...-G<br>ICV 2,5/...-GF          | Without flange<br>With threaded flange | 2–24<br>2–20        | 5.08  | 12 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>250 UL (B)<br>300 UL (D) | 90°                  |
|                 | IC 2,5/...-GF-EX                         | With threaded flange                   | 2–12                | 5.08  | 12 IEC                           | 176 IEC                             | 0°                   |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB connectors for conductor cross sections up to 2.5 mm<sup>2</sup> (AWG 14)

| i Web code: #0791                                                                 | Inverted headers: wave soldering, female |                                        |                     |       |                                  |                                     |                      |
|-----------------------------------------------------------------------------------|------------------------------------------|----------------------------------------|---------------------|-------|----------------------------------|-------------------------------------|----------------------|
|                                                                                   | Product range                            | Notes                                  | Number of positions | Pitch | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|  | ICV 2,5/...-GF-EX                        | With threaded flange                   | 2–12                | 5.08  | 12 IEC                           | 176 IEC                             | 90°                  |
|  | GIC 2,5/...-G<br>GIC 2,5/...-GF          | Without flange<br>With threaded flange | 2–12                | 7.62  | 12 IEC<br>12 UL (B)<br>10 UL (D) | 630 IEC<br>250 UL (B)<br>300 UL (D) | 0°                   |
|  | GICV 2,5/...-G<br>GICV 2,5/...-GF        | Without flange<br>With threaded flange | 2–12                | 7.62  | 12 IEC<br>12 UL (B)<br>10 UL (D) | 630 IEC<br>250 UL (B)<br>300 UL (D) | 90°                  |

| i Web code: #0792                                                                 | Headers: Press-in technology, male |                                        |                     |          |                                  |                                     |                      |
|-----------------------------------------------------------------------------------|------------------------------------|----------------------------------------|---------------------|----------|----------------------------------|-------------------------------------|----------------------|
|                                                                                   | Product range                      | Notes                                  | Number of positions | Pitch    | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|  | EMSTBA 2,5/...-G                   | Without flange<br>With threaded flange | 2–24<br>2–20        | 5.0/5.08 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|  | EMSTBVA 2,5/...-G                  | Without flange<br>With threaded flange | 2–24<br>2–20        | 5.0/5.08 | 12 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |

| i Web code: #0793                                                                   | Feed-through connectors, male                 |                                        |                     |          |                                  |                                     |                      |
|-------------------------------------------------------------------------------------|-----------------------------------------------|----------------------------------------|---------------------|----------|----------------------------------|-------------------------------------|----------------------|
|                                                                                     | Product range                                 | Notes                                  | Number of positions | Pitch    | Current <sup>1</sup> (A)         | Voltage <sup>1,2</sup> (V)          | Connection direction |
|  | DFK-MSTB 2,5/...-G<br>DFK-MSTB 2,5/...-GF     | Without flange<br>With threaded flange | 2–16                | 5.0/5.08 | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|  | DFK-MSTBA 2,5/...-G<br>DFK-MSTBA 2,5/...-GF   | Without flange<br>With threaded flange | 2–16                | 5.08     | 12 IEC<br>15 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 0°                   |
|  | DFK-MSTBVA 2,5/...-G<br>DFK-MSTBVA 2,5/...-GF | Without flange<br>With threaded flange | 2–16                | 5.08     | 12 IEC<br>12 UL (B)<br>10 UL (D) | 320 IEC<br>300 UL (B)<br>300 UL (D) | 90°                  |

## PCB connectors for conductor cross sections up to 2.5 mm<sup>2</sup> (AWG 14) of the HC series

| i Web code: #0794                                                                   | Plugs: screw connection, female               |                                                                              |                     |          |                          |                            |                      |
|-------------------------------------------------------------------------------------|-----------------------------------------------|------------------------------------------------------------------------------|---------------------|----------|--------------------------|----------------------------|----------------------|
|                                                                                     | Product range                                 | Notes                                                                        | Number of positions | Pitch    | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | MSTB 2,5 HC/...-ST<br>MSTB 2,5 HC/...-STF     | Without flange<br>With screw flange                                          | 2–12                | 5.0/5.08 | 16 IEC<br>16 UL (B)      | 320 IEC<br>300 UL (B)      | 0°                   |
|  | MSTBT 2,5 HC/...-ST                           | Mating area offset at top                                                    | 2–12                | 5        | 16 IEC<br>16 UL (B)      | 320 IEC<br>300 UL (B)      | 0°                   |
|  | MVSTBR 2,5 HC/...-ST<br>MVSTBR 2,5 HC/...-STF | Conductor entry facing the encoded side, without flange<br>With screw flange | 2–12                | 5/5.08   | 16 IEC<br>16 UL (B)      | 320 IEC<br>300 UL (B)      | 90°                  |

|  Web code: #0794 | Plugs: screw connection, female                 |                                                                              |                     |          |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------|------------------------------------------------------------------------------|---------------------|----------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                                   | Notes                                                                        | Number of positions | Pitch    | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | MVSTBW 2,5 HC/...-ST<br>MVSTBW 2,5 HC/...-STF   | Conductor entry facing the rippled side, without flange<br>With screw flange | 2–12                | 5.0/5.08 | 16 IEC<br>16 UL (B)      | 320 IEC<br>300 UL (B)      | 270°                 |
|                 | GMSTB 2,5 HCV/...-ST<br>GMSTB 2,5 HCV/...-ST-LR | Without flange<br>With Lock and Release locking                              | 2–12                | 7.62     | 16 IEC<br>18,5 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                 | GMVSTBW 2,5 HV/...-ST                           | Conductor entry facing the rippled side                                      | 2–4                 | 7.62     | 12 IEC<br>15 UL (B, C)   | 630 IEC<br>600 UL (B, C)   | 270°                 |
|                 | GMVSTBR 2,5 HV/...-ST                           | Conductor entry facing the encoded side                                      | 2–4                 | 7.62     | 12 IEC<br>15 UL (B, C)   | 630 IEC<br>600 UL (B, C)   | 90°                  |

|  Web code: #0795 | Inverted plugs: screw connection, male |       |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|----------------------------------------|-------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                          | Notes | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | GIC 2,5 HCV/...-ST                     |       | 2–12                | 7.62  | 16 IEC<br>18,5 UL (C)    | 1000 IEC<br>600 UL (C)     | 0°                   |

|  Web code: #0796 | Plugs: push-in spring connection, female |                                     |                     |          |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|------------------------------------------|-------------------------------------|---------------------|----------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                            | Notes                               | Number of positions | Pitch    | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|               | FKC 2,5 HC/...-ST<br>FKC 2,5 HC/...-STF  | Without flange<br>With screw flange | 2–12                | 5.0/5.08 | 16 IEC<br>16 UL (B)      | 320 IEC<br>300 UL (B)      | 0°                   |
|               | GFKC 2,5 HC/...-ST                       |                                     | 3–6                 | 7.62     | 16 IEC                   | 630 IEC                    | 0°                   |

|  Web code: #0797 | Inverted plugs: push-in spring connection, male |                                     |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                                   | Notes                               | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | FKIC 2,5 HC/...-ST<br>FKIC 2,5 HC/...-STF       | Without flange<br>With screw flange | 2–12                | 5.08  | 16 IEC<br>16 UL (B)      | 320 IEC<br>300 UL (B)      | 0°                   |

|  Web code: #0798 | Headers: wave soldering, male                 |                                                 |                     |          |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|-----------------------------------------------|-------------------------------------------------|---------------------|----------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                                 | Notes                                           | Number of positions | Pitch    | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | MSTBA 2,5 HC/...-G<br>MSTB 2,5 HC/...-GF      | Without flange<br>With threaded flange          | 2–12                | 5.0/5.08 | 16 IEC<br>16 UL (B)      | 320 IEC<br>300 UL (B)      | 0°                   |
|                 | MSTBVA 2,5 HC/...-G<br>MSTBV 2,5 HC/...-GF    | Without flange<br>With threaded flange          | 2–12                | 5.0/5.08 | 16 IEC<br>16 UL (B)      | 320 IEC<br>300 UL (B)      | 90°                  |
|                 | GMSTBA 2,5 HC/...-G<br>GMSTBA 2,5 HC/...-G-LR | Without flange<br>With Lock and Release locking | 2–12                | 7.62     | 16 IEC<br>18,5 UL (B)    | 600 IEC<br>300 UL (B)      | 0°                   |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB connectors for conductor cross sections up to 2.5 mm<sup>2</sup> (AWG 14) of the HC series

| i Web code: #0798                                                                 | Headers: wave soldering, male                   |                                                 |                     |       |                          |                            |                      |
|-----------------------------------------------------------------------------------|-------------------------------------------------|-------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                   | Product range                                   | Notes                                           | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | GMSTBVA 2,5 HC/...-G<br>GMSTBVA 2,5 HC/...-G-LR | Without flange<br>With Lock and Release locking | 2–12                | 7.62  | 16 IEC<br>18,5 UL (B)    | 630 IEC<br>300 UL (B)      | 90°                  |

| i Web code: #0799                                                                 | Inverted headers: wave soldering, female |                                        |                     |       |                          |                            |                      |
|-----------------------------------------------------------------------------------|------------------------------------------|----------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                   | Product range                            | Notes                                  | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | IC 2,5 HC/...-G<br>IC 2,5 HC/...-GF      | Without flange<br>With threaded flange | 2–12                | 5.08  | 16 IEC<br>16 UL (B)      | 320 IEC<br>300 UL (B)      | 0°                   |
|  | ICV 2,5 HC/...-G<br>ICV 2,5 HC/...-GF    | Without flange<br>With threaded flange | 2–12                | 5.08  | 16 IEC<br>16 UL (B)      | 320 IEC<br>300 UL (B)      | 90°                  |
|  | GIC 2,5 HC/...-G                         |                                        | 2–12                | 7.62  | 16 IEC<br>16 UL (B)      | 630 IEC<br>300 UL (B)      | 0°                   |
|  | GICV 2,5 HC/...-G                        |                                        | 2–12                | 7.62  | 16 IEC<br>16 UL (B)      | 630 IEC<br>300 UL (B)      | 90°                  |

## PCB connectors for conductor cross sections up to 4 mm<sup>2</sup> (AWG 12)

| i Web code: #0800                                                                   | Plugs: screw connection, female |                                     |                     |       |                          |                            |                      |
|-------------------------------------------------------------------------------------|---------------------------------|-------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                     | Product range                   | Notes                               | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | PC 4/...-ST<br>PC 4/...-STF     | Without flange<br>With screw flange | 2–12                | 7.62  | 20 IEC<br>20 UL (B, C)   | 630 IEC<br>300 UL (B, C)   | 0°                   |

| i Web code: #0801                                                                   | Plugs: crimp connection, female |                                                               |                     |       |                          |                            |                      |
|-------------------------------------------------------------------------------------|---------------------------------|---------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                     | Product range                   | Notes                                                         | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | PCC 4/...-ST                    | For crimp contacts STG-MTN 0,5 - 1,0<br>and STG-MTN 1,5 - 2,5 | 2–12                | 7.62  | 20 IEC<br>10 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |

| i Web code: #0802                                                                   | Headers: wave soldering, male |       |                     |       |                          |                            |                      |
|-------------------------------------------------------------------------------------|-------------------------------|-------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                     | Product range                 | Notes | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|  | PC 4/...-G                    |       | 2–12                | 7.62  | 20 IEC<br>20 UL (B, C)   | 630 IEC<br>300 UL (B, C)   | 0°                   |
|  | PCV 4/...-G                   |       | 2–12                | 7.62  | 20 IEC<br>20 UL (B, C)   | 630 IEC<br>300 UL (B, C)   | 90°                  |

|  Web code: #0803 | Feed-through connectors: screw connection, male |       |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|-------------------------------------------------|-------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                                   | Notes | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | DFK-PC 4/...-GF                                 |       | 2–12                | 7.62  | 20 IEC<br>35 UL (B, C)   | 630 IEC<br>300 UL (B, C)   | 0°                   |

|  Web code: #0804 | Feed-through connectors, slip-on connection, male |       |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------|-------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                                     | Notes | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | DFK-PC 4/...-G -FS4,8                             |       | 2–12                | 7.62  | 15 IEC<br>20 UL (B, C)   | 400 IEC<br>300 UL (B, C)   | 0°                   |

|  Web code: #0805 | DIN rail plugs: screw connection, male |                                                      |                       |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------------------------|-----------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                          | Notes                                                | Number of positions   | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | PCVK 4                                 | For mounting on NS 15                                | 1 pos. can be aligned | 7.62  | 20 IEC<br>20 UL (B, C)   | 630 IEC<br>300 UL (B, C)   | 0°                   |
|                 | UPCV3K 4                               | With three plug outlets for mounting on NS 32 and 35 | 1 pos. can be aligned | 7.62  | 20 IEC<br>20 UL (B, C)   | 1000 IEC<br>300 UL (B, C)  | 0°                   |

## PCB connectors for conductor cross sections up to 6 mm<sup>2</sup> (AWG 10)

|  Web code: #0806 | Plugs: screw connection, female                    |                                                                    |                     |       |                          |                            |                      |
|---------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                   | Product range                                      | Notes                                                              | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                | PC 5/...-ST1<br>PC 5/...-STF1-SH<br>PC 5/...-STCL1 | Without flange<br>With screw flange<br>With Click and Lock locking | 2–12                | 7.62  | 41 IEC<br>41 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                | PC 5/...-STF1-SH                                   | With screw flange and shield                                       | 2–4                 | 7.62  | 41 IEC<br>41 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |

|  Web code: #0807 | Inverted plugs: screw connection, male                             |                                                                                            |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                                                      | Notes                                                                                      | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | IPC 5/...-ST<br>IPC 5/...-STF<br>IPC 5/...-STGF<br>IPC 5/...-STGCL | Without flange<br>With screw flange<br>With threaded flange<br>With Click and Lock locking | 2–12                | 7.62  | 41 IEC<br>41 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                 | IPC 5/...-STF-SH<br>IPC 5/...-STGF-SH                              | With screw flange and shield<br>With threaded flange and shield                            | 4                   | 7.62  | 41 IEC<br>41 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |

|  Web code: #0808 | Plugs: push-in spring connection, female        |                                                                    |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                                   | Notes                                                              | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | SPC 5/...-ST<br>SPC 5/...-STF<br>SPC 5/...-STCL | Without flange<br>With screw flange<br>With Click and Lock locking | 2–12                | 7.62  | 41 IEC<br>35 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB connectors for conductor cross sections up to 6 mm<sup>2</sup> (AWG 10)

|  Web code: #0808   | Plugs: push-in spring connection, female                   |                                                                                                                               |                     |       |                          |                            |                      |
|-----------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                     | Product range                                              | Notes                                                                                                                         | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                    | SPC 5/...-STF-SH                                           | With screw flange and shield                                                                                                  | 4                   | 7.62  | 41 IEC<br>35 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                    | TSPC 5/...-ST<br>TSPC 5/...-STF<br>TSPC 5/...-STCL         | TWIN design, without flange<br>With screw flange<br>With Click and Lock locking                                               | 2–12                | 7.62  | 41 IEC<br>31 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|  Web code: #0809   | Inverted plugs: push-in spring connection, male            |                                                                                                                               |                     |       |                          |                            |                      |
|                                                                                                     | Product range                                              | Notes                                                                                                                         | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                    | ISPC 5/...-STGCL<br>ISPC 5/...-STF<br>ISPC 5/...-STGF      | With Click and Lock locking<br>With screw flange<br>With threaded flange                                                      | 2–12                | 7.62  | 41 IEC<br>35 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|  Web code: #0810   | Headers: wave soldering, male                              |                                                                                                                               |                     |       |                          |                            |                      |
|                                                                                                     | Product range                                              | Notes                                                                                                                         | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                    | PC 5/...-G<br>PC 5/...-GF<br>PC 5/...-GSF                  | Without flange (Click and Lock)<br>With threaded flange<br>With additional solder pin                                         | 2–12                | 7.62  | 41 IEC<br>41 UL (B, C)   | 630 IEC<br>150 UL (C)      | 0°                   |
|                   | PC 5/...-GU<br>PC 5/...-GFU                                | Without flange (Click and Lock)<br>With threaded flange                                                                       | 2–12                | 7.62  | 41 IEC<br>41 UL (B, C)   | 630 IEC<br>150 UL (C)      | 180°                 |
|                  | PCV 5/...-G<br>PCV 5/...-GF                                | Without flange (Click and Lock)<br>With threaded flange                                                                       | 2–12                | 7.62  | 41 IEC<br>41 UL (B, C)   | 630 IEC<br>150 UL (C)      | 90°                  |
|  Web code: #0811 | Inverted headers: wave soldering, female                   |                                                                                                                               |                     |       |                          |                            |                      |
|                                                                                                     | Product range                                              | Notes                                                                                                                         | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                  | IPC 5/...-G<br>IPC 5/...-GF                                | Without flange<br>With threaded flange                                                                                        | 2–12                | 7.62  | 41 IEC<br>41 UL (B, C)   | 630 IEC<br>300 UL (B, C)   | 0°                   |
|                  | IPC 5/...-GU<br>IPC 5/...-GFU                              | Without flange<br>With threaded flange                                                                                        | 2–12                | 7.62  | 41 IEC<br>41 UL (B, C)   | 630 IEC<br>300 UL (B, C)   | 180°                 |
|                  | IPCV 5/...-G<br>IPCV 5/...-GF                              | Without flange<br>With threaded flange                                                                                        | 2–12                | 7.62  | 41 IEC<br>41 UL (B, C)   | 630 IEC<br>300 UL (B, C)   | 90°                  |
|  Web code: #0812 | Feed-through connectors: screw connection, male            |                                                                                                                               |                     |       |                          |                            |                      |
|                                                                                                     | Product range                                              | Notes                                                                                                                         | Number of pos.      | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                  | DFK-PC 5/...-ST<br>DFK-PC 5/...-STF<br>DFK-PC 5/...-STF-SH | Without flange (Click and Lock)<br>With threaded flange and shield connection<br>With threaded flange and shield feed-through | 2–12                | 7.62  | 41 IEC<br>41 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |

|  Web code: #0813 | Feed-through headers: wave soldering, male                 |                                                                                                                               |                |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|----------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                                              | Notes                                                                                                                         | Number of pos. | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | DFK-PC 5/...-G<br>DFK-PC 5/...-GF<br>DFK-PC 5/...-GF-SH    | Without flange (Click and Lock)<br>With threaded flange and shield connection<br>With threaded flange and shield feed-through | 2–12           | 7.62  | 41 IEC<br>41 UL (C)      | 1000 IEC<br>150 UL (C)     | 0°                   |
|                 | DFK-PC 5/...-GU<br>DFK-PC 5/...-GFU<br>DFK-PC 5/...-GFU-SH | Without flange (Click and Lock)<br>With threaded flange and shield connection<br>With threaded flange and shield feed-through | 2–12           | 7.62  | 41 IEC<br>41 UL (C)      | 1000 IEC<br>150 UL (C)     | 180°                 |
|                 | DFK-PCV 5/...-G<br>DFK-PCV 5/...-GF                        | Without flange (Click and Lock)<br>With threaded flange and shield connection                                                 | 2–12           | 7.62  | 41 IEC<br>41 UL (C)      | 1000 IEC<br>150 UL (C)     | 90°                  |

## PCB connectors for conductor cross sections up to 16 mm<sup>2</sup> (AWG 6)

|  Web code: #0814 | Plugs: screw connection, female |                                                  |                     |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|---------------------------------|--------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                   | Notes                                            | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | PC 6/...-ST<br>PC 6/...-STF     | Without flange<br>With screw flange              | 2–8                 | 10.16 | 41 IEC<br>50 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                 | PC 6/...-STF-SH                 | With shield                                      | 3–4                 | 10.16 | 41 IEC<br>50 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|               | PC 16/...-ST<br>PC 16/...-STF   | Without flange<br>With screw flange              | 2–9                 | 10.16 | 76 IEC<br>55 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|               | PC 16/...-STF-SH                | With screw flange and shield                     | 3–4                 | 10.16 | 76 IEC<br>55 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|               | TPC 16/...-ST<br>TPC 16/...-STF | TWIN design, without flange<br>With screw flange | 2–9                 | 10.16 | 76 IEC<br>60 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |

|  Web code: #0815 | Inverted plugs: screw connection, male |                                     |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|----------------------------------------|-------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                          | Notes                               | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | IPC 16/...-ST<br>IPC 16/...-STF        | Without flange<br>With screw flange | 2–9                 | 10.16 | 76 IEC<br>55 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                 | IPC 16/...-STF-SH                      | With screw flange and shield        | 3–4                 | 10.16 | 76 IEC<br>55 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                 | IPC 16/...-STGF                        | With threaded flange                | 2–9                 | 10.16 | 76 IEC<br>55 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                 | IPC 16/...-STGF-SH                     | With threaded flange and shield     | 4                   | 10.16 | 76 IEC<br>55 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB connectors for conductor cross sections up to 16 mm<sup>2</sup> (AWG 6)

|  Web code: #0816   | Plugs: push-in spring connection, female                      |                                                                                                              |                |       |                          |                            |                      |
|-----------------------------------------------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                     | Product range                                                 | Notes                                                                                                        | Number of pos. | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1 2</sup> (V) | Connection direction |
|                    | SPC 16/...-ST<br>SPC 16/...-STF                               | Without flange<br>With screw flange                                                                          | 2–9            | 10.16 | 76 IEC<br>66 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                                                                                                     | SPC 16/...-STF-SH                                             | With screw flange<br>and shield                                                                              | 4              | 10.16 | 76 IEC<br>66 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|  Web code: #0817   | Inverted plugs: push-in spring connection, male               |                                                                                                              |                |       |                          |                            |                      |
|                                                                                                     | Product range                                                 | Notes                                                                                                        | Number of pos. | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1 2</sup> (V) | Connection direction |
|                    | ISPC 16/...-ST<br>ISPC 16/...-STF<br>ISPC 16/...-STGF         | Without flange<br>With screw flange<br>With threaded flange                                                  | 2–9            | 10.16 | 76 IEC<br>66 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|  Web code: #0818   | Headers: wave soldering, male                                 |                                                                                                              |                |       |                          |                            |                      |
|                                                                                                     | Product range                                                 | Notes                                                                                                        | Number of pos. | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1 2</sup> (V) | Connection direction |
|                    | PC 6-16/...-G1<br>PC 6-16/...-G1F                             | Without flange<br>With threaded flange                                                                       | 2–9            | 10.16 | 76 IEC<br>66 UL (B, C)   | 1000 IEC<br>300 UL (B, C)  | 0°                   |
|                                                                                                     | PC 6-16/...-G1U<br>PC 6-16/...-G1FU                           | Without flange<br>With threaded flange                                                                       | 2–9            | 10.16 | 76 IEC<br>66 UL (B, C)   | 1000 IEC<br>300 UL (B, C)  | 180°                 |
|                  | PCV 6-16/...-G1<br>PCV 6-16/...-G1F                           | Without flange<br>With threaded flange                                                                       | 2–9            | 10.16 | 76 IEC<br>66 UL (B, C)   | 1000 IEC<br>300 UL (B, C)  | 90°                  |
|  Web code: #0819 | Inverted headers: wave soldering, female                      |                                                                                                              |                |       |                          |                            |                      |
|                                                                                                     | Product range                                                 | Notes                                                                                                        | Number of pos. | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1 2</sup> (V) | Connection direction |
|                  | IPC 16/...-G<br>IPC 16/...-GF                                 | Without flange<br>With threaded flange                                                                       | 2–9            | 10.16 | 76 IEC<br>66 UL (B, C)   | 1000 IEC<br>300 UL (B, C)  | 0°                   |
|                                                                                                     | IPC 16/...-GU<br>IPC 16/...-GFU                               | Without flange<br>With threaded flange                                                                       | 2–9            | 10.16 | 76 IEC<br>66 UL (B, C)   | 1000 IEC<br>300 UL (B, C)  | 180°                 |
|                  | IPCV 16/...-G<br>IPCV 16/...-GF                               | Without flange<br>With threaded flange                                                                       | 2–9            | 10.16 | 76 IEC<br>66 UL (B, C)   | 1000 IEC<br>300 UL (B, C)  | 90°                  |
|  Web code: #0820 | Feed-through connectors: screw connection, male               |                                                                                                              |                |       |                          |                            |                      |
|                                                                                                     | Product range                                                 | Notes                                                                                                        | Number of pos. | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1 2</sup> (V) | Connection direction |
|                  | DFK-PC 16/...-ST<br>DFK-PC 16/...-STF<br>DFK-PC 16/...-STF-SH | Without flange<br>With threaded flange and shield connection<br>With threaded flange and shield feed-through | 2–9            | 10.16 | 76 IEC<br>55 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |

|  Web code: #0821 | Feed-through connectors: screw connection, female                |                                                                                                              |                |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                                                    | Notes                                                                                                        | Number of pos. | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | DFK-IPC 16/...-ST<br>DFK-IPC 16/...-STF<br>DFK-IPC 16/...-STF-SH | Without flange<br>With threaded flange and shield connection<br>With threaded flange and shield feed-through | 2–9            | 10.16 | 76 IEC<br>55 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |

|  Web code: #0822 | Feed-through headers: wave soldering, male                          |                                                                                                              |                |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|---------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                                                       | Notes                                                                                                        | Number of pos. | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | DFK-PC 6-16/...-G<br>DFK-PC 6-16/...-GF<br>DFK-PC 6-16/...-GF-SH    | Without flange<br>With threaded flange and shield connection<br>With threaded flange and shield feed-through | 2–9            | 10.16 | 76 IEC<br>66 UL (B, C)   | 1000 IEC<br>300 UL (B, C)  | 0°                   |
|                 | DFK-PC 6-16/...-GU<br>DFK-PC 6-16/...-GFU<br>DFK-PC 6-16/...-GFU-SH | Without flange<br>With threaded flange and shield connection<br>With threaded flange and shield feed-through | 2–9            | 10.16 | 76 IEC<br>66 UL (B, C)   | 1000 IEC<br>300 UL (B, C)  | 180°                 |
|                 | DFK-PCV 6-16/...-G<br>DFK-PCV 6-16/...-GF                           | Without flange<br>With threaded flange and shield connection                                                 | 2–9            | 10.16 | 76 IEC<br>66 UL (B, C)   | 1000 IEC<br>300 UL (B, C)  | 90°                  |

|  Web code: #0823 | Inverted feed-through headers: wave soldering, female            |                                                                                                              |                |       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|----------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product range                                                    | Notes                                                                                                        | Number of pos. | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                | DFK-IPC 16/...-G<br>DFK-IPC 16/...-GF<br>DFK-IPC 16/...-GF-SH    | Without flange<br>With threaded flange and shield connection<br>With threaded flange and shield feed-through | 2–9            | 10.16 | 76 IEC<br>66 UL (B, C)   | 1000 IEC<br>300 UL (B, C)  | 0°                   |
|               | DFK-IPC 16/...-GU<br>DFK-IPC 16/...-GFU<br>DFK-IPC 16/...-GFU-SH | Without flange<br>With threaded flange and shield connection<br>With threaded flange and shield feed-through | 2–9            | 10.16 | 76 IEC<br>66 UL (B, C)   | 1000 IEC<br>300 UL (B, C)  | 180°                 |
|               | DFK-IPCV 16/...-G<br>DFK-IPCV 16/...-GF                          | Without flange<br>With threaded flange and shield connection                                                 | 2–9            | 10.16 | 76 IEC<br>66 UL (B, C)   | 1000 IEC<br>300 UL (B, C)  | 90°                  |

|  Web code: #0824 | Direct plugs: screw connection, female |                                    |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                          | Notes                              | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | PCU 6/...-STD                          | Plug-in block for direct fastening | 2–9                 | 10.16 | 41 IEC<br>50 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |

## PCB connectors for conductor cross sections up to 35 mm<sup>2</sup> (AWG 2)

|  Web code: #0825 | Plugs: screw connection, female |                              |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|---------------------------------|------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                   | Notes                        | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | PC 35 HC/...-STF                | With screw flange            | 2–6                 | 15    | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                 | PC 35 HC/...-STF-SH             | With screw flange and shield | 4                   | 15    | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 0°                   |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## PCB connectors for conductor cross sections up to 35 mm<sup>2</sup> (AWG 2)

|  Web code: #0826  | Inverted plugs: screw connection, male      |                                                                 |                     |       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|---------------------------------------------|-----------------------------------------------------------------|---------------------|-------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product range                               | Notes                                                           | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                   | IPC 35 HC/...STF<br>IPC 35 HC/...STGF       | With screw flange<br>With threaded flange                       | 2–6                 | 15    | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                   | IPC 35 HC/...STF-SH<br>IPC 35 HC/...STGF-SH | With screw flange and shield<br>With threaded flange and shield | 4                   | 15    | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|  Web code: #0827  | Headers: wave soldering, male               |                                                                 |                     |       |                          |                            |                      |
|                                                                                                    | Product range                               | Notes                                                           | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                   | PC 35 HC/...GF                              | With screw flange                                               | 2–6                 | 15    | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                   | PC 35 HC/...GF-SH                           | With screw flange<br>With shield connection                     | 4                   | 15    | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                   | PCV 35 HC/...GF                             | With screw flange                                               | 2–6                 | 15    | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 90°                  |
|  Web code: #0828 | Inverted headers: wave soldering, female    |                                                                 |                     |       |                          |                            |                      |
|                                                                                                    | Product range                               | Notes                                                           | Number of positions | Pitch | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | IPC 35 HC/...GF                             | With screw flange                                               | 2–6                 | 15    | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                 | DFK-IPC 35 HC/...GF                         | With screw flange<br>With shield connection                     | 2–6                 | 15    | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                 | IPCV 35 HC/...GF                            | With screw flange                                               | 2–6                 | 15    | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 90°                  |
|                 | DFK-IPCV 35 HC/...GF                        | With screw flange<br>With shield connection                     | 2–6                 | 15    | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 90°                  |



# High-current feed-through terminal blocks 4 mm<sup>2</sup> to 150 mm<sup>2</sup>

## High-current feed-through terminal blocks for cross sections of up to 4 mm<sup>2</sup> (AWG 10)

|  Web code: #0829 | Screw connection                    |                                      |                                              |                       |                          |                            |                      |
|---------------------------------------------------------------------------------------------------|-------------------------------------|--------------------------------------|----------------------------------------------|-----------------------|--------------------------|----------------------------|----------------------|
|                                                                                                   | Product name                        | Connection, interior                 | Notes                                        | Number of positions   | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                  | VDFK 4                              | Solder connection                    | Fastening with knurled nut or locking wedge  | 1 pos. can be aligned | 32 IEC<br>30 UL (C)      | 1000 IEC<br>150 UL (C)     | 0°                   |
|                  | DFK 4                               | Slip-on connection                   | Automatic latching mechanism in panel cutout | 1 pos. can be aligned | 17,5 IEC<br>15 UL (B)    | 1000 IEC<br>300 UL (B)     | 90°                  |
|                  | UW 4<br>UW 4-POT-SCM<br>UW 4-POT-SL | Screw, solder and slip-on connection | POT versions suitable for molding            | 1 pos. can be aligned | 32 IEC<br>30 UL (B, C)   | 630 IEC<br>300 UL (B, C)   | 0°                   |
|                  | UWV 4                               | Screw connection                     |                                              | 1 pos. can be aligned | 32 IEC<br>30 UL (B, C)   | 630 IEC<br>300 UL (B, C)   | -90°                 |

|  Web code: #0830 | Push-in spring connection         |                             |                                                                           |                       |                          |                            |                      |
|-----------------------------------------------------------------------------------------------------|-----------------------------------|-----------------------------|---------------------------------------------------------------------------|-----------------------|--------------------------|----------------------------|----------------------|
|                                                                                                     | Product name                      | Connection, interior        | Notes                                                                     | Number of positions   | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                  | PW(O) 4-POT-SCM<br>PW(O) 4-POT-SL | Spade and solder connection | POT versions suitable for molding, available with and without push button | 1 pos. can be aligned | 32 IEC<br>30 UL (B, C)   | 1000 IEC<br>300 UL (B, C)  | 45°                  |

## High-current feed-through terminal blocks for cross sections of up to 10 mm<sup>2</sup> (AWG 8)

|  Web code: #1230 | Screw connection     |                             |                                             |                       |                          |                            |                      |
|-----------------------------------------------------------------------------------------------------|----------------------|-----------------------------|---------------------------------------------|-----------------------|--------------------------|----------------------------|----------------------|
|                                                                                                     | Product name         | Connection, interior        | Notes                                       | Number of positions   | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                  | VDFK 6               | Solder connection           | Fastening with knurled nut or locking wedge | 1 pos. can be aligned | 57 IEC<br>50 UL (C)      | 500 IEC<br>150 UL (C)      | 0°                   |
|                  | UW 10<br>UW 10-POT   | Screw and solder connection | POT versions suitable for molding           | 1 pos. can be aligned | 57 IEC<br>65 UL (B, C)   | 630 IEC<br>300 UL (B, C)   | 0°                   |
|                  | UWV 10<br>UWV 10-POT | Screw and solder connection | POT versions suitable for molding           | 1 pos. can be aligned | 57 IEC<br>65 UL (B, C)   | 630 IEC<br>300 UL (B, C)   | -90°                 |

|  Web code: #0832 | TWIN screw connection |                      |                   |                       |                          |                            |                      |
|-----------------------------------------------------------------------------------------------------|-----------------------|----------------------|-------------------|-----------------------|--------------------------|----------------------------|----------------------|
|                                                                                                     | Product name          | Connection, interior | Notes             | Number of positions   | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                  | HDFKV 10-TWIN         | Screw connection     | Double connection | 1 pos. can be aligned | 57 IEC<br>65 UL (C)      | 1000 IEC<br>150 UL (C)     | +90°/-90°            |

## High-current feed-through terminal blocks for cross sections of up to 16 mm<sup>2</sup> (AWG 6)

|  Web code: #0833 | Screw connection     |                           |                                   |                       |                          |                            |                      |
|--------------------------------------------------------------------------------------------------|----------------------|---------------------------|-----------------------------------|-----------------------|--------------------------|----------------------------|----------------------|
|                                                                                                  | Product name         | Connection, interior      | Notes                             | Number of positions   | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | UW 16<br>UW 16-POT   | Screw and bolt connection | POT versions suitable for molding | 1 pos. can be aligned | 76 IEC<br>85 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                 | UWV 16<br>UWV 16-POT | Screw and bolt connection | POT versions suitable for molding | 1 pos. can be aligned | 76 IEC<br>85 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | -90°                 |

|  Web code: #0834 | Push-in spring connection |                           |                                   |                       |                            |                            |                      |
|--------------------------------------------------------------------------------------------------|---------------------------|---------------------------|-----------------------------------|-----------------------|----------------------------|----------------------------|----------------------|
|                                                                                                  | Product name              | Connection, interior      | Notes                             | Number of positions   | Current <sup>1</sup> 3 (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | PWO 16-UW<br>PWO 16-POT   | Screw and bolt connection | POT versions suitable for molding | 1 pos. can be aligned | 76 IEC<br>76 UL (B, C)     | 1000 IEC<br>600 UL (B, C)  | 45°                  |

|  Web code: #0835 | Push-lock spring connection |                      |                     |                     |                          |                            |                      |
|---------------------------------------------------------------------------------------------------|-----------------------------|----------------------|---------------------|---------------------|--------------------------|----------------------------|----------------------|
|                                                                                                   | Product name                | Connection, interior | Notes               | Number of positions | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                | PLW 16-6                    | Push-in connection   | Mounting with wedge | 3–5                 | 41 IEC<br>40 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |

|  Web code: #0836 | Bolt connection            |                      |                                                           |                       |                          |                            |                      |
|----------------------------------------------------------------------------------------------------|----------------------------|----------------------|-----------------------------------------------------------|-----------------------|--------------------------|----------------------------|----------------------|
|                                                                                                    | Product name               | Connection, interior | Notes                                                     | Number of positions   | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Connection direction |
|                 | RW 5<br>RW 5-POT           | Bolt connection      | With captive cover nut, POT versions suitable for molding | 1 pos. can be aligned | 76 IEC<br>65 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                 | RWV 5<br>RWV 5-POT         | Bolt connection      | With captive cover nut, POT versions suitable for molding | 1 pos. can be aligned | 76 IEC<br>65 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | -90°                 |
|                 | RWO 5<br>RWO 5-POT         | Bolt connection      | Without cover, POT versions suitable for molding          | 1 pos. can be aligned | 76 IEC<br>65 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                 | RWOV 5<br>RWOV 5-POT       | Bolt connection      | Without cover, POT versions suitable for molding          | 1 pos. can be aligned | 76 IEC<br>65 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | -90°                 |
|                 | RWO 5-TC<br>RWO 5-POT-TC   | Bolt connection      | With transparent cover, POT versions suitable for molding | 1 pos. can be aligned | 76 IEC<br>65 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 0°                   |
|                 | RWOV 5-TC<br>RWOV 5-POT-TC | Bolt connection      | With transparent cover, POT versions suitable for molding | 1 pos. can be aligned | 76 IEC<br>65 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | -90°                 |

1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

## High-current feed-through terminal blocks for cross sections of up to 35 mm<sup>2</sup> (AWG 2)

|  Web code: #0837 | Screw connection     |                           |                                   |                            |                            |                       |                      |
|---------------------------------------------------------------------------------------------------|----------------------|---------------------------|-----------------------------------|----------------------------|----------------------------|-----------------------|----------------------|
|                                                                                                   | Product name         | Connection, interior      | Notes                             | Current <sup>1</sup> (A)   | Voltage <sup>1,2</sup> (V) | Number of positions   | Connection direction |
|                  | UW 25<br>UW 25-POT   | Screw and bolt connection | POT versions suitable for molding | 101 IEC<br>112,5 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 1 pos. can be aligned | 0°                   |
|                  | UWV 25<br>UWV 25-POT | Screw and bolt connection | POT versions suitable for molding | 101 IEC<br>112,5 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 1 pos. can be aligned | -90°                 |

|  Web code: #0838 | TWIN screw connection |                      |                   |                          |                            |                       |                      |
|---------------------------------------------------------------------------------------------------|-----------------------|----------------------|-------------------|--------------------------|----------------------------|-----------------------|----------------------|
|                                                                                                   | Product name          | Connection, interior | Notes             | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Number of positions   | Connection direction |
|                  | HDFKV 25-TWIN         | Screw connection     | Double connection | 101 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 1 pos. can be aligned | +90°/-90°            |

|  Web code: #0839 | Bolt connection            |                      |                                                             |                          |                            |                       |                      |
|---------------------------------------------------------------------------------------------------|----------------------------|----------------------|-------------------------------------------------------------|--------------------------|----------------------------|-----------------------|----------------------|
|                                                                                                   | Product name               | Connection, interior | Notes                                                       | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Number of positions   | Connection direction |
|                  | RW 8<br>RW 8-POT           | Bolt connection      | With captive cover nut<br>POT versions suitable for molding | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 1 pos. can be aligned | 0°                   |
|                  | RWV 8<br>RWV 8-POT         | Bolt connection      | With captive cover nut<br>POT versions suitable for molding | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 1 pos. can be aligned | -90°                 |
|                 | RWO 8<br>RWO 8-POT         | Bolt connection      | Without cover<br>POT versions suitable for molding          | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 1 pos. can be aligned | 0°                   |
|                | RWOV 8<br>RWOV 8-POT       | Bolt connection      | Without cover<br>POT versions suitable for molding          | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 1 pos. can be aligned | -90°                 |
|                | RWO 8-TC<br>RWO 8-POT-TC   | Bolt connection      | With transparent cover<br>POT versions suitable for molding | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 1 pos. can be aligned | 0°                   |
|                | RWOV 8-TC<br>RWOV 8-POT-TC | Bolt connection      | With transparent cover<br>POT versions suitable for molding | 125 IEC<br>115 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 1 pos. can be aligned | -90°                 |

## High-current feed-through terminal blocks for cross sections of up to 50 mm<sup>2</sup> (AWG 1/0)

|  Web code: #0840 | Screw connection        |                      |                                  |                          |                            |                       |                      |
|-----------------------------------------------------------------------------------------------------|-------------------------|----------------------|----------------------------------|--------------------------|----------------------------|-----------------------|----------------------|
|                                                                                                     | Product name            | Connection, interior | Notes                            | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Number of positions   | Connection direction |
|                  | HDFK 50<br>HDFK 50-VP   | Screw connection     | VP versions suitable for molding | 150 IEC<br>170 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 1 pos. can be aligned | 0°                   |
|                  | HDFKV 50<br>HDFKV 50-VP | Screw connection     | VP versions suitable for molding | 150 IEC<br>170 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 1 pos. can be aligned | -90°                 |

|  Web code: #0841 | T-LOX knee lever connection |                      |                                                      |                            |                            |                     |                      |
|-----------------------------------------------------------------------------------------------------|-----------------------------|----------------------|------------------------------------------------------|----------------------------|----------------------------|---------------------|----------------------|
|                                                                                                     | Product name                | Connection, interior | Notes                                                | Current <sup>1,3</sup> (A) | Voltage <sup>1,3</sup> (V) | Number of positions | Connection direction |
|                  | TW 50                       | Bolt connection      | Versions for direct connection, customer power strip | 150 IEC<br>150 UL (B,C)    | 1000 IEC<br>600 UL (B, C)  | 1–6                 | 0°                   |

## High-current feed-through terminal blocks for cross sections of up to 95 mm<sup>2</sup> (AWG 3/0)

|  Web code: #0842 | Screw connection                                     |                           |                                                                                              |                            |                            |                       |                      |
|--------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------------|----------------------------------------------------------------------------------------------|----------------------------|----------------------------|-----------------------|----------------------|
|                                                                                                  | Product name                                         | Connection, interior      | Notes                                                                                        | Current <sup>1</sup> 3 (A) | Voltage <sup>1,2</sup> (V) | Number of positions   | Connection direction |
|  <b>New</b>     | UW 95/S<br>UW 95-F/S<br>UW 95-POT/S<br>UW 95-F-POT/S | Screw and bolt connection | Without flange<br>With flange<br>Molded version without flange<br>Molded version with flange | 232 IEC<br>200 UL (B,C)    | 1000 IEC<br>600 UL (B, C)  | 1 pos. can be aligned | 0°                   |
|  <b>New</b>     | UWV 95/S<br>UWV 95-F/S                               | Screw connection          | Without flange<br>With screw flange                                                          | 232 IEC<br>200 UL (B,C)    | 1000 IEC<br>600 UL (B, C)  | 1 pos. can be aligned | -90°                 |
|                 | HDFK 95<br>HDFK 95-F<br>HDFK 95-F-VP                 | Screw and bolt connection | Versions with flange, VP versions suitable for molding                                       | 232 IEC<br>230 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 1 pos. can be aligned | 0°                   |
|                 | HDFKV 95<br>HDFKV 95-F                               | Screw connection          | Versions with flange                                                                         | 232 IEC<br>230 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 1 pos. can be aligned | -90°                 |

|  Web code: #0843 | T-LOX knee lever connection |                      |                                                        |                            |                            |                     |                      |
|--------------------------------------------------------------------------------------------------|-----------------------------|----------------------|--------------------------------------------------------|----------------------------|----------------------------|---------------------|----------------------|
|                                                                                                  | Product name                | Connection, interior | Notes                                                  | Current <sup>1</sup> 3 (A) | Voltage <sup>1</sup> 3 (V) | Number of positions | Connection direction |
|  <b>New</b>     | TW 95                       | Bolt connection      | Versions for direct connection<br>Customer power strip | 232 IEC<br>230 UL (B, C)   | 1000 IEC<br>600 UL (B, C)  | 1–6 pos.            | 0°                   |

## High-current feed-through terminal blocks for cross sections of up to 150 mm<sup>2</sup> (AWG 250)

|  Web code: #0844 | Screw connection |                      |                        |                          |                            |                       |                      |
|----------------------------------------------------------------------------------------------------|------------------|----------------------|------------------------|--------------------------|----------------------------|-----------------------|----------------------|
|                                                                                                    | Product name     | Connection, interior | Notes                  | Current <sup>1</sup> (A) | Voltage <sup>1,2</sup> (V) | Number of positions   | Connection direction |
|                 | RWO 10           | Bolt connection      | Without cover          | 309 IEC<br>309 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 1 pos. can be aligned | 0°                   |
|                 | RWO 10-TC        | Bolt connection      | With transparent cover | 309 IEC<br>309 UL (B, C) | 1000 IEC<br>600 UL (B, C)  | 1 pos. can be aligned | 0°                   |

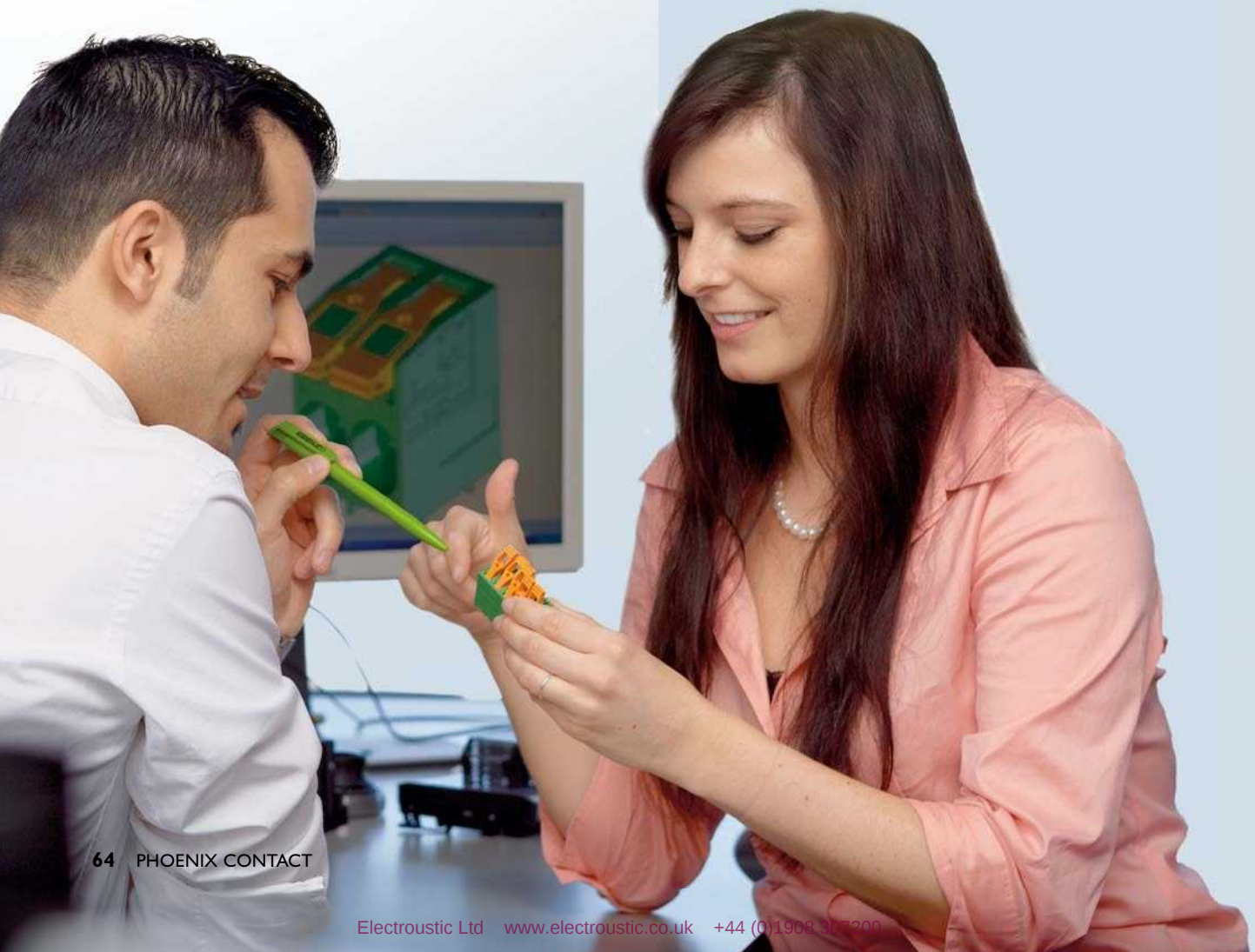
1) For more information on UL Use Groups A – F, see page 17

2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

3) The specified value is expected upon approval

# Customer-specific solutions

Variability takes many forms: different geometries, printings and colors or individual packaging make numerous solutions possible. In addition to customer-specific adaptations, Phoenix Contact also makes custom-tailored innovations according to your needs. We provide you with support from the initial idea to development and production to quality assurance.



## PCB terminal blocks and PCB connectors

### Color options

PCB terminal blocks and PCB connectors are available in various colors

### Coding

Individually-coded connectors and headers prevent mismatching



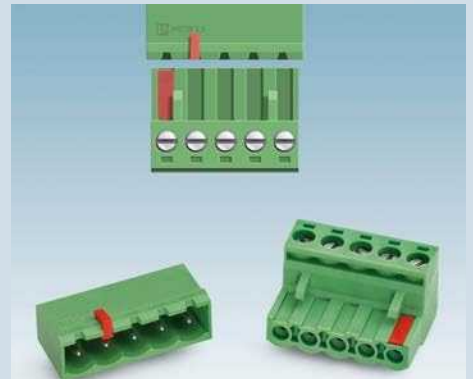
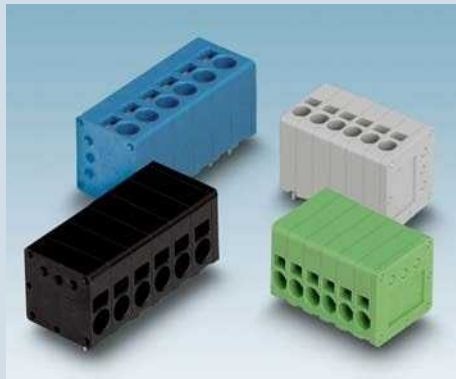
### Customer-specific innovation

An individual solution according to your specifications

### Marking

Marking connection components individually

## Individual solutions thanks to variants



### Color options

Phoenix Contact offers PCB terminal blocks and PCB connectors in the color variants green, black and light gray in standard conditions. In addition, gray versions are available for connectors and blue for PCB terminal blocks. Other colors on request.

### Marking

Phoenix Contact offers different printing techniques and processes for marking individual connection components. Black product housings are printed in white and all other colors in black. Complex printings on request.

### Coding

In order to avoid mismatching, Phoenix Contact offers coded connectors and headers. They are coded either by using a coding profile, tab or pin, or by removing the coding tap.

## Electronics housings

### Marking

Different marking processes fulfill every requirement



### Color options

Electronics housings are produced in individual colors

### Mechanical processing

Producing customer-specific cutouts on each side of the housing

## Individualize your housings



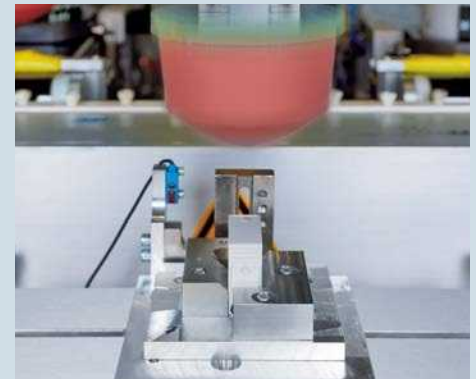
### Color options

We also produce electronics housings in colors other than the standard color, either completely or as a combination of different colored housing parts. Our ability to reproduce your own company color maximizes brand recognition value.



### Mechanical processing

We make customer-specific cutouts on each side of the housing with our state-of-the-art milling machines. This means that you do not have to carry out additional manufacturing work or deal with the associated logistical issues.



### Marking

We mark your housing or housing components according to your guidelines. By offering pad and screen printing as well as laser marking, we have the appropriate marking technique for every need.

## Cables and connectors

### Marking

Individually printed cable assemblies according to your guidelines

### Most variety

Molded connectors and connectors for assembly with cables or litz wires for direct circuit board assembly



**i** Web code:  
#1170



### Assembly

Individual cabling solutions based on circular and rectangular connectors

## Your individual cabling solution



### Assembly

Thanks to a multitude of designs, codings, and pin assignments, we can bring you consistent solutions for transmitting signals, data, and power. You can also receive assemblies with add-on components.



### Marking

We print your cables according to your specific guidelines. We have the right technique for every need, whether it be printing directly on the cable or using wrap-around labels.



### Labeling and packaging

You receive your individual cable assemblies in similarly individual packaging. On request, we will label these with your logo or with a barcode.

## In dialog with customers and partners worldwide

Phoenix Contact is a globally present, Germany-based market leader. Our group is synonym for future-oriented components, systems, and solutions in the fields of electrical engineering, electronics, and automation. A global network across more than 100 countries, and 14,500 employees ensure a close proximity to our customers, which we believe is particularly important.

The wide variety of our innovative products makes it easy for our customers to find future-oriented solutions for different applications and industries. We especially focus on the fields of energy, infrastructure, process and factory automation.



You will find our complete product range at:  
[phoenixcontact.com](http://phoenixcontact.com)

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