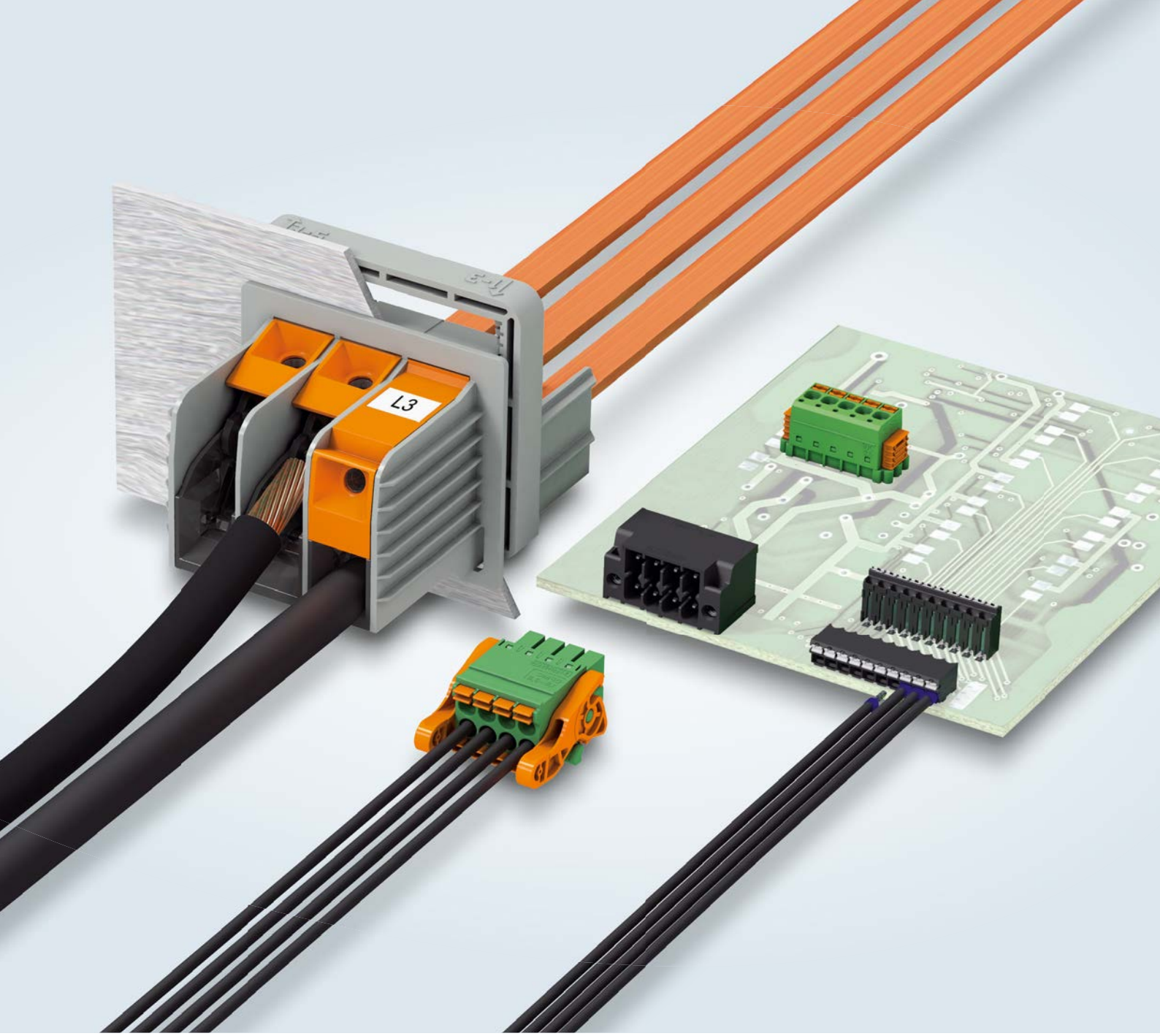


PCB terminal blocks and PCB connectors

Product overview 2017/2018

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

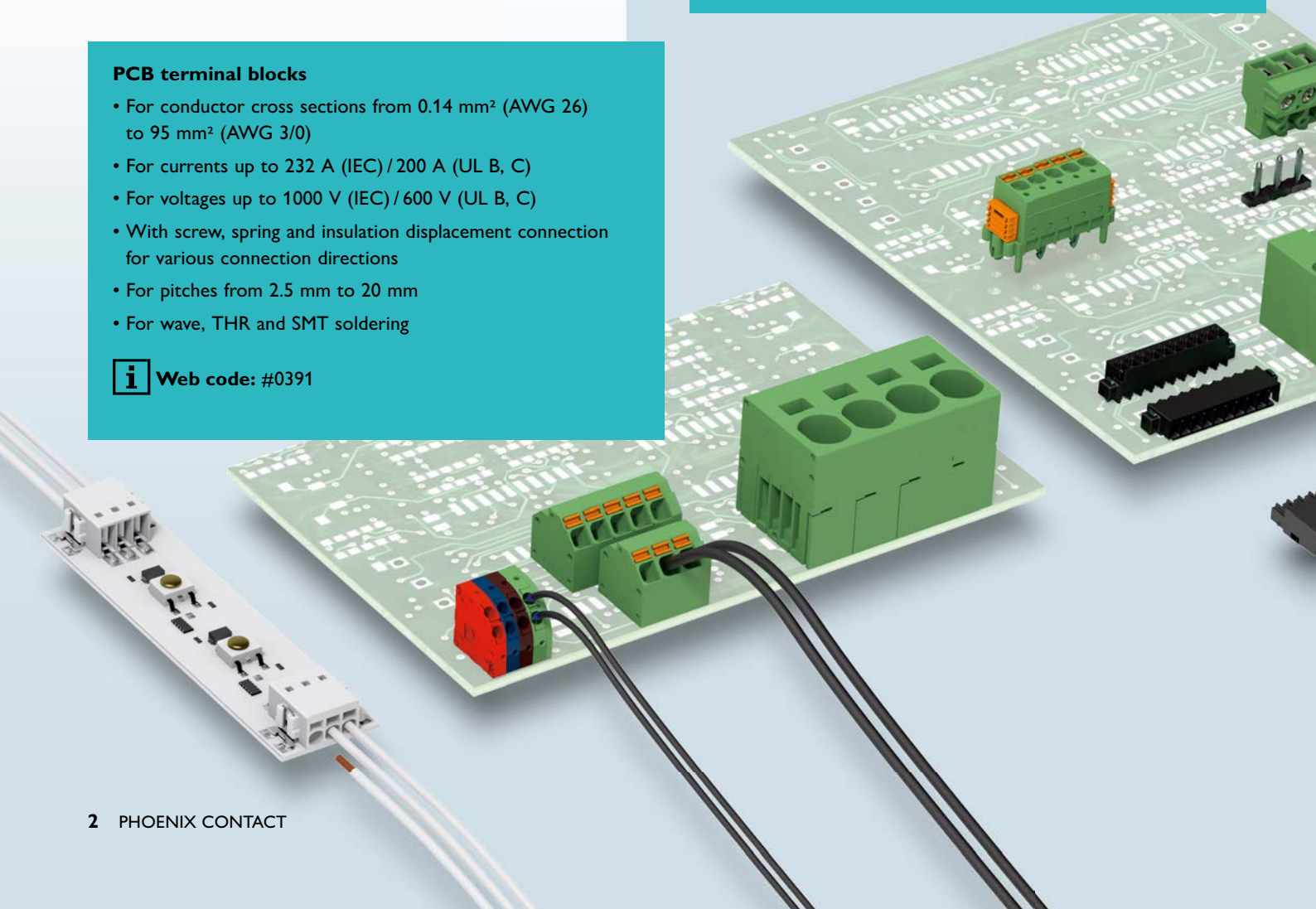
- For conductor cross sections from 0.14 mm² (AWG 26) to 35 mm² (AWG 2)
- For currents up to 125 A (IEC) / 115 A (UL B, C)
- For voltages up to 1000 V (IEC) / 600 V (UL B, C)
- With screw, spring, insulation displacement and crimp connection for various connection directions
- For pitches from 2.5 mm 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 mm² (AWG 26) to 95 mm² (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

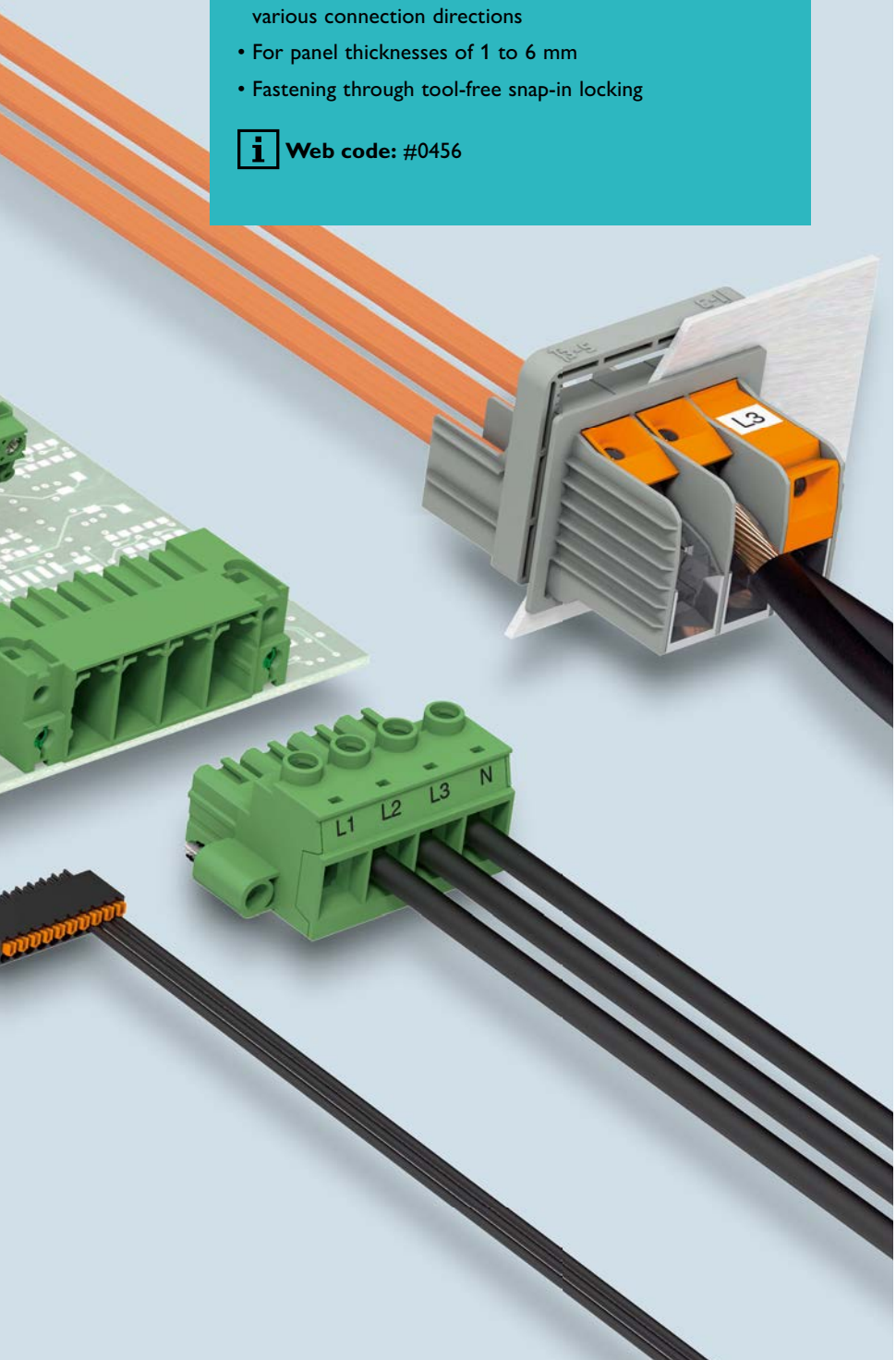
Web code: #0391



High-current feed-through terminal blocks

- For conductor cross sections from 4 mm² (AWG 10) to 150 mm² (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



Contents

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

#1234 Search

Or use the direct link:
phoenixcontact.net/webcode/#1234

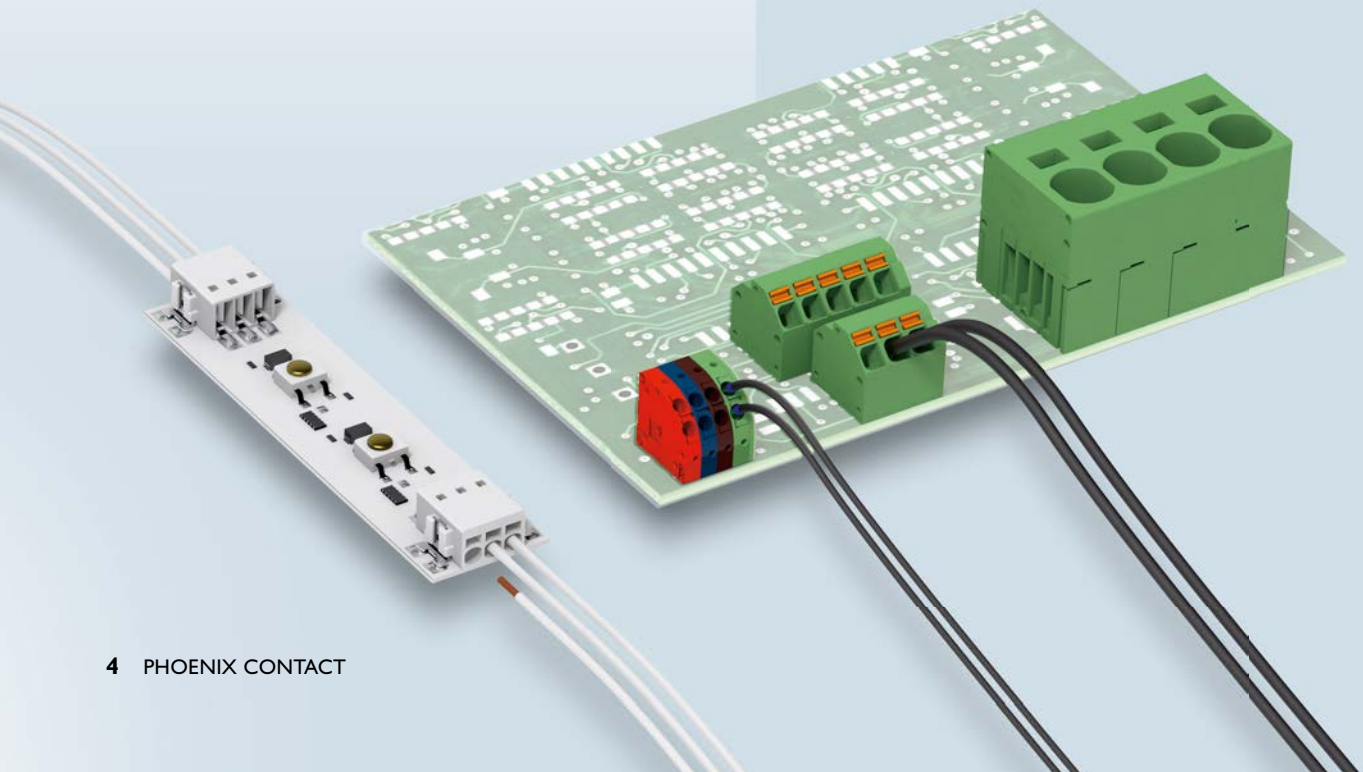
PCB terminal blocks

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 mm² (AWG 26) to 95 mm² (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

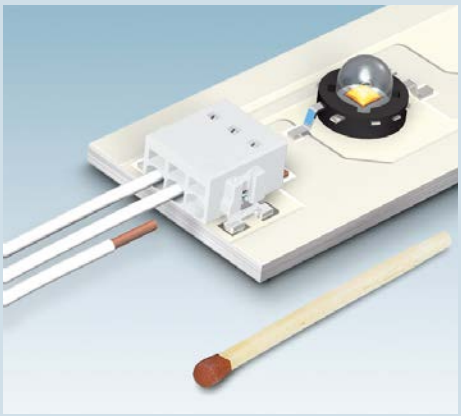
Web code:
#0391



Advantages at a glance

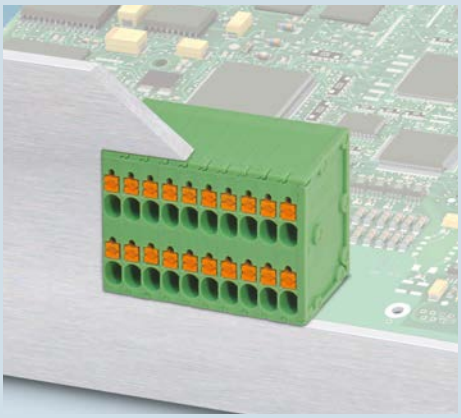
Individual markings

Printing, marking and color-coding



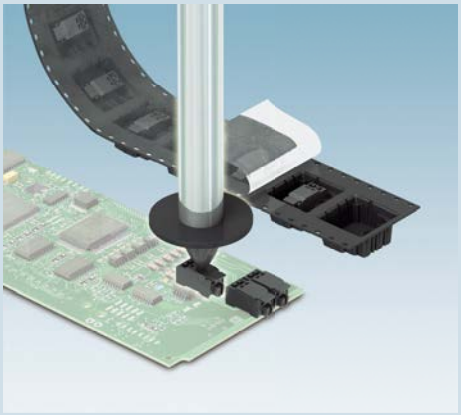
Compact design

Largest possible clamping space at small component size



Easy integration into the front of the device

Unique design and flush end of housing

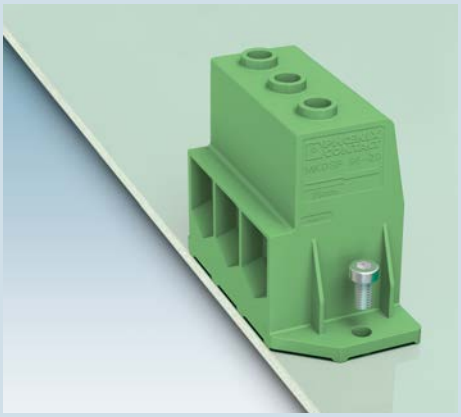


Process-optimized packaging

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

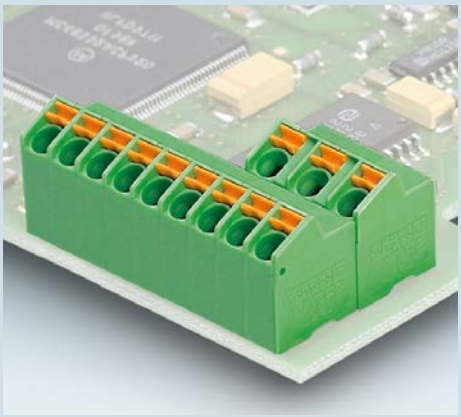
Multi-level designs

High packaging and connection density



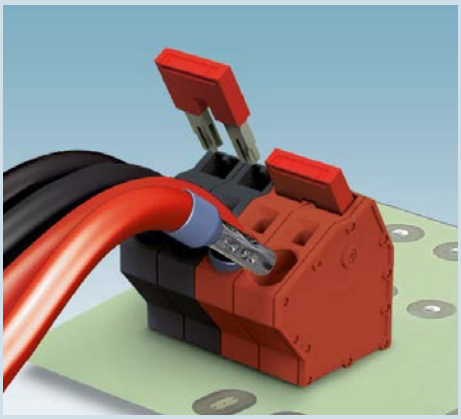
Safe mounting flange

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



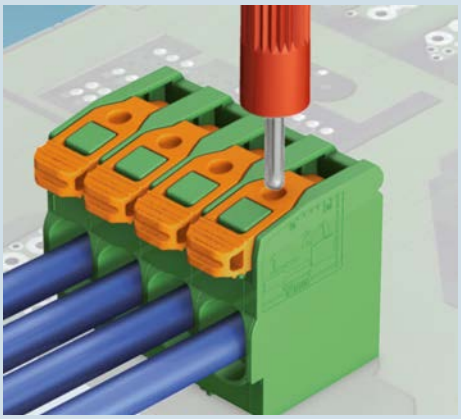
Multi-row assignment

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

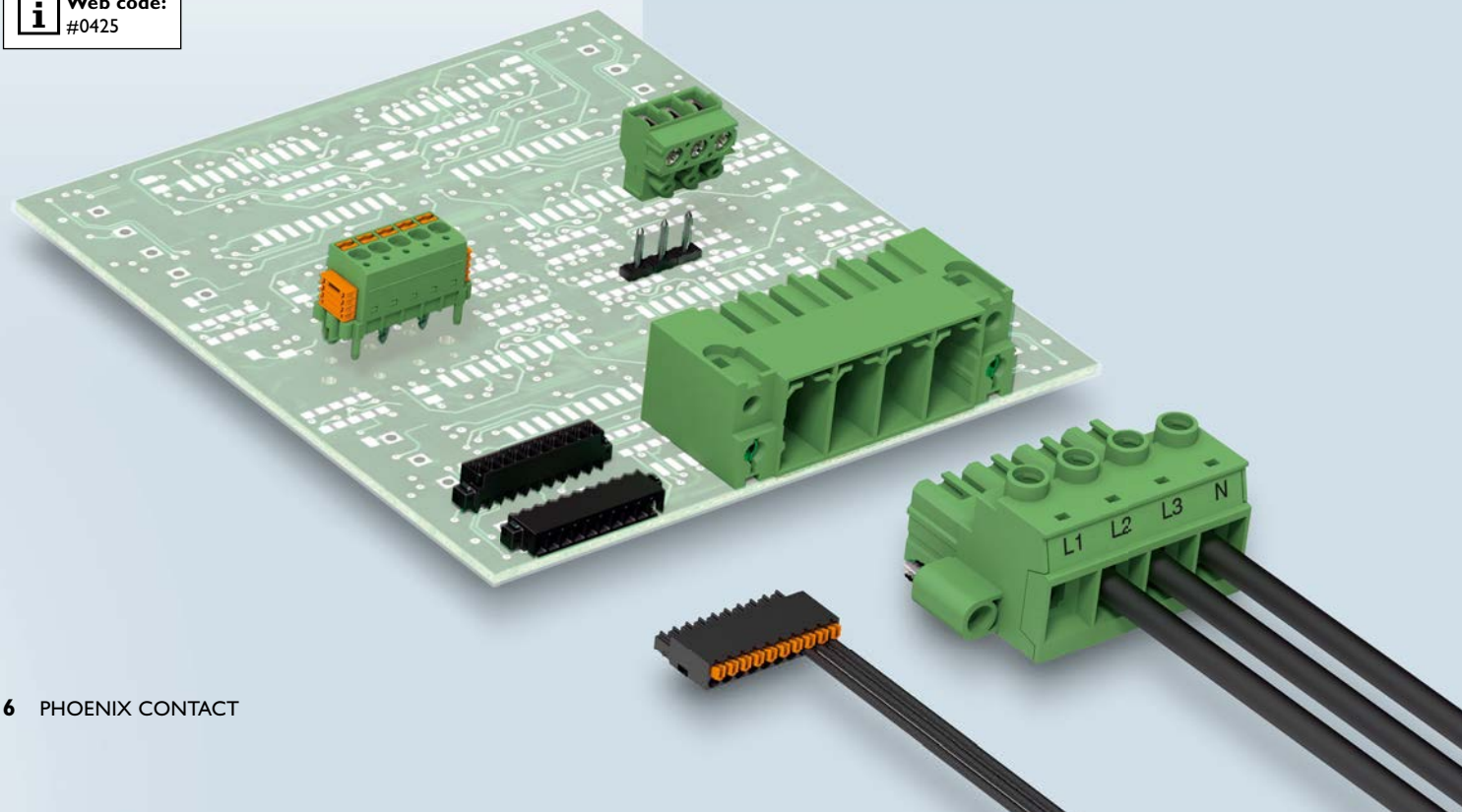
PCB connectors

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.

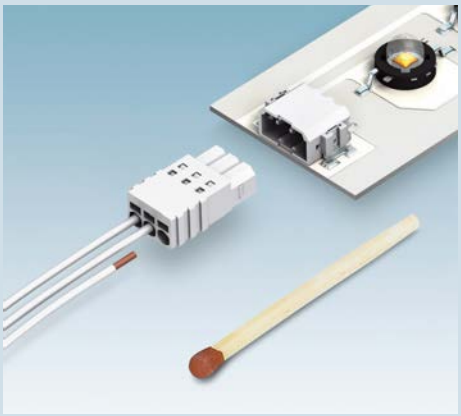
Main features

- For conductor cross sections from 0.14 mm² (AWG 26) to 35 mm² (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

Web code: #0425

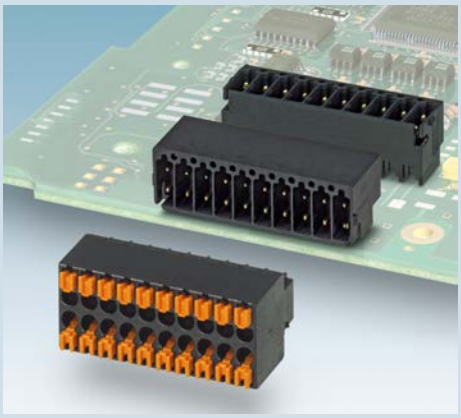


Advantages at a glance



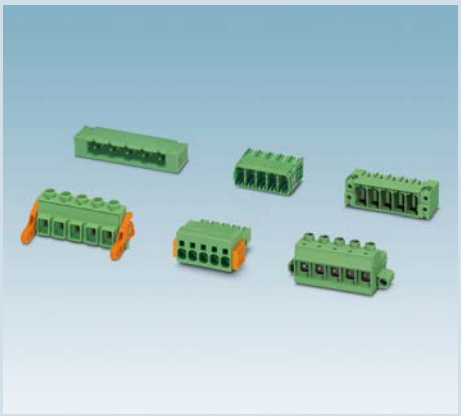
Compact design

Largest possible conductor cross section at small component size



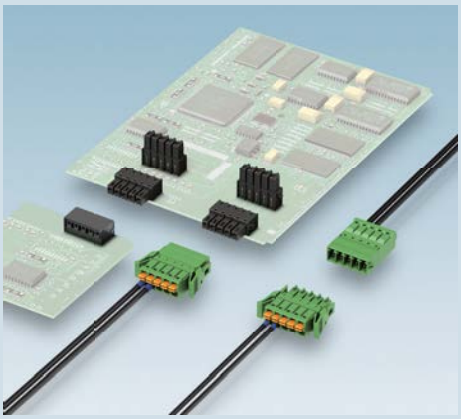
Multi-row connectors

Multi-row versions for connecting conductors on multiple levels



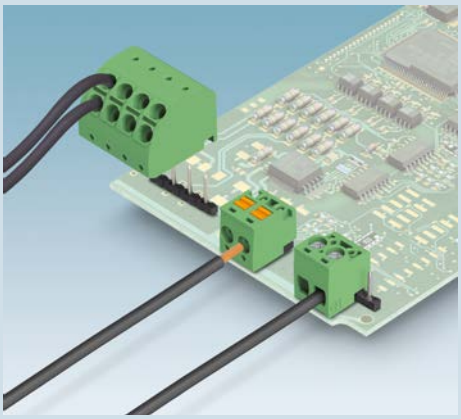
Innovative interlocking devices

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



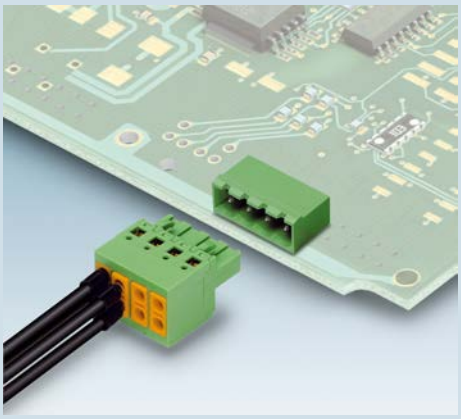
Numerous possible combinations

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

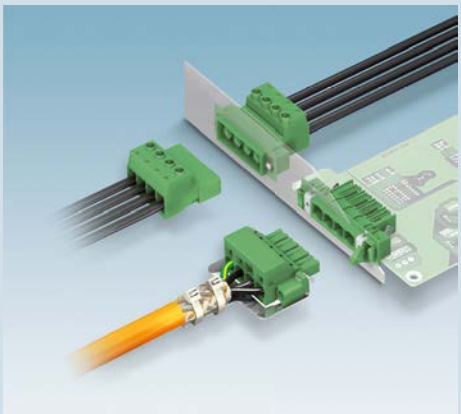


Space-saving TWIN design

Two conductor outputs on one terminal post

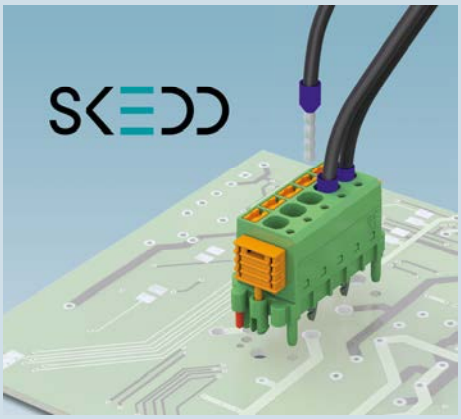
Mechanical coding

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

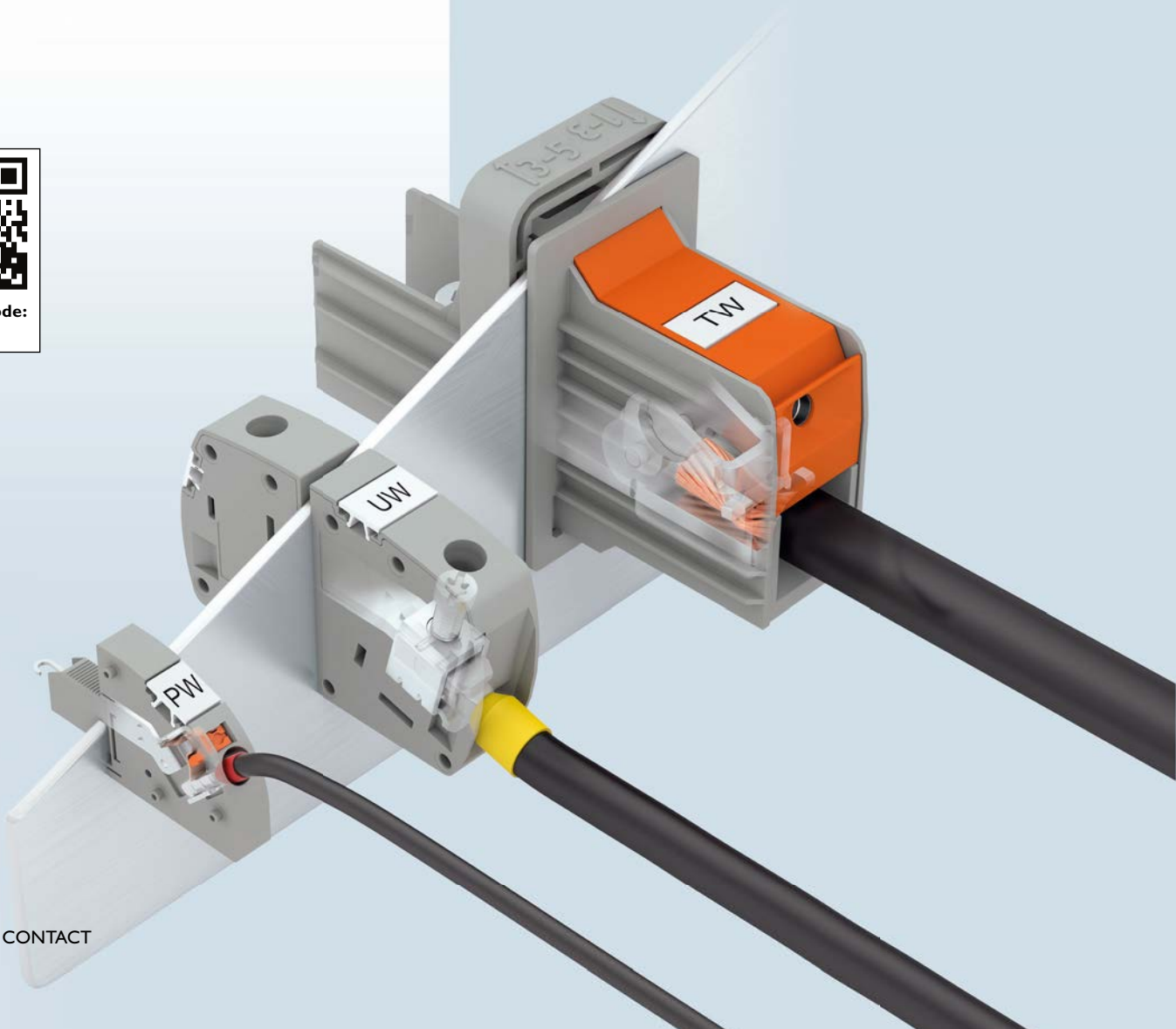
High-current feed-through terminal blocks

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).

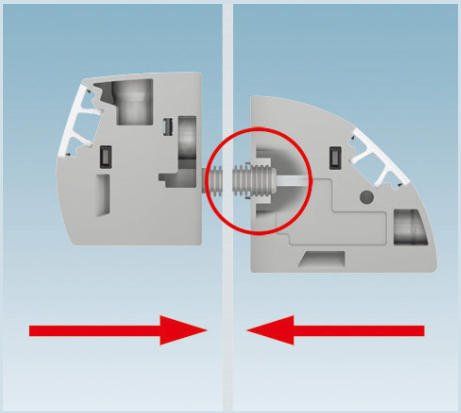
Main features

- For conductor cross sections from 4 mm² (AWG 10) to 150 mm² (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



Advantages at a glance

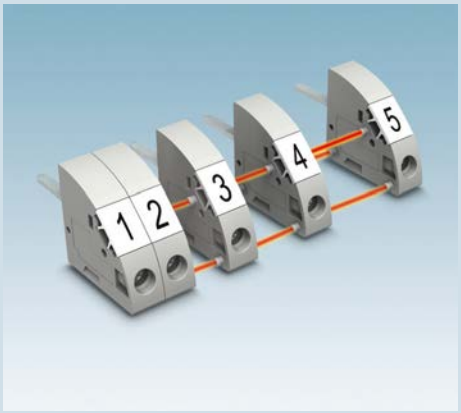


Easy assembly

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

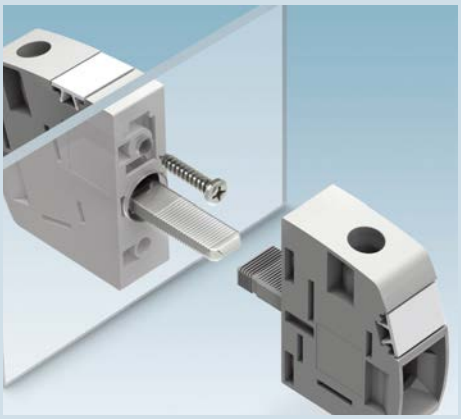
Clear marking

Marking groove integrated in the housing for clear marking



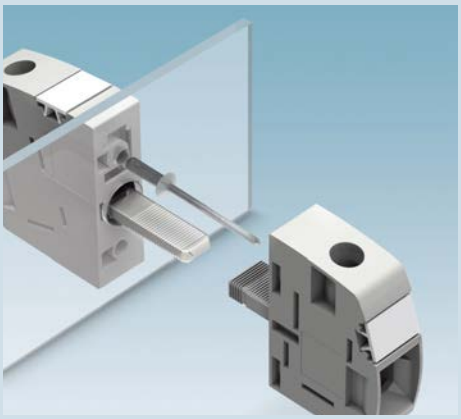
Convenient block formation

Form prefabricated blocks easily with securing pin versions



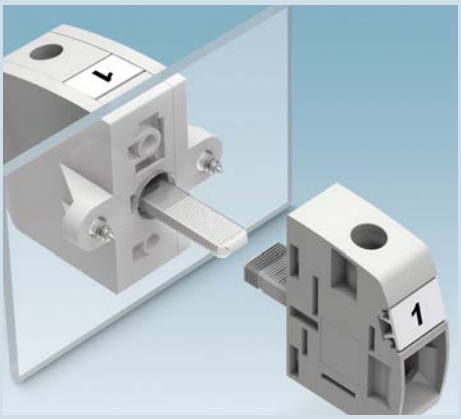
Screw fastening

Alternative fastening option inside device



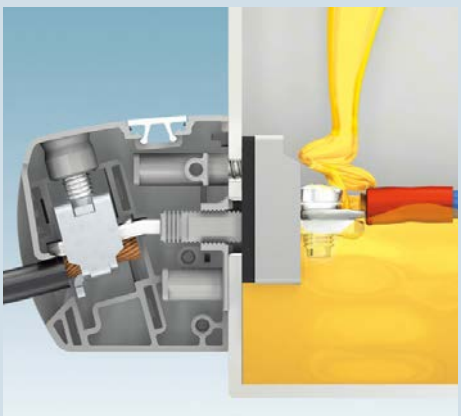
Rivet fastening

Alternative fastening option inside device



Flange fastening

Alternative fastening option outside device

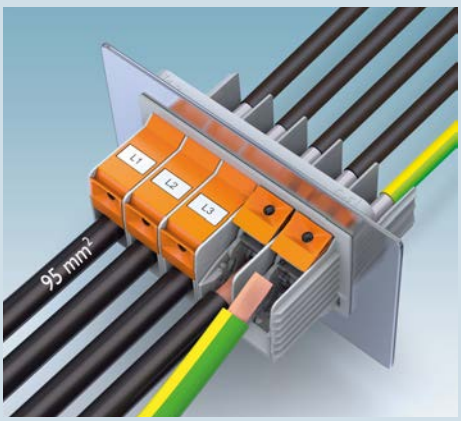


Maximum tightness

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 mm² (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

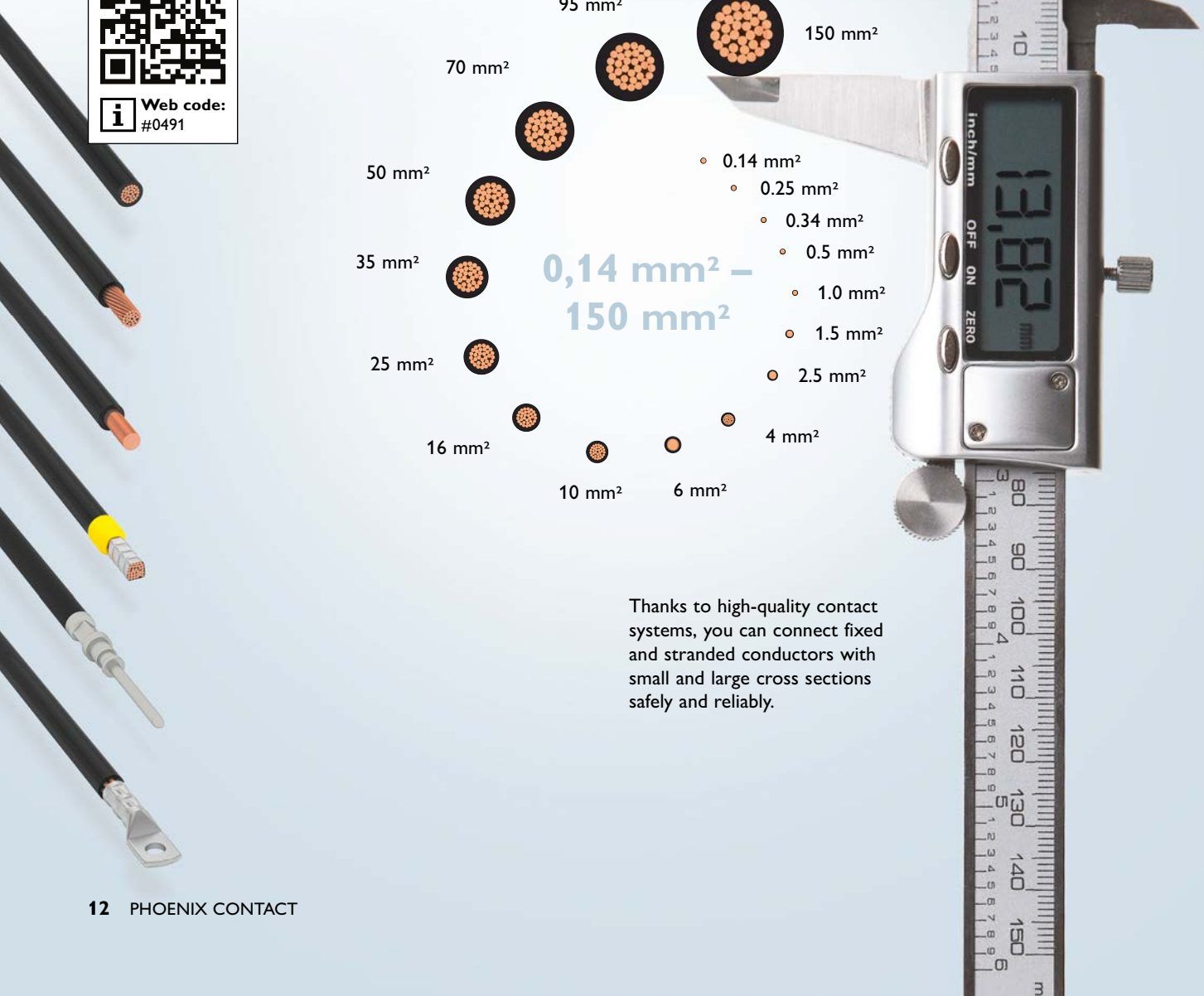
Power supplies

Solar inverters

Always the right connection technology

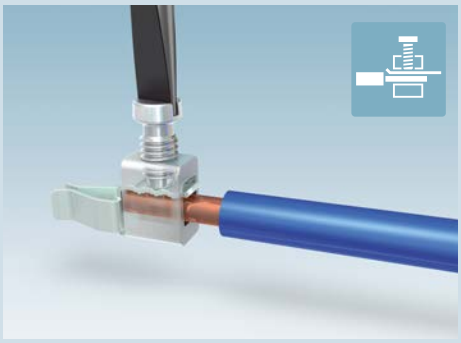
For conductor cross sections up to 150 mm² (AWG 250), Phoenix Contact provides the largest product range on the market. Whether globally established screw connection or innovative quick connection technology – the choice is yours.

Web code: #0491

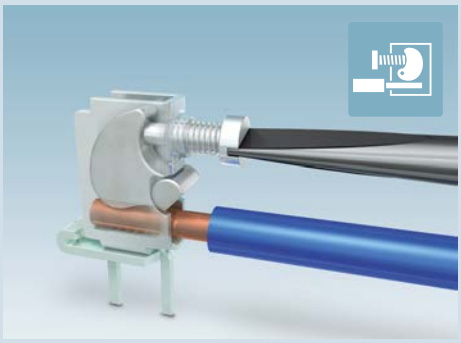


Thanks to high-quality contact systems, you can connect fixed and stranded conductors with small and large cross sections safely and reliably.

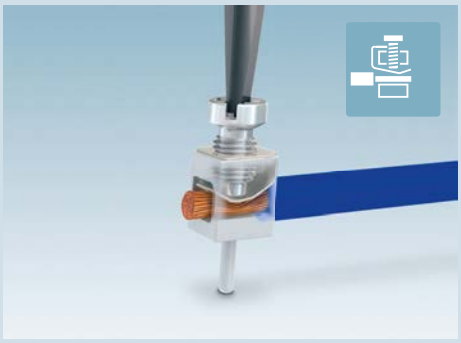
An overview of connection technologies



Screw connection with tension sleeve

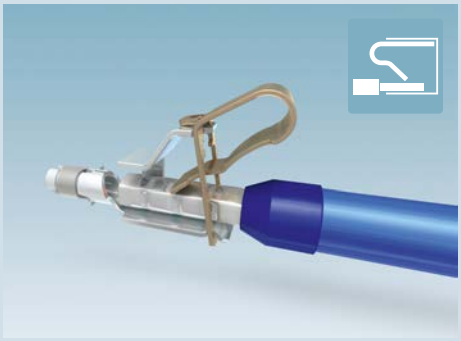


Front screw connection



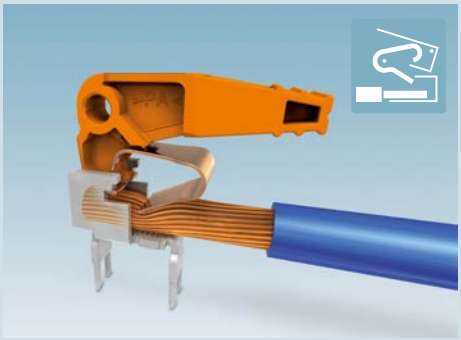
Screw connection with wire guard

T-LOX knee lever connection

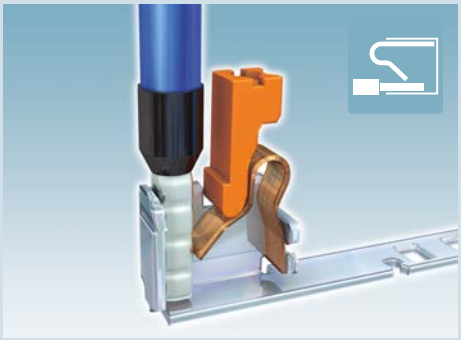


Push-in spring connection with screwdriver actuation

Spring-cage connection

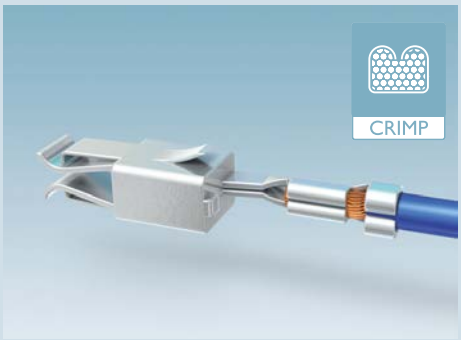


Push-lock spring connection

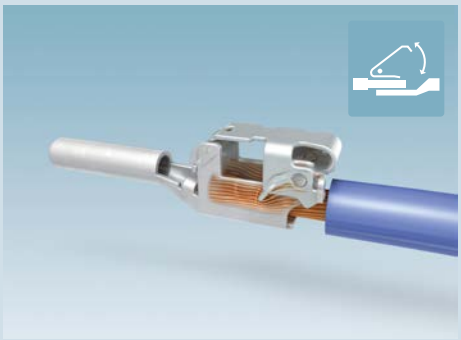


Push-in spring connection with push button

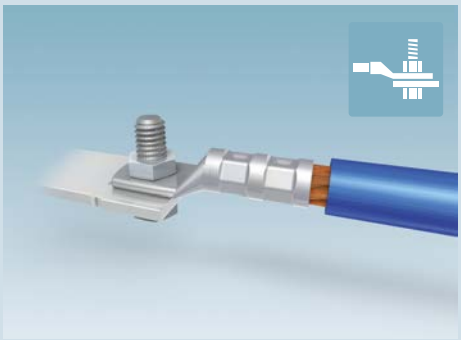
IDC displacement connection



Crimp connection



SUNCLIX spring connection

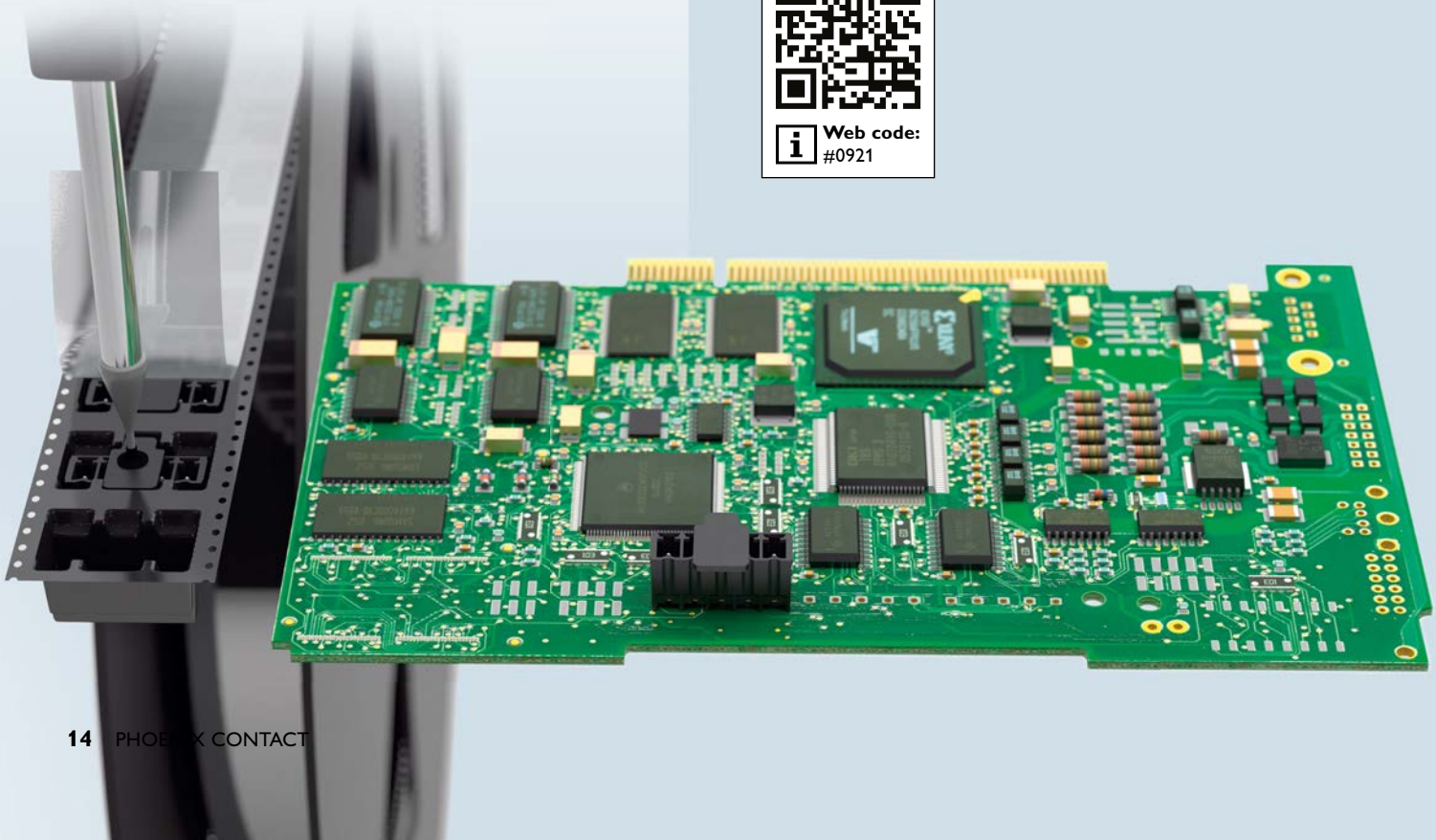


Bolt connection

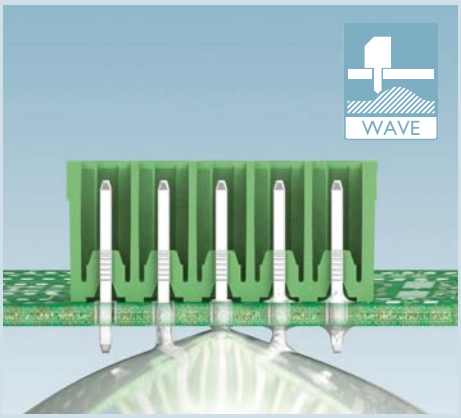
Suitable for all manufacturing processes

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%.

Web code:
#0921

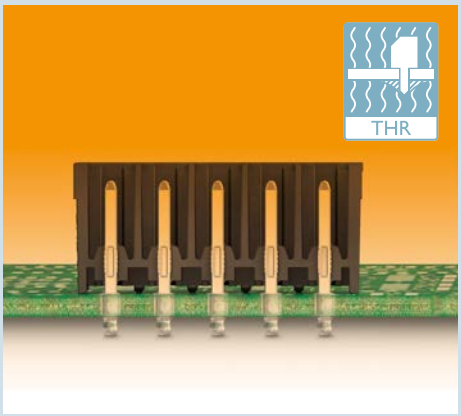


Manufacturing process at a glance



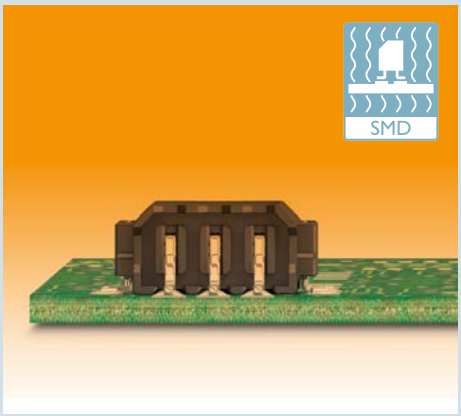
Wave soldering

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.



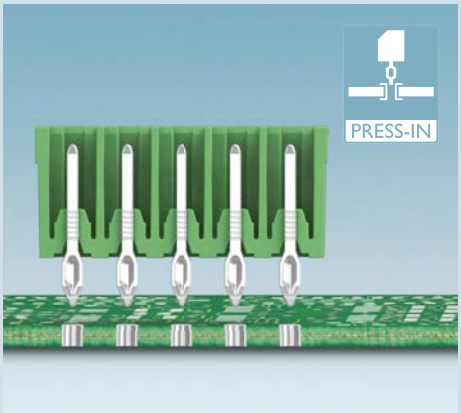
THR soldering

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.



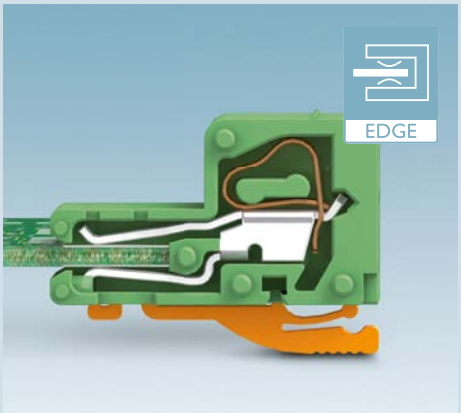
SMT soldering

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.



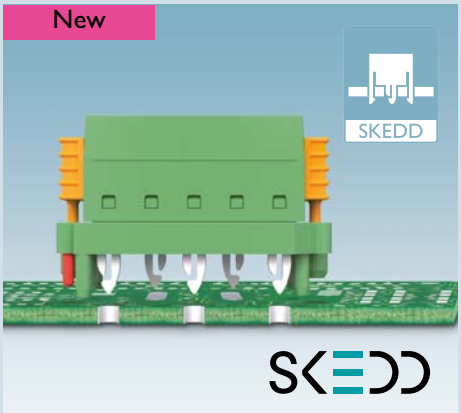
Press-in technology

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

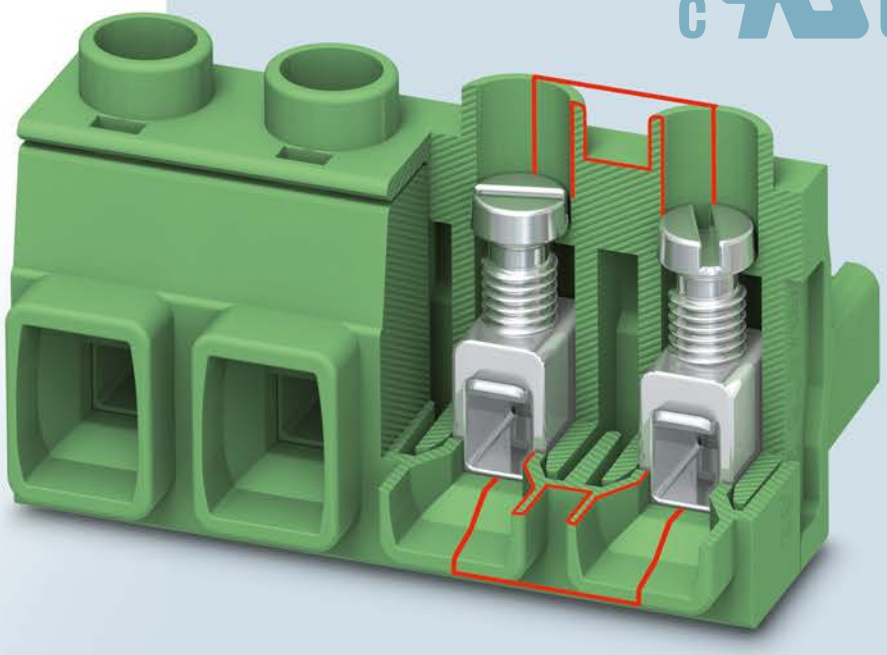
As a responsible manufacturer of device connection technology, we develop and test our products so that you can approve and use your devices internationally.

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.

c UL us

Web code: #0658



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

Components certified in accordance with UL 1059 Use Group C:

Voltage sufficient for application

Voltage **insufficient** for application

Can be used without restriction **in devices** certified in accordance with UL 508, UL 508 C or UL 61800-5-1.

Can be rated alternatively in accordance with UL 840/IEC 60664-1 and used in **factory wiring applications** in accordance with UL 508 (C)/ UL 61800-5-1.

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	150 300 600	12.7 19.1 25.4	19.1 31.8 50.8
B	Conventional devices, including office and electronic data processing equipment and similar	150 300 600	1.6 2.4 9.5	1.6 2.4 12.7
C	Industrial applications, without restrictions	150 300 600	3.2 6.4 9.5	6.4 9.5 12.7
D	Industrial applications, operating equipment with limited performance data (limited rating)	300 600	1.6 4.8	3.2 9.5
E	Connection technology for the power range 600–1500 V	601–1000 1001–1500	14 17.8	21.6 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

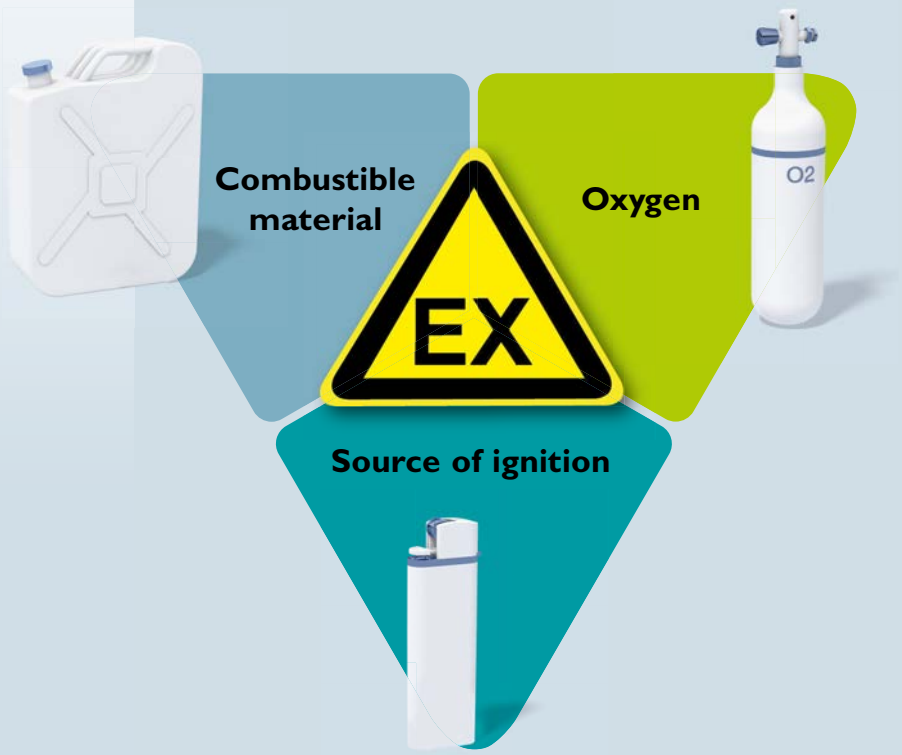
The range of PCB terminal blocks and connectors with Ex approval is specially designed for use in potentially explosive areas. As such, the range meets the requirements for use in process technology.

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 mm² (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

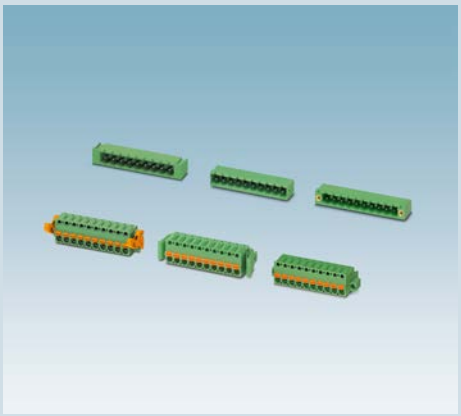
Web code: #0659



Advantages at a glance

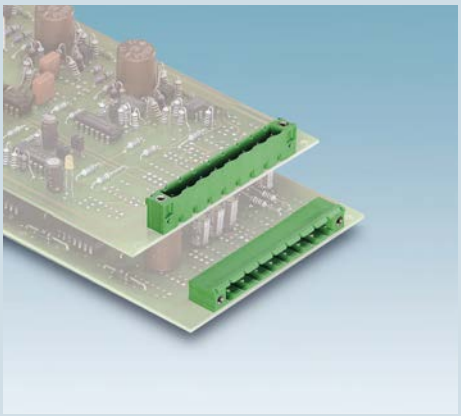
Pluggable PCB connections

Additional contact mechanics ensure secure connectors



Innovative interlocking devices

Screw flange, latching flange and Lock and Release locking

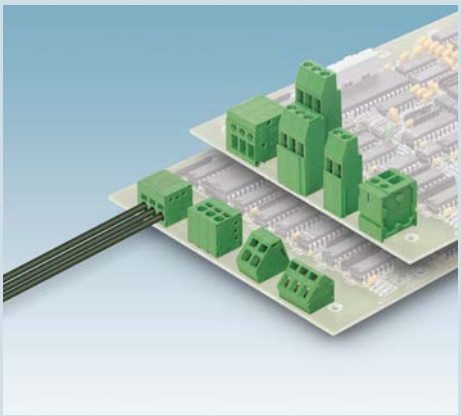


Connectors for any mounting position

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

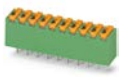
Increased nominal voltage through partial assembly and pitch spacers

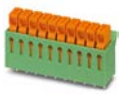
PCB terminal blocks
0.5 mm² to 95 smm²

PCB terminal blocks for conductor cross sections up to 0.5 mm² (AWG 20)

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

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

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

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

PCB terminal blocks for conductor cross sections up to 1.5 mm² (AWG 16)

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

Web code: #0709	Screw connection with tension sleeve						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	MKDS 1/..-HT	High-temperature resistant plastic	2–4	3.5/3.81	13,5 IEC 10 UL (B, D)	200 IEC 300 UL (B, D)	0°
	MKDS 1/..-SMD	SMT soldering	2–12	3.81	8 IEC 10 UL (B, D)	160 IEC 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 mm² (AWG 16)

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

Web code: #0709	Screw connection with tension sleeve						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	SMKDSP 1,5	With test connection	2/3-pos. can be aligned	5.0/5.08	17,5 IEC 15 UL (B) 10 UL (D)	400 IEC 300 UL (B) 300 UL (D)	55°
	MKDSFW 1,5	With stand-off	2/3-pos. can be aligned	5.0	17,5 IEC 10 UL (B, D)	400 IEC 300 UL (B, D)	90°
	MKKDS 1,5		2/3-pos. can be aligned	5.0/5.08	17,5 IEC 10 UL (B, D)	400 IEC 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 10 UL (B, D)	400 IEC 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 10 UL (B, D)	400 IEC 300 UL (B, D)	0°
	GMKDSN 1,5	Low-profile design	2/3-pos. can be aligned	7.62	16 IEC 10 UL (B, D)	630 IEC 300 UL (B, D)	0°
	GSMKDSN 1,5	Low-profile design	2–12	7.62	16 IEC 10 UL (B, D)	630 IEC 300 UL (B, D)	45°
	GMKDS 1,5		2/3-pos. can be aligned	7.5/7.62	17,5 IEC 10 UL (B, D)	630 IEC 300 UL (B, D)	0°
	GSMKDSP 1,5		2/3-pos. can be aligned	7.5/7.62	17,5 IEC 10 UL (B, D)	630 IEC 300 UL (B, D)	55°

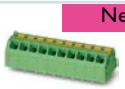
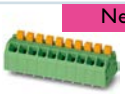
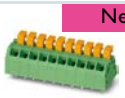
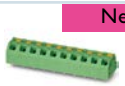
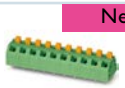
Web code: #0710	Push-in spring connection						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	PTSA 1,5/…-F PTSA 1,5/…-Z	Front pinning Zigzag pinning (400 V in accordance with IEC)	2–16	3.5	2 IEC 5 UL (B, D)	250 IEC 300 UL (B, D)	45°
	PTDA 1,5/	TWIN connection	2–16	3.5	13,5 IEC 12 UL (B) 10 UL (D)	240 IEC 300 UL (B) 300 UL (D)	45°
	SPT-THR 1,5/..H	THR soldering, various pin lengths available	2–12	3.5/3.81	13,5 IEC 10 UL (B, D)	160 IEC 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 10 UL (B, D)	160 IEC 300 UL (B, D)	90°
	SPT-SMD 1,5/..-H	SMT soldering	2–12	3.5/3.81	13,5 IEC 10 UL (B, D)	160 IEC 300 UL (B, D)	0°

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

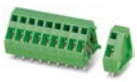
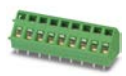
2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

PCB terminal blocks for conductor cross sections up to 1.5 mm² (AWG 16)

Web code: #0710

Push-in spring connection						
Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 SPT-SMD 1,5/..-V	SMT soldering	2–12	3.5/3.81	13,5 IEC 10 UL (B, D)	160 IEC 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 10 UL (B) 10 UL (D)	200 IEC 150 UL (B) 300 UL (D)	65°
 SPTA 1,5/		2–12	3.81	9 IEC 10 UL (B)	160 IEC 300 UL (B)	45°
 SPTD 1,5		2–12	3.5	10 IEC 10 UL (B)	200 IEC 150 UL (B)	0°
 SPT 1,5/..-H		2–12	3.5	17,5 IEC 10 UL (B, D)	200 IEC 300 UL (B, D)	0°
 SPT 1,5/..-V		2–12	3.5	17,5 IEC 10 UL (B, D)	200 IEC 300 UL (B, D)	90°
 FFKDS(A)/H		2–12	3.81	12 IEC 6 UL (B, D)	160 IEC 300 UL (B, D)	0°
 FFKDS(A)/V		2–12	3.81	12 IEC 6 UL (B, D)	160 IEC 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 10 UL (B, D)	320 IEC 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 10 UL (B, D)	320 IEC 300 UL (B, D)	90°
 SPT-SMD 1,5/..-H	SMT soldering	2–12	5.0/5.08	13,5 IEC 10 UL (B, D)	320 IEC 300 UL (B, D)	0°
 SPT-SMD 1,5/..-V	SMT soldering	2–12	5.0/5.08	13,5 IEC 10 UL (B, D)	320 IEC 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[1] (A)	Voltage[1 2] (V)	Connection direction
New 	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 10 UL (B, D)	320 IEC 300 UL (B, D)	65°
	SPTA 1,5/		2–12	5.08	9 IEC 10 UL (B, D)	320 IEC 300 UL (B, D)	45°
	MFKDSP		2–7	5.08	12 IEC 3,6 UL (B, D)	320 IEC 300 UL (B, D)	45°
	FFKDS(A)/H	Also available with compact lever opener	2–12	5.08	15 IEC 10 UL (B, D)	320 IEC 300 UL (B, D)	0°
	FFKDS(A)/V	Also available with compact lever opener	2–12	5.08	15 IEC 10 UL (B, D)	320 IEC 300 UL (B, D)	90°
	FFKDS(A)/H	Also available with compact lever opener	2–12	7.62	17,5 IEC 10 UL (B, D)	630 IEC 300 UL (B, D)	0°
	FFKDS(A)/V	Also available with compact lever opener	2–12	7.62	17,5 IEC 10 UL (B, D)	630 IEC 300 UL (B, D)	90°

Web code: #0711	Spring-cage connection						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	ZFKDS(A) 1		2–12	3.81	12 IEC 10 UL (B, D)	200 IEC 300 UL (B, D)	45°
	ZFKDS(A) 1-W	With actuation rocker	2–12	3.81	12 IEC 10 UL (B, D)	200 IEC 300 UL (B, D)	45°
	ZFKDS(A) 1,5C		2–12	5.0	16 IEC 10 UL (B, D)	400 IEC 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 10 UL (B, D)	400 IEC 300 UL (B, D)	45°
	ZFK3DS(A) 1,5		2–12	5.08	12 IEC 10 UL (B, D)	400 IEC 300 UL (B, D)	45°
	ZFK4DS(A) 1,5		2–12	5.08	12 IEC 10 UL (B, D)	400 IEC 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 mm² (AWG 14)

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

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

Web code: #0713	Screw connection with tension sleeve						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	MK3DSMH 3		2/3-pos. can be aligned	5.08	22 IEC 15 UL (B) 10 UL (D)	400 IEC 300 UL (B) 300 UL (D)	0°
	MKDSO 2,5/..-L MKDSO 2,5/..-R	Orthogonal, left and right version	2–4	5.0	24 IEC 20 UL (B) 10 UL (D)	400 IEC 300 UL (B) 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 15 UL (B) 10 UL (D)	400 IEC 300 UL (B) 300 UL (D)	0
	KDS 3-MT	Disconnect terminal block with test socket	1 pos. can be aligned	5.08	15 IEC 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 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 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0
	GMKDS 3	Also available with test point	2/3-pos. can be aligned	7.5/7.62	24 IEC 15 UL (B) 10 UL (D)	630 IEC 300 UL (B) 300 UL (D)	0°
	GSMKDS 3		2/3-pos. can be aligned	7.5/7.62	24 IEC 15 UL (B) 10 UL (D)	630 IEC 300 UL (B) 300 UL (D)	55°
	MKDSO 2,5/..-L HV MKDSO 2,5/..-R HV	Orthogonal, left and right version	2–3	7.5	24 IEC 20 UL (B, C) 5 UL (D)	630 IEC 300 UL (B, C) 600 UL (D)	0°

Web code: #0714	Front screw connection						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	FRONT 2,5-H	Different solder pin distances available	2–12	5.0	24 IEC 20 UL (B) 10 UL (D)	400 IEC 300 UL (B) 300 UL (D)	0°
	FRONT 2,5-V	Different solder pin distances available	2–12	5.0	24 IEC 20 UL (B) 10 UL (D)	320 IEC 300 UL (B) 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 mm² (AWG 14)

Web code: #0714

Front screw connection

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (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[1] (A)	Voltage[1 2] (V)	Connection direction
 PTS 1,5/..-H		2–12	5.0	12 IEC 10 UL (B, D)	400 IEC 300 UL (B, D)	0°
 PTDA 2,5/	TWIN connection	2–16	5.0	24 IEC 20 UL (B) 10 UL (D)	400 IEC 300 UL (B) 300 UL (D)	45°
 SPT 2,5/..-H		2–12	5.0	24 IEC 20 UL (B) 10 UL (D)	400 IEC 300 UL (B) 300 UL (D)	0°
 SPT 2,5/..-V		2–12	5.0	24 IEC 20 UL (B) 10 UL (D)	400 IEC 300 UL (B) 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 FKDSO 2,5/..-R	Orthogonal, left and right version	2–4	5.0	22 IEC 10 UL (B, D)	250 IEC 300 UL (B, D)	0°
New  FKDSO 2,5/..-L1 FKDSO 2,5/..-R1	Orthogonal, left and right version	1–4	5.0	20 IEC 20 UL (B) 10 UL (D)	320 IEC 300 UL (B, D)	0°
 PTS 1,5/..-H		2–12	7.5	12 IEC 10 UL (B, D)	630 IEC 300 UL (B, D)	0°

Web code: #0716

Spring-cage connection

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 ZFKDS 2,5-THT	High-temperature resistant plastic	2–12	5.08	24 IEC 10 UL (B, D)	320 IEC 300 UL (B, D)	45°
 ZFKDS(A) 2,5		2–12	5.08	24 IEC 10 UL (B, D)	400 IEC 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 10 UL (B, D)	400 IEC 300 UL (B, D)	45°

PCB terminal blocks for conductor cross sections up to 4 mm² (AWG 12)

Web code: #0717

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

Web code: #0718

	Screw connection with tension sleeve						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (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 30 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°

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

Web code: #0719

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

Front screw connection

Web code: #0720

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 FRONT 4-H		1–9	6.35 7.62	32 IEC 30 UL (B)	320 IEC 300 UL (B) 630 IEC 300 UL (B)	0°
 FRONT 4-V		1–9	6.35 7.62	32 IEC 30 UL (B)	320 IEC 300 UL (B) 630 IEC 300 UL (B)	90°

Push-in spring connection

Web code: #0721

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 SPT 5/..-H		1–12	7.5	41 IEC 36 UL (C)	1000 IEC 600 UL (C)	0°
 SPT 5/..-V		1–12	7.5	41 IEC 36 UL (C)	1000 IEC 600 UL (C)	90°
 SPTA 5	Bridgeable	1–12	7.5	41 IEC 33 UL (C)	1000 IEC 600 UL (C)	60°

Spring-cage connection

Web code: #0722

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 ZFKDS(A) 4-7,5 ZFKDS(A) 4-10	Bridgeable	1–9	7.5 10	32 IEC 30 UL (C)	630 IEC 150 UL (C) 630 IEC 300 UL (C)	45°

Push-lock spring connection

Web code: #0723

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 PLH 5		1–12	7.5	41 IEC 27 UL (C)	1000 IEC 600 UL (C)	0°
 PLA 5		1–12	7.5	41 IEC 27 UL (C)	1000 IEC 600 UL (C)	45°

Special spring connection design

Web code: #0724

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 PTSPL 6	Without insulating housing With Sunclix spring connection	1		41 IEC 30 UL	-	0°
 PT-SG	Without insulating housing With grapple spring connection	1		41 IEC	-	-90°

PCB terminal blocks for conductor cross sections up to 16 mm² (AWG 6)

Web code: #0725

Screw connection with tension sleeve						
Product range	**Notes**	**Number of positions**	**Pitch**	**Current[1] (A)**	**Voltage[1 2] (V)**	**Connection direction**
 MKDS 10 HV	With zigzag pinning for 600 V UL	1–12	10.16	76 IEC 60 UL (C)	1000 IEC 600 UL (C)	0°
 MKDSP 10N		2/3-pos. can be aligned	10.16	76 IEC 60 UL (C)	1000 IEC 300 UL (C)	0°
 MKDSP 10HV		2/3-pos. can be aligned	12.7	76 IEC 60 UL (C)	1000 IEC 600 UL (C)	0°

Web code: #0726

Screw connection						
Product range	**Notes**	**Number of positions**	**Pitch**	**Current[1] (A)**	**Voltage[1 2] (V)**	**Connection direction**
 KDS10 KDS10/SO	Feed-through terminal block with soldering pins available in series or offset	1–9	10	76 IEC 65 UL (C)	320 IEC 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[1] (A)**	**Voltage[1 2] (V)**	**Connection direction**
 SPT 16/...-H		1–9	10	76 IEC 66 UL (C)	1000 IEC 600 UL (C)	0°
 SPT 16/...-V		1–9	10	76 IEC 66 UL (C)	1000 IEC 600 UL (C)	90°
 SPTA 16	Bridgeable	2–9	10	76 IEC 51 UL (C)	1000 IEC 600 UL (C)	30°

Web code: #0728

Spring-cage connection						
Product range	**Notes**	**Number of positions**	**Pitch**	**Current[1] (A)**	**Voltage[1 2] (V)**	**Connection direction**
 ZFKDS(A) 10-10,00 ZFKDS(A) 10-15,00	Bridgeable	1–9	10 15	76 IEC 65 UL (C)	400 IEC 150 UL (C) 1000 IEC 600 UL (C)	45°

Web code: #0729

Push-lock spring connection						
Product range	**Notes**	**Number of positions**	**Pitch**	**Current[1] (A)**	**Voltage[1 2] (V)**	**Connection direction**
 PLH 16/…-10	Also available in zigzag pinning for 600 V UL	1–8	10	76 IEC 51 UL (C)	1000 IEC 300 UL (C)	0°
 PLH 16/…-15		2–8	15	76 IEC 66 UL (C)	1000 IEC 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 mm² (AWG 2)

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

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

PCB terminal blocks for conductor cross sections up to 70 mm² (AWG 2/0)

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

PCB terminal blocks for conductor cross sections up to 95 mm² (AWG 3/0)

Web code: #0733	Screw connection with tension sleeve						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	MKDSP 95/…-F		1–5	20	232 IEC 200 UL (B, C)	1000 IEC 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
0.5 mm² to 35 mm²

PCB connectors for conductor cross sections up to 0.5 mm² (AWG 20)

Web code: #0734

Plugs: push-in spring connection, female

	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	FMC 0,5/..-ST	Gold-plated contact system	2–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	0°

Web code: #0735

Headers: THR soldering, male

	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	MC 0,5/..-G-THR	Lateral THR armature, gold-plated contact system	2–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	0°
	MCV 0,5/..-G-THR	Lateral THR armature, gold-plated contact system	2–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	90°

Web code: #0736

Headers: SMT soldering, male

	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	MC 0,5/..-G-SMD	Lateral THR armature, gold-plated contact system	2–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	0°
	MCV 0,5/..-G-SMD	Lateral THR armature, gold-plated contact system	2–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	90°

Web code: #1171

Double-row plugs: push-in spring connection, female

	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	DFMC 0,5/-ST	Double-row, gold-plated contact system	2–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	0°

Web code: #1172

Double-row headers: THR soldering, male

	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	DMC 0,5/..-G1-THR	Double-row, gold-plated contact system, lateral THR armature, integrated THR armature	2–3 4–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	0°
	DMCV 0,5/..-G1-THR	Double-row, gold-plated contact system, lateral THR armature, integrated THR armature	2–3 4–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	90°

Web code: #1173

Double-row headers: SMD soldering, male

	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	DMC 0,5/..-G1-SMD	Double-row, gold-plated contact system lateral THR armature, integrated THR armature	2–3 4–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	0°
	DMCV 0,5/..-G1-SMD	Double-row, gold-plated contact system lateral THR armature, integrated THR armature	2–3 4–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	90°

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

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

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

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

Web code: #0741	Headers: THR soldering, male						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	PTSM 0,5/..-HH-THR	Black	2–10	2.5	6 IEC 5 UL (B)	160 IEC 150 UL (B)	0°
	PTSM 0,5/..-HV-THR	Black	2–10	2.5	6 IEC 5 UL (B)	160 IEC 150 UL (B)	90°
	PTSM 0,5/..-HH-THR	White, higher voltage possible (IEC in accordance with II/2: 320 V)	2–8	2.5	6 IEC 5 UL (B)	160 IEC 150 UL (B)	0°
	PTSM 0,5/..-HV-THR	White, higher voltage possible (IEC in accordance with II/2: 320 V)	2–8	2.5	6 IEC 5 UL (B)	160 IEC 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 mm² (AWG 20)

Web code: #0742

Inverted headers: THR soldering, female

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 PTSM 0,5/..-HHI-THR	Black	2–8	2.5	6 IEC 5 UL (B)	160 IEC 150 UL (B)	0°
 PTSM 0,5/..-HHI-THR	White, higher voltage possible (IEC in accordance with II/2: 320 V)	2–8	2.5	6 IEC 5 UL (B)	160 IEC 150 UL (B)	0°

Web code: #0743

Headers: SMT soldering, male

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 PTSM 0,5/..-HH-SMD	Black	2–10	2.5	6 IEC 5 UL (B)	160 IEC 150 UL (B)	0°
 PTSM 0,5/..-HH-SMD	White, higher voltage possible (IEC in accordance with II/2: 320 V)	2–8	2.5	6 IEC 5 UL (B)	160 IEC 150 UL (B)	0°
 PTSM 0,5/..-HV-SMD	White, higher voltage possible (IEC in accordance with II/2: 320 V)	2–8	2.5	6 IEC 5 UL (B)	160 IEC 150 UL (B)	90°
 PTSM 0,5/..-HTB-SMD	White, higher voltage possible (IEC in accordance with II/2: 320 V)	2–8	2.5	6 IEC 5 UL (B)	160 IEC 150 UL (B)	-90°

Web code: #0744

Inverted headers: SMT soldering, female

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 PTSM 0,5/..-HHI-SMD	Black	2–8	2.5	6 IEC 5 UL (B)	160 IEC 150 UL (B)	0°
 PTSM 0,5/..-HHI-SMD	White, higher voltage possible (IEC in accordance with II/2: 320 V)	2–8	2.5	6 IEC 5 UL (B)	160 IEC 150 UL (B)	0°

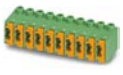
Web code: #0745

Direct connectors for flexible PCBs

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 PTF 0,3/..-WB	Plugs for 8 and 10 mm wide, flexible PCBs	2–4		10 IEC 5 UL 1977	24 IEC 60 UL 1977	0°
 PTF 0,3/..-BB	PCB connectors for 8 and 10 mm wide flexible PCBs	2–4		10 IEC 5 UL 1977	24 IEC 60 UL 1977	0°
New  PTF 0,3/ ..-FLEX	Connection PCBs	2–4		10 IEC	24 IEC	

Web code: #0746

Plugs: push-in spring connection

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 FK-MPT 0,5/..-ST	TWIN connection Can be plugged onto pin strips	2–16	3.5	4 IEC 4 UL (B, D)	250 IEC 300 UL (B, D)	0°

Web code: #0747

Pin strips: THR and wave soldering						
Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 PST 1,0/..-H		2–16	3.5	8 IEC 10 UL (B)	250 IEC 300 UL (B)	0°
 PST 1,0/..-V		2–16	3.5	8 IEC 10 UL (B)	250 IEC 300 UL (B)	90°

Web code: #0748

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

PCB connectors for conductor cross sections up to 1.5 mm² (AWG 16)

Web code: #0749

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

Web code: #0750

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

Web code: #0751

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

Web code: #0752

Pin strips: THR and wave soldering						
Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 PST 1,0/..-H		2–16	3.5	8 IEC 10 UL (B)	250 IEC 300 UL (B)	0°
 PST 1,0/..-V		2–16	3.5	8 IEC 10 UL (B)	250 IEC 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 mm² (AWG 16)

Web code: #0752

Pin strips: THR and wave soldering

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 PST 1,3/..-H		2–16	5.0	12 IEC 16 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
 PST 1,3/..-V		2–16	5.0	12 IEC 16 UL (B) 10 UL (D)	320 IEC 300 UL (B) 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[1] (A)	Voltage[1 2] (V)	Connection direction
New  SDDC 1,5/…-PV-3,5	With body-bound rivets for locking on the PCB	2–16	3.5	8 IEC	160 IEC	90°

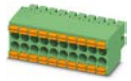
Web code: #0771

Plugs: spring-cage connection, direct connection technology (edge connector)

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 ZEC 1,0/..ST	Wire-to-board	2–12	3.5	8 IEC 8 UL (B)	200 IEC 150 UL (B)	0°
 ZEC 1,0/..LPV	Board-to-board	2–12	3.5	8 IEC 8 UL (B)	200 IEC 150 UL (B)	0°
 ZEC 1,5/..ST	Wire-to-board	2–12	5.0	10 IEC 10 UL (B, D)	320 IEC 300 UL (B, D)	0°
 ZEC 1,5/..LPV	Board-to-board	2–12	5.0	10 IEC 10 UL (B, D)	320 IEC 300 UL (B, D)	0°
 ZEC 1,5/..ST	Wire-to-board	2–12	7.5	10 IEC 10 UL (B, D)	630 IEC 300 UL (B, D)	0°
 ZEC 1,5/..LPV	Board-to-board	2–12	7.5	10 IEC 10 UL (B, D)	630 IEC 300 UL (B, D)	0°

Web code: #1175

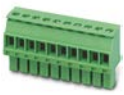
Double-row plugs: push-in spring connection, female

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 DFMC 1,5/..-ST DFMC 1,5/..-STF DFMC 1,5/..-ST-LR	Without flange With screw flange With Lock and Release locking	2–20	3.5	8 IEC 8 UL (B)	160 IEC 150 UL (B)	0°

Web code: #1245

Double-row headers: THR soldering, male

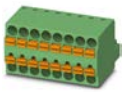
Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 DMC 1,5/..-G1-THR DMC 1,5/..-G1F-LR-THR	Without flange With threaded flange and Lock and Release locking	2–20	3.5	8 IEC 8 UL (B)	160 IEC 150 UL (B)	0°
 DMCV 1,5/..-G1-THR DMCV 1,5/..-G1F-LR-THR	Without flange With threaded flange and Lock and Release locking	2–20	3.5	8 IEC 8 UL (B)	160 IEC 150 UL (B)	90°

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

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

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

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

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

Web code: #0757	Inverted plugs: push-in spring connection, male						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	IFMC 1,5/..-ST IFMC 1,5/..-ST-RF IFMC 1,5/..-ST-RN	Without flange With latching flange With snap-in latch	2–12	3.5	8 IEC 8 UL (B)	160 IEC 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 mm² (AWG 16)

Web code: #0758

Plugs: IDC displacement connection, female

	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	QC 0,5/..-ST QC 0,5/..-STF	Without flange With screw flange	2–16	3.81	6 IEC 6 UL (B, C)	200 IEC 300 UL (B, C)	90°

Web code: #0759

Plugs: crimp connection, female

	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	MCC 1/..-STZ MCC 1/..-STZF	Without flange With screw flange	2–20	3.81	8 IEC 5 UL (B, D)	160 IEC 300 UL (B, D)	0°

Web code: #0760

Headers: THR soldering, male

	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
New 	MC 1,5/..-G-THR MC 1,5/..-GF-THR	Without flange With threaded flange	2–20	3.5/3.81	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	0°
New 	MCV 1,5/..-G-THR MCV 1,5/..-GF-THR	Without flange With threaded flange	2–20	3.5/3.81	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	90°
	MCDN 1,5/..-G1-THR MCDN 1,5/..-G1-RN-THR	Without flange With snap-in latch	2–20	3.5/3.81 3.5	8 IEC 8 UL (B)	160 IEC 150 UL (B)	0°
	MCDNV 1,5/..-G1-THR MCDNV 1,5/..-G1-RN-THR	Without flange With snap-in latch	2–20	3.5/3.81 3.5	8 IEC 8 UL (B)	160 IEC 150 UL (B)	90°

Web code: #0761

Inverted headers: THR soldering, female

	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	IMC 1,5/..-G-THR IMC 1,5/..-G-RN-THR	Without flange With snap-in latch	2–12	3.5	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	0°
	IMCV 1,5/..-G-THR IMCV 1,5/..-G-RN-THR	Without flange With snap-in latch	2–12	3.5	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	90°

Web code: #0762

Headers: wave soldering, male

	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	MC 1,5/..-G MC 1,5/..-GF MC 1,5/..-G-RN MC 1,5/..-GF-LR	Without flange With threaded flange With snap-in latch With Lock and Release locking	2–20	3.5/3.81 3.5/3.81 3.5 3.5/3.81	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	0°
	MCV 1,5/..-G MCV 1,5/..-GF MCV 1,5/..-G-RN MCV 1,5/..-GF-LR	Without flange With threaded flange With snap-in latch With Lock and Release locking	2–20	3.5/3.81 3.5/3.81 3.5 3.5/3.81	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	90°
	SMC 1,5/..-G SMC 1,5/..-GF	Without flange With threaded flange	2–18 2–16	3.81	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	45°

Web code: #0763

Headers: wave soldering, male

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 MCO 1,5/..-GR MCO 1,5/..-GL	Right version Left version	3–10	3.81	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	0°
 MCO 1,5/..-G1R MCO 1,5/..-G1L	Right version Left version	3–5	3.5	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	0°
 MCD 1,5/..-G MCD 1,5/..-GF	Without flange With threaded flange	2–16	3.81	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	0°
 MCDV 1,5/..-G MCDV 1,5/..-GF	Without flange With threaded flange	2–16	3.81	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	90°
 MCD 1,5/..-G1 MCD 1,5/..-G1F	Without flange With threaded flange	2–16	3.81	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	0°
 MCDV 1,5/..-G1 MCDV 1,5/..-G1F	Without flange With threaded flange	2–16	3.81	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	90°

Web code: #0764

Inverted headers: wave soldering, female

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 IMC 1,5/..-G		2–16	3.81	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	0°
 IMCV 1,5/..-G		2–16	3.81	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	90°

Web code: #0765

Headers: press-in technology, male

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 EMC 1,5/..-G EMC 1,5/..-GF	Without flange With threaded flange	2–16	3.5/3.81	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	0°
 EMCV 1,5/..-G EMCV 1,5/..-GF	Without flange With threaded flange	2–16	3.5/3.81	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	90°

Web code: #0766

Direct plug-in block, male

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 MCVU 1,5/..-GFD	With threaded flange and screw connection on PCB	2–16	3.81	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	0°

Web code: #0767

Plugs: screw connection with tension sleeve, female

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 MC 1,5/..-ST MC 1,5/..-STF	Without flange With screw flange	2–12	5.08	8 IEC 8 UL (B, D)	320 IEC 300 UL (B, D)	0°
 MC 1,5/..-ST1 MC 1,5/..-ST1F	Without flange With screw flange	2–12	5.08	8 IEC 8 UL (B, D)	320 IEC 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 mm² (AWG 16)

Web code: #0768

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

Web code: #0769

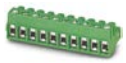
Feed-through connectors, male						
Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 PSC 1,5/..-M	Shielded POWER SUBCON header for wall thicknesses up to 4.5 mm	3, 5	3.5	8 IEC 8 UL (B, D)	320 IEC 300 UL (B, D)	0°
 DFK-MC 1,5/..-GF	Header with threaded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

Web code: #0770

Feed-through connectors, female						
Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 PSC 1,5/..-F	Shielded POWER SUBCON connector with screw connection	3, 5	3.5	8 IEC 8 UL (B, D)	320 IEC 300 UL (B, D)	0°

PCB connectors for conductor cross sections up to 2.5 mm² (AWG 14)

Web code: #0772

Plugs: screw connection with wire guard						
Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 PT 1,5/..-PVH	Can be plugged onto pin strips	2–16	5.0	12 IEC 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0° / 90°
 PT 2,5/..-PVH	Can be plugged onto pin strips Cross sections: up to 4 mm²	2–12	5.0	13,5 IEC 10 UL (B, D)	320 IEC 300 UL (B, D)	0° / 90° / 180°

Web code: #0773

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

Web code: #0774

Plugs: push-in spring connection						
Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 PTS 1,5/..-PH	Can be plugged onto pin strips	2–12	5.0	10 IEC 7 UL (B, D)	400 IEC 300 UL (B, D)	0° / 180°
New  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 Can be plugged onto pin strips	2–16	5.0	13,5 IEC 13.5 UL (B) 10 UL (D)	400 IEC 300 UL (B) 300 UL (D)	45°

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

Web code: #0786	Plugs: push-in spring connection, SKEDD direct connection technology						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (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°

Web code: #0776	Plugs: screw connection with tension sleeve, female						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	MSTB 2,5/..-ST MSTB 2,5/..-STF MSTB 2,5/..-ST-RF MSTB 2,5/..-ST-LR	Without flange With screw flange With latching flange With Lock and Release locking	2–24 2–20 2–18 2–20	5.0/5.08	12 IEC 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
	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 12 UL (B) 10 UL (D)	320 IEC 250 UL (B) 300 UL (D)	0°
	MSTBP 2,5/..-ST	With test connection	2–24	5.0/5.08	12 IEC 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
	MSTBT 2,5/..-ST MSTBT 2,5/..-STF	Mating area offset at top Without flange With screw flange	2–18	5.0/5.08	12 IEC 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
	MVSTBR 2,5/..-ST MVSTBR 2,5/..-STF	Conductor entry facing the encoded side, without flange With screw flange	2–24 2–20	5.0/5.08	12 IEC 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	90°
	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 MVSTBW 2,5/..-STF	Conductor entry facing the rippled side, without flange With screw flange	2–24 2–20	5.0/5.08	12 IEC 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 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 mm² (AWG 14)

Web code: #0776

Plugs: screw connection with tension sleeve, female

	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (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 SMSTB 2,5/..-STF	Without flange With screw flange	2–24 2–20	5.0/5.08	12 IEC 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
	TVMSTB 2,5/..-ST TVMSTB 2,5/..-STF	TWIN design, without flange With screw flange	2–10	5.08	12 IEC 10 UL (B) 10 UL (D)	400 IEC 300 UL (B) 300 UL (D)	90°/ 270°
	TMSTBP 2,5/..-ST TMSTBP 2,5/..-STF	TWIN design, without flange With screw flange	2–10	5.08	12 IEC 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
	GMSTB 2,5/..-ST GMSTB 2,5/..-STF	Without flange With screw flange	2–12	7.5/7.62 7.62	12 IEC 15 UL (B) 10 UL (D)	630 IEC 300 UL (B) 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 GMVSTBR 2,5/..-STF	Conductor entry facing the encoded side, without flange With screw flange	2–12	7.5/7.62 7.62	12 IEC 15 UL (B) 10 UL (D)	630 IEC 300 UL (B) 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 GMVSTBW 2,5/..-STF	Conductor entry facing the rippled side, without flange With screw flange	2–12	7.5/7.62 7.62	12 IEC 15 UL (B) 10 UL (D)	630 IEC 300 UL (B) 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[1] (A)	Voltage[1 2] (V)	Connection direction
	IC 2,5/..-ST IC 2,5/..-STF IC 2,5/..-GF	Without flange With screw flange With threaded flange	2–24 2–20 2–20	5.08	12 IEC 12 UL (B) 10 UL (D)	320 IEC 250 UL (B) 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 GIC 2,5/..-STF GIC 2,5/..-GF	Without flange With screw flange With threaded flange	2–12	7.62	12 IEC 12 UL (B) 10 UL (D)	630 IEC 250 UL (B) 300 UL (D)	0°

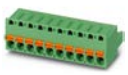
Plugs: front screw connection, female

Web code: #0778

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 FRONT-MSTB 2,5/..-ST FRONT-MSTB 2,5/..-STF	Without flange With screw flange	2–24	5.0/5.08	12 IEC 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
 FRONT-GMSTB 2,5/..-ST FRONT-GMSTB 2,5/..-STF	Without flange With screw flange	2–12	7.62	12 IEC 15 UL (B) 10 UL (D)	630 IEC 300 UL (B) 300 UL (D)	0°

Plugs: push-in spring connection, female

Web code: #0779

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 FKC 2,5/..-ST FKC 2,5/..-STF FKC 2,5/..-ST-RF FKC 2,5/..-ST-LR	Without flange With screw flange With latching flange With Lock and Release locking	2–24 2–24 2–16 2–20	5.0/5.08 5.0/5.08 5.0/5.08 5.08	12 IEC 10 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
 FKC 2,5/..-STF-EX FKC 2,5/..-ST-RF-EX FKC 2,5/..-ST-LR-EX	With screw flange With latching flange With Lock and Release locking	2–12 2–12 On request	5.08	12 IEC	176 IEC	0°
 FKCS 2,5/..-ST FKCS 2,5/..-STF FKCS 2,5/..-ST-RF	Without flange With screw flange With latching flange	2–20 2–16 2–16	5.0/5.08 5.0/5.08 5.08	12 IEC 10 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
 FKCT 2,5/..-ST FKCT 2,5/..-STF	Without flange With screw flange	2–20 2–18	5.0/5.08	12 IEC 10 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
 FKCN 2,5/..-ST FKCN 2,5/..-STF	Without flange With screw flange	2–18	5.0/5.08	12 IEC 10 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
 FKCVR 2,5/..-ST FKCVR 2,5/..-STF	Conductor entry facing the encoded side, without flange With screw flange	2–18 2–16	5.0/5.08	12 IEC 10 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	90°
 FKCVW 2,5/..-ST FKCVW 2,5/..-STF	Conductor entry facing the rippled side, without flange With screw flange	2–18 2–16	5.0/5.08	12 IEC 10 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	270°

Double-row headers: SMD soldering, male

Web code: #0779

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
New  FKCOR 2,5/…-ST FKCOR 2,5/…-STF FKCOR 2,5/…-ST-LR	Conductor entry facing the encoded side, without flange With screw flange With Lock and Release locking	2–24	5.08	12 IEC 10 UL (B) 10 UL (C)	320 IEC 300 UL (B) 300 UL (C)	90°
New  FKCOR FKCOW	Conductor entry facing the rippled side, without flange With screw flange	2–24	5.08	12 IEC 10 UL (B) 10 UL (C)	320 IEC 300 UL (B) 300 UL (C)	90°
 TVFKC 1,5/..-ST TVFKCL 1,5/..-ST	TWIN design, mating area, short Mating area, long	2–10	5.0	10 IEC 8 UL (B) 8 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
 TFKC 2,5/..-ST TFKC 2,5/..-STF TFKC 2,5/..-LR	TWIN design, without flange With screw flange With Lock and Release locking	2–10	5.08	12 IEC 10 UL (B) 10 UL (D)	320 IEC 300 UL (B) 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 mm² (AWG 14)

Web code: #0779

Plugs: push-in spring connection, female

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 GFKC 2,5/..-ST GFKC 2,5/..-STF	Without flange With screw flange	2–12	7.5/7.62	12 IEC 10 UL (B) 10 UL (D)	630 IEC 300 UL (B) 300 UL (D)	0°
 GFKC 2,5/..-STF-EX	With screw flange	2–12	7.62	12 IEC	352 IEC	0°

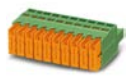
Web code: #0780

Inverted plugs: push-in spring connection, male

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 FKIC 2,5/..-ST FKIC 2,5/..-STF FKIC 2,5/..-ST-RN	Without flange With screw flange With snap-in latch	2–16	5.0/5.08	12 IEC 10 UL (B) 10 UL (D)	320 IEC 300 UL (B) 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 FKICS 2,5/..-STF FKICS 2,5/..-STD-RN	Without flange With screw flange With snap-in latch and direct fastening	2–16	5.0/5.08 5.0/5.08 5.08	12 IEC 10 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
 GFKIC 2,5/..-ST	Without flange	2–12	7.62	12 IEC 10 UL (B) 10 UL (D)	630 IEC 300 UL (B) 300 UL (D)	0°

Web code: #0781

Plugs: IDC displacement connection, female

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 QC 1/..-ST QC 1/..-STF	Without flange With screw flange	2–18 2–16	5.08	10 IEC 10 UL (B) 10 UL (D)	630 IEC 300 UL (B) 300 UL (D)	90°
 QC 1/..-ST-BUS	BUS connection for feeding through the conductor	2–6	5.0	10 IEC 10 UL (B) 10 UL (D)	630 IEC 300 UL (B) 300 UL (D)	90°/270°
 QC 1,5/..-ST QC 1,5/..-STF	Without flange With screw flange	2–16	5.0	12 IEC 10 UL (B) 10 UL (D)	630 IEC 300 UL (B) 300 UL (D)	0°

Web code: #0782

Plugs: crimp connection, female

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (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 10 UL (B) 10 UL (D)	320 IEC 250 UL (B) 300 UL (D)	0°
 MSTBC 2,5/..-STZ MSTBC 2,5/..-STZF MSTBC 2,5/..-STZ-R MSTBC 2,5/..-STZFD	Closing assist option With and without screw flange With latching flange With screw flange and direct fastening	2–24	5.08	12 IEC 10 UL (B) 10 UL (D)	320 IEC 250 UL (B) 300 UL (D)	0°

Web code: #0783

Inverted plugs: crimp connection, male

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 ICC 2,5/..-STZ ICC 2,5/..-STZF ICC 2,5/..-STZFD	Closing assist option With and without screw flange With screw flange and direct fastening	2–24	5.08	12 IEC 10 UL (B) 10 UL (D)	320 IEC 250 UL (B) 300 UL (D)	0°

Web code: #0784	Direct plug-in block, female						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (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[1] (A)	Voltage[1 2] (V)	Connection direction
	MVSTBU 2,5/..-GB MVSTBU 2,5/..-GFB	Without flange With threaded flange	2–20	5.08	12 IEC 12 UL (B) 10 UL (D)	320 IEC 250 UL (B) 300 UL (D)	0°

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

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

Web code: #0789	Headers: THR soldering, male						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
New 	CCA 2,5/..-G CC 2,5/..-GF CCA 2,5/..-G-RN CC 2,5/..-GF-LR	Without flange With threaded flange With snap-in latch With Lock and Release locking	2–24 2–12 2–12 2–24	5.0/5.08 5.08 5.08 5.0/5.08	12 IEC 10 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
New 	CCVA 2,5/..-G CCV 2,5/..-GF CCVA 2,5/..-G-RN CCV 2,5/..-GF-LR	Without flange With threaded flange With snap-in latch With Lock and Release locking	2–24 2–12 2–12 2–24	5.0/5.08 5.08 5.08 5.0/5.08	12 IEC 10 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	90°
	CCDN 2,5/..-G1-THR CCDN 2,5/..-G1F-THR	Without flange With threaded flange	2–18	5.0/5.08	12 IEC 10 UL (B) 10 UL (D)	400 IEC 300 UL (B) 300 UL (D)	0°
	MSTBO 2,5/..-G1R-THR MSTBO 2,5/..-G1L-THR	Right version Left version	2–4	5.0	16 IEC	400 IEC 300 UL (B) 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 mm² (AWG 14)

Web code: #0790

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

Web code: #0790	Headers: wave soldering, male						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	MDSTBA 2,5/..-G MDSTB 2,5/..-GF	Without flange With threaded flange	2–12	5.0/5.08	10 IEC 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
	MDSTBVA 2,5/..-G MDSTBV 2,5/..-GF	Without flange With threaded flange	2–12	5.0/5.08	10 IEC 12 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	90°
	MDSTBW 2,5/..-G	Without side panel With stand-off	2–12	5.0/5.08	10 IEC 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
	MDSTB 2,5/..-G1	Without flange	2–20	5.0/5.08	10 IEC 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
	MDSTBV 2,5/..-G1	Without flange	2–20	5.0/5.08	10 IEC 12 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	90°
	GMSTB 2,5/..-G	Without side panel	2–12	7.5/7.62	12 IEC 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
	GMSTBV 2,5/..-G	Without side panel	2–12	7.5/7.62	12 IEC 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	90°
	GMSTBA 2,5/..-G GMSTBA 2,5/..-GF	Without flange With threaded flange	2–12	7.5/7.62 7.62	12 IEC 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
	GMSTBVA 2,5/..-G GMSTBVA 2,5/..-GF	Without flange With threaded flange	2–12	7.5/7.62 7.62	12 IEC 15 UL (B) 10 UL (D)	320 IEC 300 UL (B) 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[1] (A)	Voltage[1 2] (V)	Connection direction
	IC 2,5/..-G IC 2,5/..-GF	Without flange With threaded flange	2–24 2–20	5.08	12 IEC 12 UL (B) 10 UL (D)	320 IEC 250 UL (B) 300 UL (D)	0°
	ICV 2,5/..-G ICV 2,5/..-GF	Without flange With threaded flange	2–24 2–20	5.08	12 IEC 12 UL (B) 10 UL (D)	320 IEC 250 UL (B) 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 mm² (AWG 14)

Web code: #0791

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

Web code: #0792

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

Web code: #0793

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

PCB connectors for conductor cross sections up to 2.5 mm² (AWG 14) of the HC series

Web code: #0794

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

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

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

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

Web code: #0798	Headers: wave soldering, male						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	MSTBA 2,5 HC/..-G MSTB 2,5 HC/..-GF	Without flange With threaded flange	2–12	5.0/5.08	16 IEC 16 UL (B)	320 IEC 300 UL (B)	0°
	MSTBVA 2,5 HC/..-G MSTBV 2,5 HC/..-GF	Without flange With threaded flange	2–12	5.0/5.08	16 IEC 16 UL (B)	320 IEC 300 UL (B)	90°
	GMSTBA 2,5 HC/..-G GMSTBA 2,5 HC/..-G-LR	Without flange With Lock and Release locking	2–12	7.62	16 IEC 18,5 UL (B)	600 IEC 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 mm² (AWG 14) of the HC series

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

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

PCB connectors for conductor cross sections up to 4 mm² (AWG 12)

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

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

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

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

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

Web code: #0805	DIN rail plugs: screw connection, male						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	PCVK 4	For mounting on NS 15	1 pos. can be aligned	7.62	20 IEC 20 UL (B, C)	630 IEC 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 20 UL (B, C)	1000 IEC 300 UL (B, C)	0°

PCB connectors for conductor cross sections up to 6 mm² (AWG 10)

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

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

Web code: #0808	Plugs: push-in spring connection, female						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	SPC 5/..-ST SPC 5/..-STF SPC 5/..-STCL	Without flange With screw flange With Click and Lock locking	2–12	7.62	41 IEC 35 UL (B, C)	1000 IEC 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 mm² (AWG 10)

Web code: #0808

Plugs: push-in spring connection, female

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 SPC 5/..-STF-SH	With screw flange and shield	4	7.62	41 IEC 35 UL (B, C)	1000 IEC 600 UL (B, C)	0°
 TSPC 5/..-ST TSPC 5/..-STF TSPC 5/..-STCL	TWIN design, without flange With screw flange With Click and Lock locking	2–12	7.62	41 IEC 31 UL (B, C)	1000 IEC 600 UL (B, C)	0°

Web code: #0809

Inverted plugs: push-in spring connection, male

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 ISPC 5/...-STGCL ISPC 5/...-STF ISPC 5/...-STGF	With Click and Lock locking With screw flange With threaded flange	2–12	7.62	41 IEC 35 UL (B, C)	1000 IEC 600 UL (B, C)	0°

Web code: #0810

Headers: wave soldering, male

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
New  PC 5/..-G PC 5/..-GF PC 5/..-GSF	Without flange (Click and Lock) With threaded flange With additional solder pin	2–12	7.62	41 IEC 41 UL (B, C)	630 IEC 150 UL (C)	0°
 PC 5/..-GU PC 5/..-GFU	Without flange (Click and Lock) With threaded flange	2–12	7.62	41 IEC 41 UL (B, C)	630 IEC 150 UL (C)	180°
 PCV 5/..-G PCV 5/..-GF	Without flange (Click and Lock) With threaded flange	2–12	7.62	41 IEC 41 UL (B, C)	630 IEC 150 UL (C)	90°

Web code: #0811

Inverted headers: wave soldering, female

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 IPC 5/..-G IPC 5/..-GF	Without flange With threaded flange	2–12	7.62	41 IEC 41 UL (B, C)	630 IEC 300 UL (B, C)	0°
 IPC 5/..-GU IPC 5/..-GFU	Without flange With threaded flange	2–12	7,62	41 IEC 41 UL (B, C)	630 IEC 300 UL (B, C)	180°
 IPCV 5/..-G IPCV 5/..-GF	Without flange With threaded flange	2–12	7.62	41 IEC 41 UL (B, C)	630 IEC 300 UL (B, C)	90°

Web code: #0812

Feed-through connectors: screw connection, male

Product range	Notes	Number of pos.	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 DFK-PC 5/..-ST DFK-PC 5/..-STF DFK-PC 5/..-STF-SH	Without flange (Click and Lock) With threaded flange and shield connection With threaded flange and shield feed-through	2–12	7.62	41 IEC 41 UL (B, C)	1000 IEC 600 UL (B, C)	0°

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

PCB connectors for conductor cross sections up to 16 mm² (AWG 6)

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

Web code: #0815	Inverted plugs: screw connection, male						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	IPC 16/..-ST IPC 16/..-STF	Without flange With screw flange	2–9	10.16	76 IEC 55 UL (B, C)	1000 IEC 600 UL (B, C)	0°
	IPC 16/..-STF-SH	With screw flange and shield	3–4	10.16	76 IEC 55 UL (B, C)	1000 IEC 600 UL (B, C)	0°
	IPC 16/..-STGF	With threaded flange	2–9	10.16	76 IEC 55 UL (B, C)	1000 IEC 600 UL (B, C)	0°
	IPC 16/..-STGF-SH	With threaded flange and shield	4	10.16	76 IEC 55 UL (B, C)	1000 IEC 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 mm² (AWG 6)

Plugs: push-in spring connection, female

Web code: #0816

	Product range	Notes	Number of pos.	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	SPC 16/..-ST SPC 16/..-STF	Without flange With screw flange	2–9	10.16	76 IEC 66 UL (B, C)	1000 IEC 600 UL (B, C)	0°
	SPC 16/..-STF-SH	With screw flange and shield	4	10.16	76 IEC 66 UL (B, C)	1000 IEC 600 UL (B, C)	0°

Inverted plugs: push-in spring connection, male

Web code: #0817

	Product range	Notes	Number of pos.	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	ISPC 16/..-ST ISPC 16/..-STF ISPC 16/..-STGF	Without flange With screw flange With threaded flange	2–9	10.16	76 IEC 66 UL (B, C)	1000 IEC 600 UL (B, C)	0°

Headers: wave soldering, male

Web code: #0818

	Product range	Notes	Number of pos.	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	PC 6-16/..-G1 PC 6-16/..-G1F	Without flange With threaded flange	2–9	10.16	76 IEC 66 UL (B, C)	1000 IEC 300 UL (B, C)	0°
	PC 6-16/..-G1U PC 6-16/..-G1FU	Without flange With threaded flange	2–9	10.16	76 IEC 66 UL (B, C)	1000 IEC 300 UL (B, C)	180°
	PCV 6-16/..-G1 PCV 6-16/..-G1F	Without flange With threaded flange	2–9	10.16	76 IEC 66 UL (B, C)	1000 IEC 300 UL (B, C)	90°

Inverted headers: wave soldering, female

Web code: #0819

	Product range	Notes	Number of pos.	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	IPC 16/..-G IPC 16/..-GF	Without flange With threaded flange	2–9	10.16	76 IEC 66 UL (B, C)	1000 IEC 300 UL (B, C)	0°
	IPC 16/..-GU IPC 16/..-GFU	Without flange With threaded flange	2–9	10.16	76 IEC 66 UL (B, C)	1000 IEC 300 UL (B, C)	180°
	IPCV 16/..-G IPCV 16/..-GF	Without flange With threaded flange	2–9	10.16	76 IEC 66 UL (B, C)	1000 IEC 300 UL (B, C)	90°

Feed-through connectors: screw connection, male

Web code: #0820

	Product range	Notes	Number of pos.	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	DFK-PC 16/..-ST DFK-PC 16/..-STF DFK-PC 16/..-STF-SH	Without flange With threaded flange and shield connection With threaded flange and shield feed-through	2–9	10.16	76 IEC 55 UL (B, C)	1000 IEC 600 UL (B, C)	0°

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

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

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

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

PCB connectors for conductor cross sections up to 35 mm² (AWG 2)

Web code: #0825	Plugs: screw connection, female						
	Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	PC 35 HC/..-STF	With screw flange	2–6	15	125 IEC 115 UL (B, C)	1000 IEC 600 UL (B, C)	0°
	PC 35 HC/..-STF-SH	With screw flange and shield	4	15	125 IEC 115 UL (B, C)	1000 IEC 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 mm² (AWG 2)

Web code: #0826

Inverted plugs: screw connection, male

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 IPC 35 HC/..-STF IPC 35 HC/..-STGF	With screw flange With threaded flange	2–6	15	125 IEC 115 UL (B, C)	1000 IEC 600 UL (B, C)	0°
 IPC 35 HC/..-STF-SH IPC 35 HC/..-STGF-SH	With screw flange and shield With threaded flange and shield	4	15	125 IEC 115 UL (B, C)	1000 IEC 600 UL (B, C)	0°

Web code: #0827

Headers: wave soldering, male

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 PC 35 HC/..-GF	With screw flange	2–6	15	125 IEC 115 UL (B, C)	1000 IEC 600 UL (B, C)	0°
 PC 35 HC/..-GF-SH	With screw flange With shield connection	4	15	125 IEC 115 UL (B, C)	1000 IEC 600 UL (B, C)	0°
 PCV 35 HC/..-GF	With screw flange	2–6	15	125 IEC 115 UL (B, C)	1000 IEC 600 UL (B, C)	90°

Web code: #0828

Inverted headers: wave soldering, female

Product range	Notes	Number of positions	Pitch	Current[1] (A)	Voltage[1 2] (V)	Connection direction
 IPC 35 HC/..-GF	With screw flange	2–6	15	125 IEC 115 UL (B, C)	1000 IEC 600 UL (B, C)	0°
 DFK-IPC 35 HC/..-GF	With screw flange With shield connection	2–6	15	125 IEC 115 UL (B, C)	1000 IEC 600 UL (B, C)	0°
 IPCV 35 HC/..-GF	With screw flange	2–6	15	125 IEC 115 UL (B, C)	1000 IEC 600 UL (B, C)	90°
 DFK-IPCV 35 HC/..-GF	With screw flange With shield connection	2–6	15	125 IEC 115 UL (B, C)	1000 IEC 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 4 mm² to 150 mm²

High-current feed-through terminal blocks for cross sections of up to 4 mm² (AWG 10)

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

Web code: #0830	Push-in spring connection						
	Product name	Connection, interior	Notes	Number of positions	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	PW(O) 4-POT-SCM 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 30 UL (B, C)	1000 IEC 300 UL (B, C)	45°

High-current feed-through terminal blocks for cross sections of up to 10 mm² (AWG 8)

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

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

High-current feed-through terminal blocks for cross sections of up to 16 mm² (AWG 6)

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

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

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

Web code: #0836	Bolt connection						
	Product name	Connection, interior	Notes	Number of positions	Current[1] (A)	Voltage[1 2] (V)	Connection direction
	RW 5 RW 5-POT	Bolt connection	With captive cover nut, POT versions suitable for molding	1 pos. can be aligned	76 IEC 65 UL (B, C)	1000 IEC 600 UL (B, C)	0°
	RWV 5 RWV 5-POT	Bolt connection	With captive cover nut, POT versions suitable for molding	1 pos. can be aligned	76 IEC 65 UL (B, C)	1000 IEC 600 UL (B, C)	-90°
	RWO 5 RWO 5-POT	Bolt connection	Without cover, POT versions suitable for molding	1 pos. can be aligned	76 IEC 65 UL (B, C)	1000 IEC 600 UL (B, C)	0°
	RWOV 5 RWOV 5-POT	Bolt connection	Without cover, POT versions suitable for molding	1 pos. can be aligned	76 IEC 65 UL (B, C)	1000 IEC 600 UL (B, C)	-90°
	RWO 5-TC RWO 5-POT-TC	Bolt connection	With transparent cover, POT versions suitable for molding	1 pos. can be aligned	76 IEC 65 UL (B, C)	1000 IEC 600 UL (B, C)	0°
	RWOV 5-TC RWOV 5-POT-TC	Bolt connection	With transparent cover, POT versions suitable for molding	1 pos. can be aligned	76 IEC 65 UL (B, C)	1000 IEC 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 mm² (AWG 2)

Web code: #0837

	Screw connection						
	Product name	Connection, interior	Notes	Current[1] (A)	Voltage[1 2] (V)	Number of positions	Connection direction
	UW 25 UW 25-POT	Screw and bolt connection	POT versions suitable for molding	101 IEC 112,5 UL (B, C)	1000 IEC 600 UL (B, C)	1 pos. can be aligned	0°
	UWV 25 UWV 25-POT	Screw and bolt connection	POT versions suitable for molding	101 IEC 112,5 UL (B, C)	1000 IEC 600 UL (B, C)	1 pos. can be aligned	-90°

Web code: #0838

	TWIN screw connection						
	Product name	Connection, interior	Notes	Current[1] (A)	Voltage[1 2] (V)	Number of positions	Connection direction
	HDFKV 25-TWIN	Screw connection	Double connection	101 IEC 115 UL (B, C)	1000 IEC 600 UL (B, C)	1 pos. can be aligned	+90°/-90°

Web code: #0839

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

High-current feed-through terminal blocks for cross sections of up to 50 mm² (AWG 1/0)

Web code: #0840

	Screw connection						
	Product name	Connection, interior	Notes	Current[1] (A)	Voltage[1 2] (V)	Number of positions	Connection direction
	HDFK 50 HDFK 50-VP	Screw connection	VP versions suitable for molding	150 IEC 170 UL (B, C)	1000 IEC 600 UL (B, C)	1 pos. can be aligned	0°
	HDFKV 50 HDFKV 50-VP	Screw connection	VP versions suitable for molding	150 IEC 170 UL (B, C)	1000 IEC 600 UL (B, C)	1 pos. can be aligned	-90°

Web code: #0841

	T-LOX knee lever connection						
	Product name	Connection, interior	Notes	Current[1] 3 (A)	Voltage1 3 (V)	Number of positions	Connection direction
	TW 50	Bolt connection	Versions for direct connection, customer power strip	150 IEC 150 UL (B,C)	1000 IEC 600 UL (B, C)	1–6	0°

High-current feed-through terminal blocks for cross sections of up to 95 mm² (AWG 3/0)

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

Web code: #0843	T-LOX knee lever connection						
	Product name	Connection, interior	Notes	Current[1] 3 (A)	Voltage1 3 (V)	Number of positions	Connection direction
 New	TW 95	Bolt connection	Versions for direct connection Customer power strip	232 IEC 230 UL (B, C)	1000 IEC 600 UL (B, C)	1–6 pos.	0°

High-current feed-through terminal blocks for cross sections of up to 150 mm² (AWG 250)

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

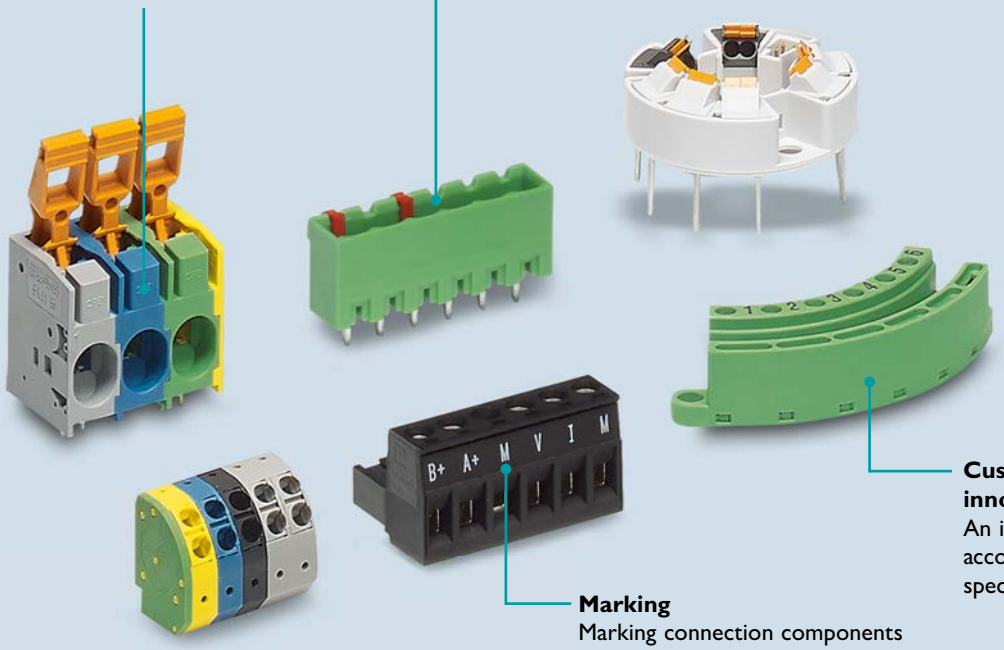
3) The specified value is expected upon approval

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.

Color options
PCB terminal blocks and PCB connectors are available in various colors

Coding
Individually-coded connectors and headers prevent mismatching

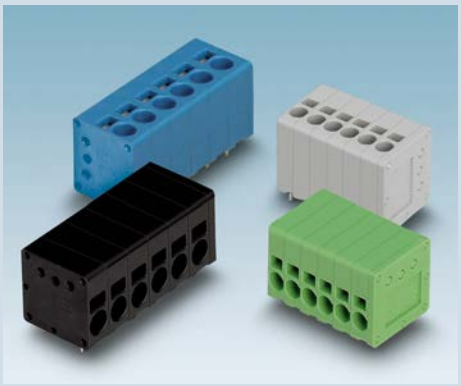


Customer-specific innovation
An individual solution according to your specifications

Marking
Marking connection components individually

Web code: #1169

Individual solutions thanks to variants

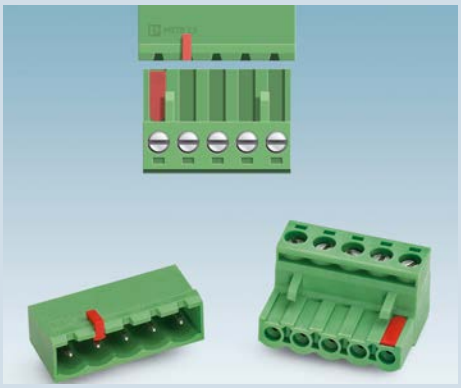


Color options

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

Web code: #0685

Color options
Electronics housings are produced in individual colors

Mechanical processing
Producing customer-specific cutouts on each side of the housing

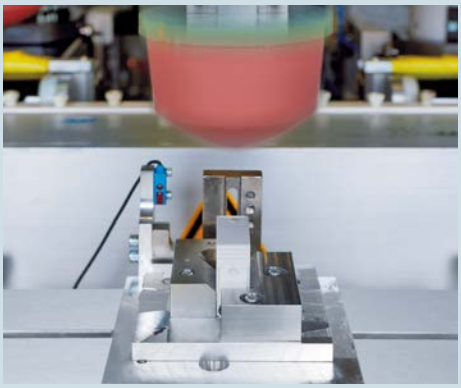
Individualize your housings

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.

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

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

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