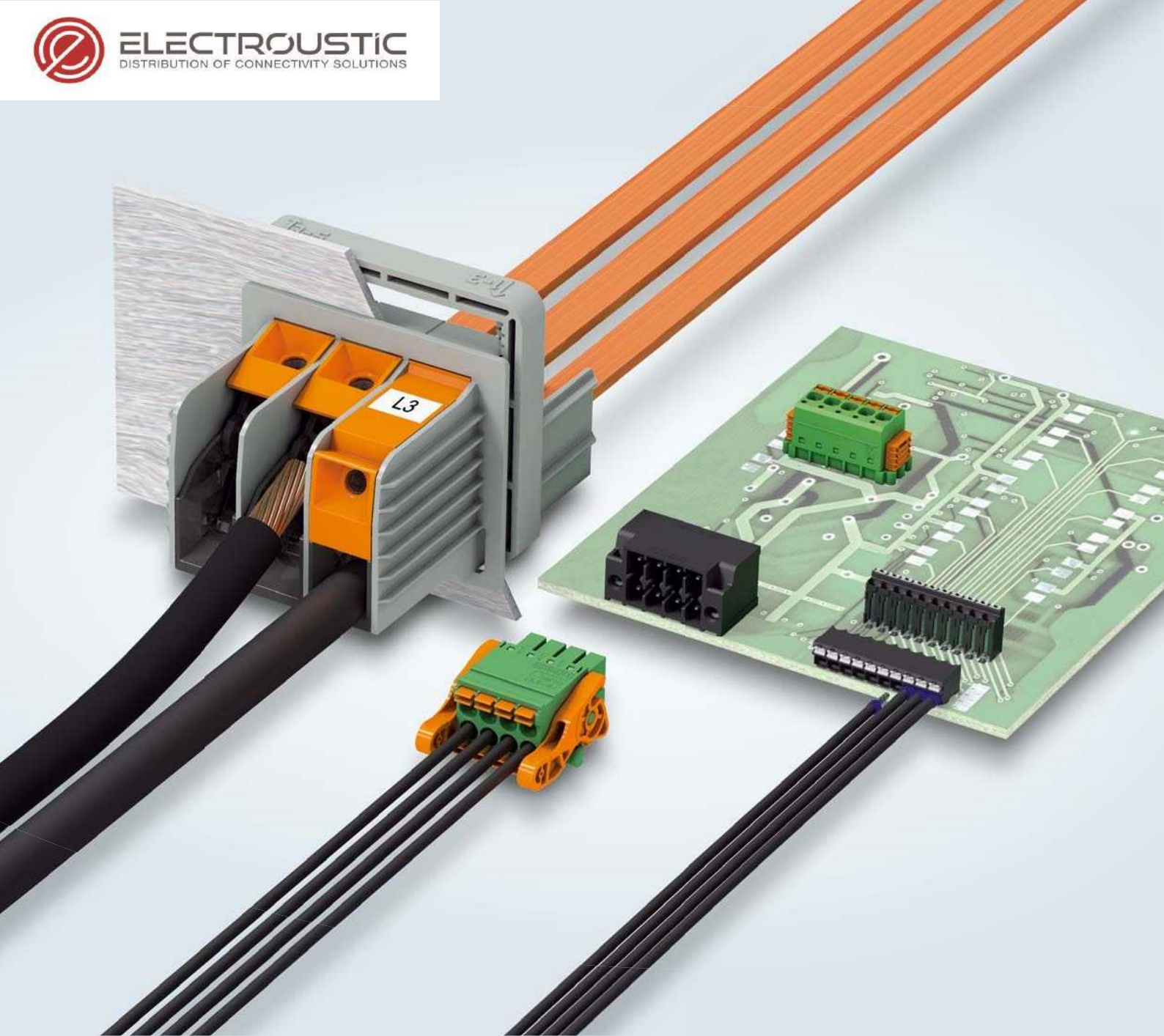




PCB terminal blocks and PCB connectors

Product overview 2016/2017

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 2 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 to 35 mm²
- For currents up to 125 A and voltages up to 1000 V (IEC)
- With screw, spring, cutting terminal and crimp connections 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 contact protection



Web code: #0425

PCB terminal blocks

- For conductor cross sections from 0.14 mm² to 95 mm²
- For currents up to 232 A and voltages up to 1000 V (IEC)
- 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 to 150 mm²
- For currents up to 309 A and voltages up to 1000 V (IEC)
- With screw, spring, T-LOX and bolt connections for various connection directions
- For panel thickness of 1 to 6 mm
- Fastening through tool-free snap-in locking



Web code: #0456

Contents

Product range overview	2
PCB terminal blocks	4
PCB connectors	6
High-current feed-through terminal blocks	8
Applications, connection types and mounting technologies	10
UL certification and Ex approval	16
Product overview	20

Find out more with the web code

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



Web code: #1234 (example)

This allows you to access information on our website quickly.

It couldn't be simpler:

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

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

PCB terminal blocks

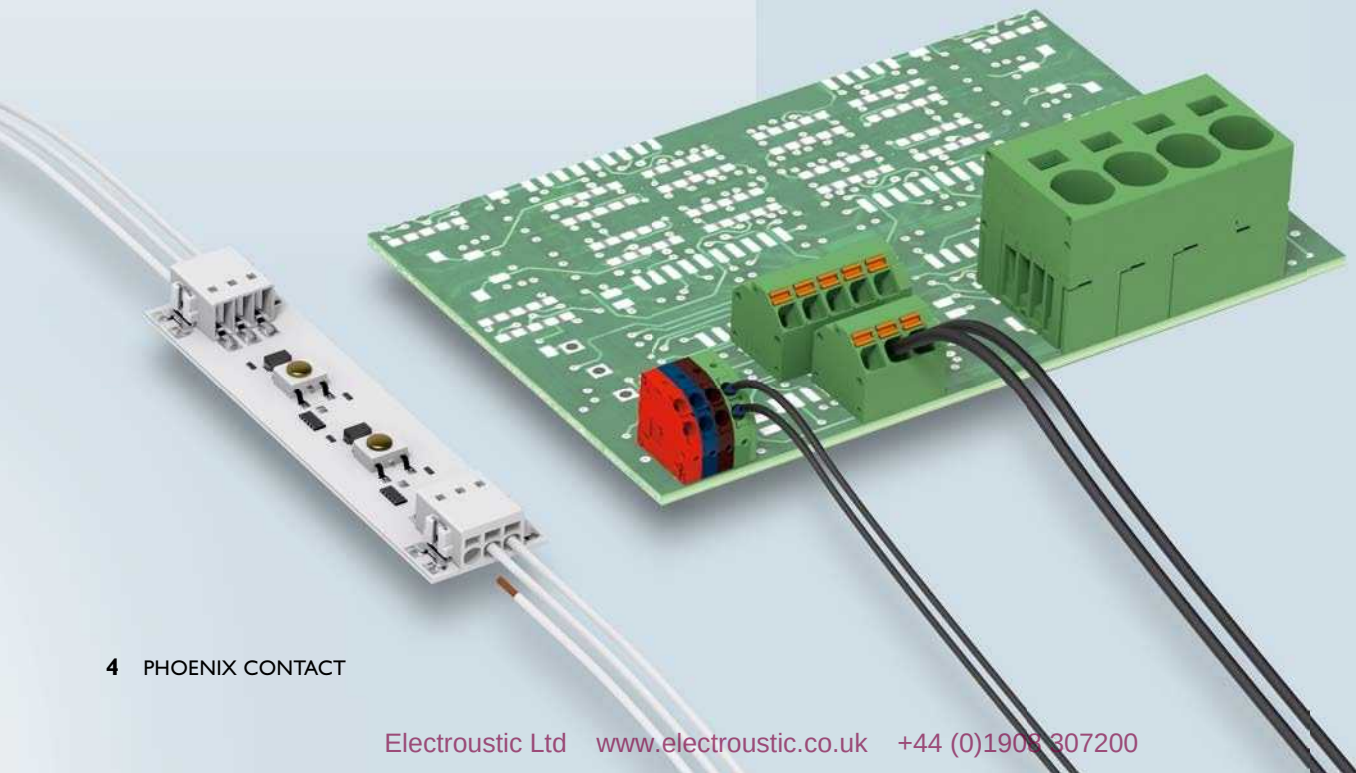
Whether you have process interfaces, automation components or frequency inverters - we offer the right terminal block for your application. The one-of-a-kind PCB terminal block product range consists of metric and imperial pitches of miniature PCB terminal blocks with a 2.5 mm pitch and terminal blocks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

Main features

- For conductor cross sections from 0.14 mm² to 95 mm²
- For currents up to 232 A and voltages up to 1000 V (IEC)
- With screw, spring and insulation displacement connection for various connection directions
- For pitches from 2.5 mm to 20 mm
- Assembly methods: wave, THR and SMT soldering



i Web code:
#0391

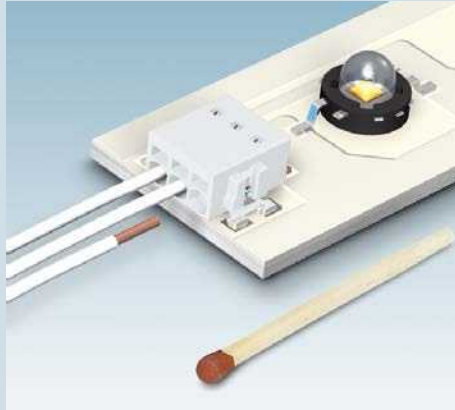


Advantages at a glance



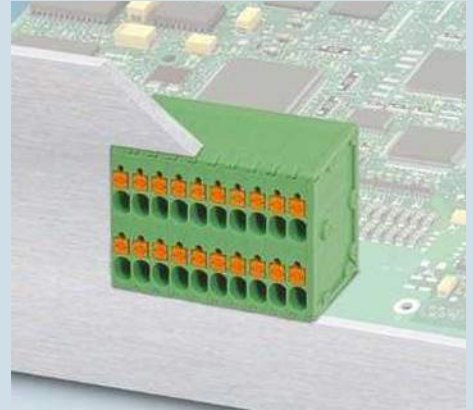
Individual markings

Printing, marking and color-coding



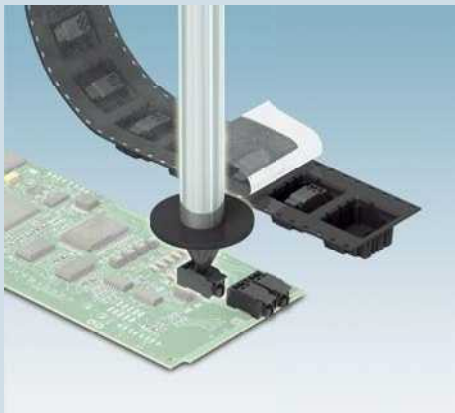
Compact design

Largest possible clamping space for 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



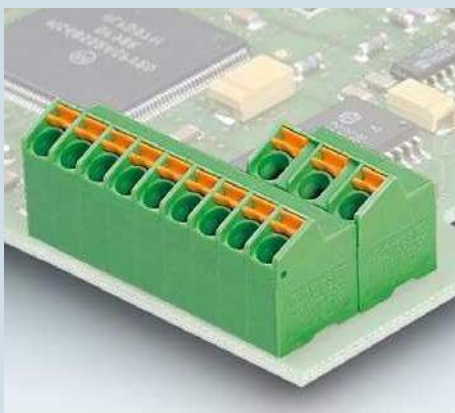
Multi-level designs

High packaging and connection density



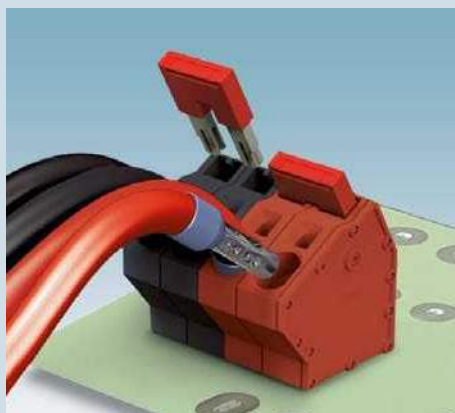
Secure mounting flange

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



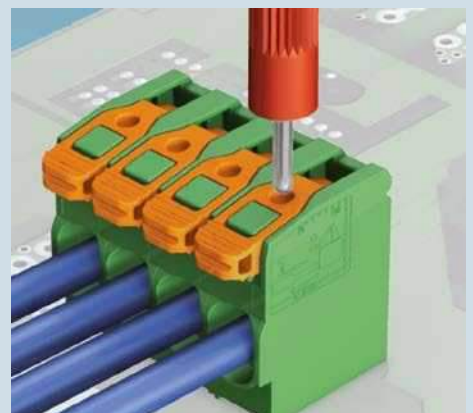
Multi-row assignment

An angled conductor outlet enables high packing density on the PCB



Easy potential distribution

Integrated and pluggable bridges for connecting individual positions simply



Integrated test points

Carry out measurements without removing the wiring

PCB connectors

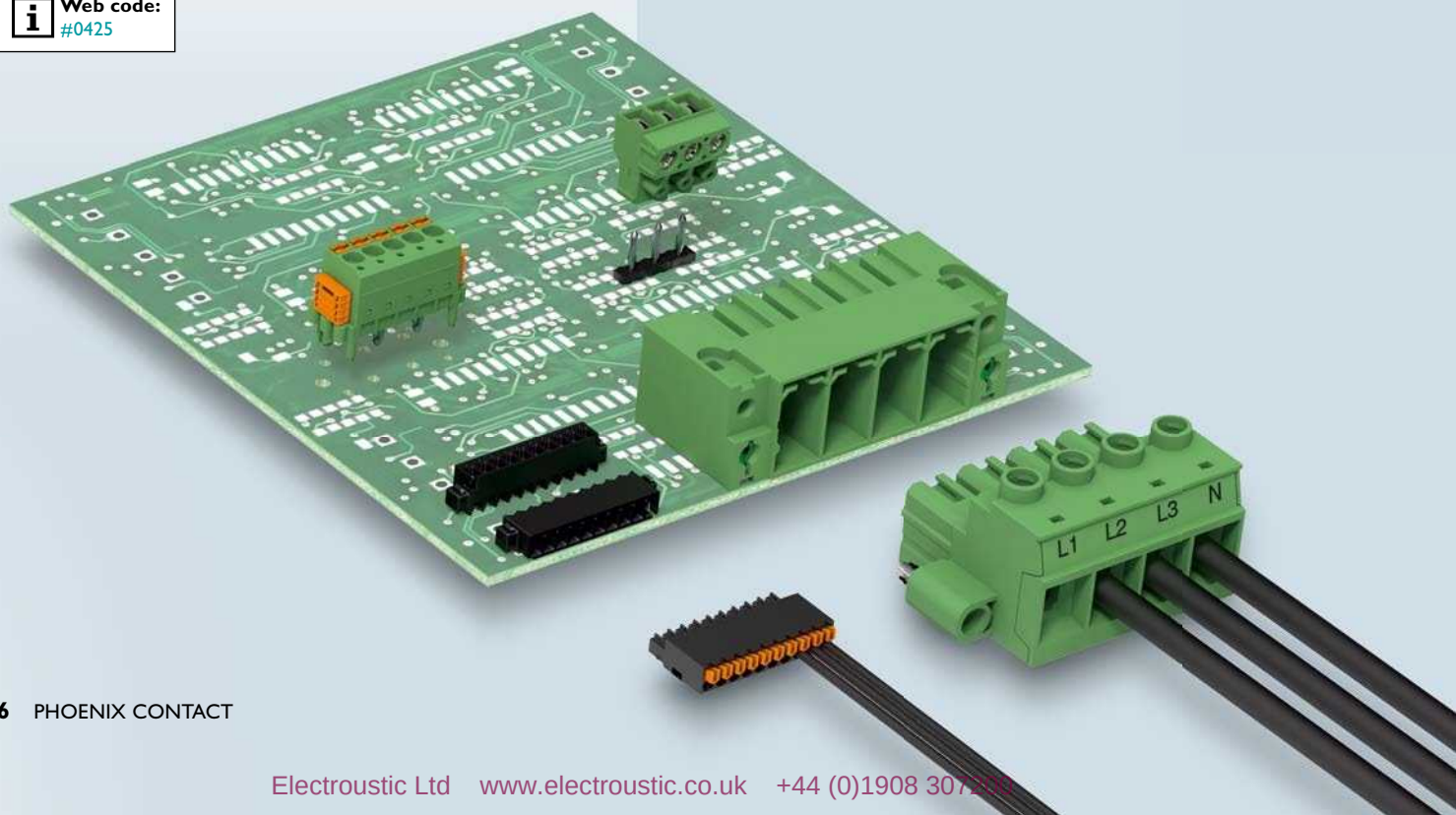
You can receive PCB connectors from Phoenix Contact with innovative connection technologies. Thanks to pitch dimensions ranging from 2.5 mm to 15 mm and amperages up to 125 A (IEC), you can always find the right solution for your device design.

Main features

- For conductor cross sections from 0.14 mm² to 35 mm²
- For currents up to 125 A and voltages up to 1000 V (IEC)
- With screw, spring, cutting terminal 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 with contact protection



i Web code:
#0425

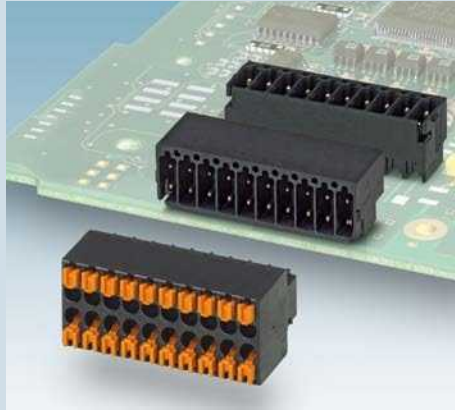


Advantages at a glance



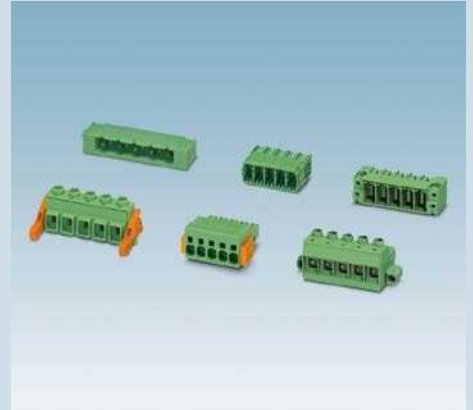
Compact design

Largest possible conductor cross sections at small component size



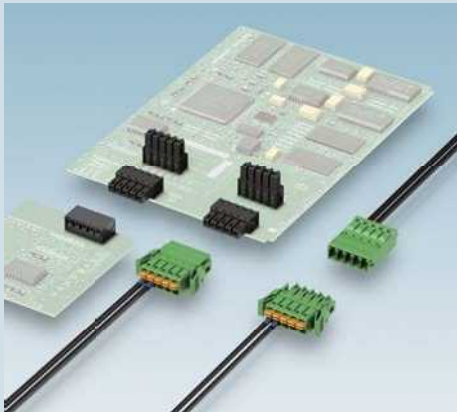
Multi-row connector

Multi-row versions for connecting conductors on multiple levels



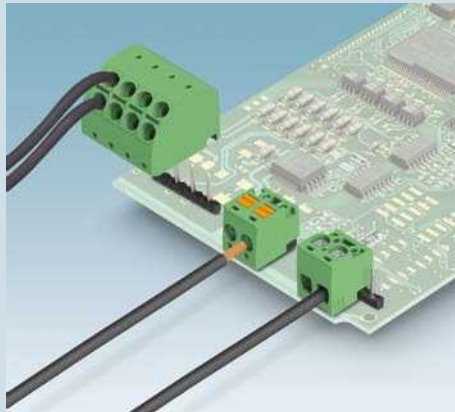
Innovative interlocking devices

Screw flange, self-locking flange, click-and-lock, lock-and-release locking



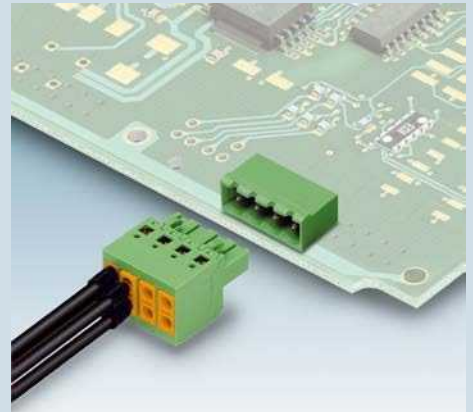
Numerous possible combinations

Inverted connector and header for contact-protected PCB outputs and free-hanging connections



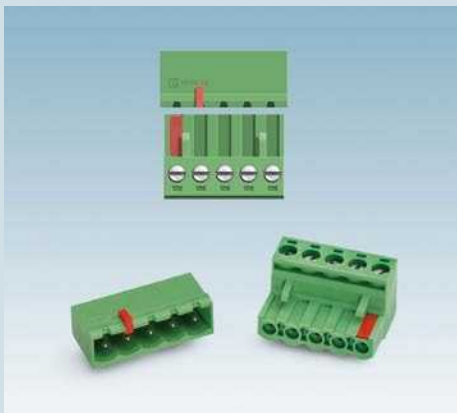
Cost-optimized pin strips

Straight and angled pin strips for wave and reflow soldering processes



Space-saving TWIN design

Two conductor outputs on one terminal post



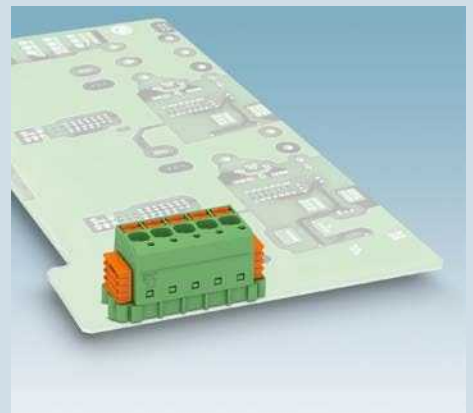
Mechanical coding

Incorrect plug-ins are prevented thanks to special coding tabs and coding profiles



Reliable panel feed-throughs

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



Tool-free direct mounting

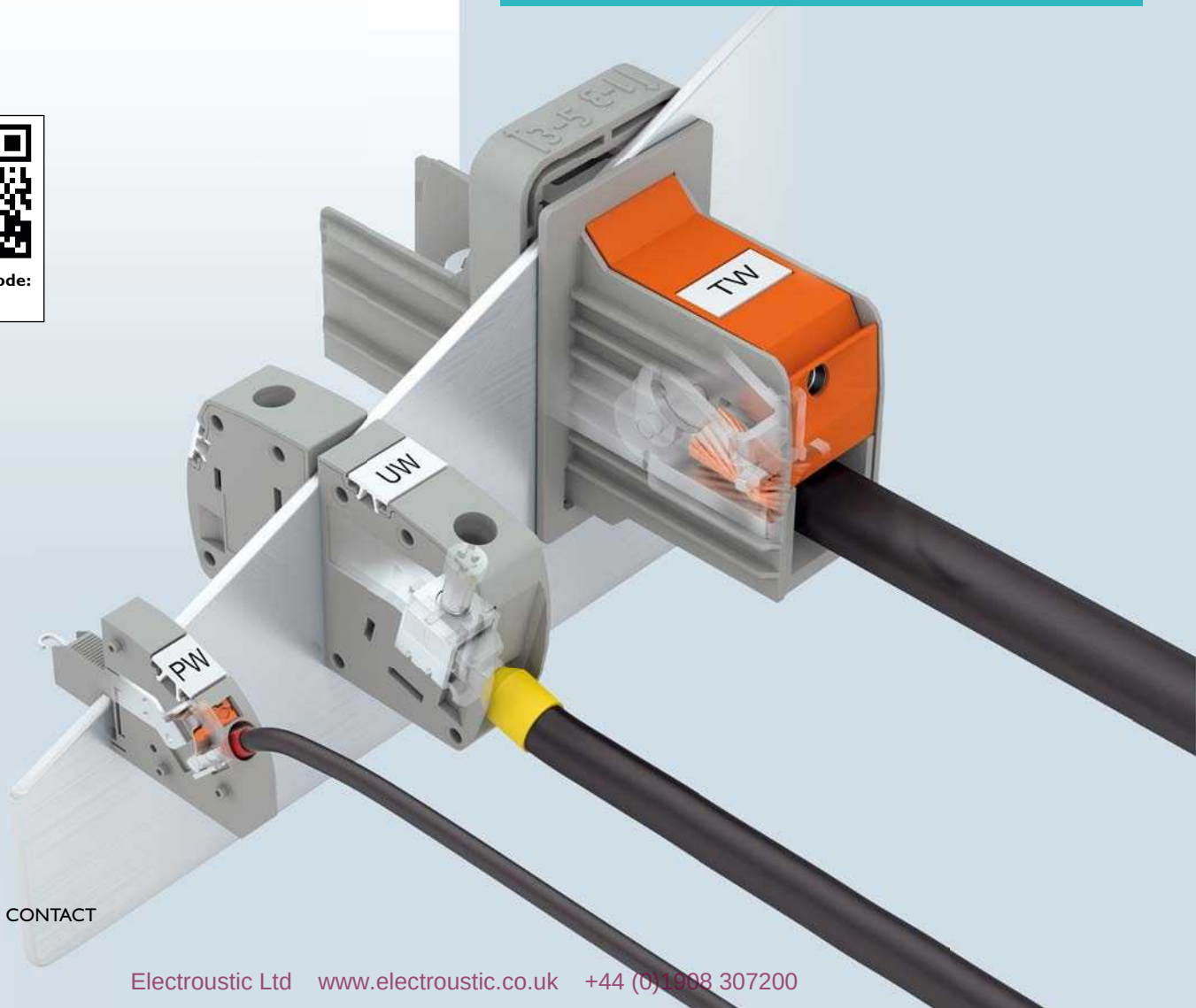
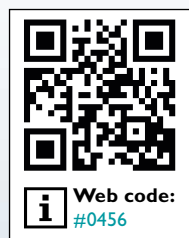
SKEDD direct plug-in technology for reduced material and process costs

High-current feed-through terminal blocks

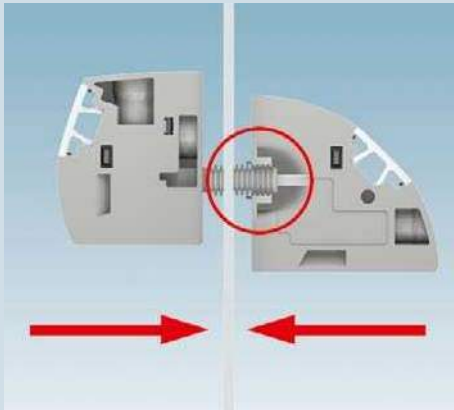
Phoenix Contact provides you with a complete product range of high-current feed-through terminal blocks in a compact design. The right solution for every application: for wall thicknesses ranging from 1 mm to 6 mm, amperages up to 309 A and voltages up to 1000 V (IEC).

Main features

- For conductor cross sections from 4 mm² to 150 mm²
- For currents up to 309 A and voltages up to 1000 V (IEC)
- With screw, spring, T-LOX and bolt connections for various connection directions
- For panel thickness of 1 to 6 mm
- Fastening through tool-free snap-in locking



Advantages at a glance



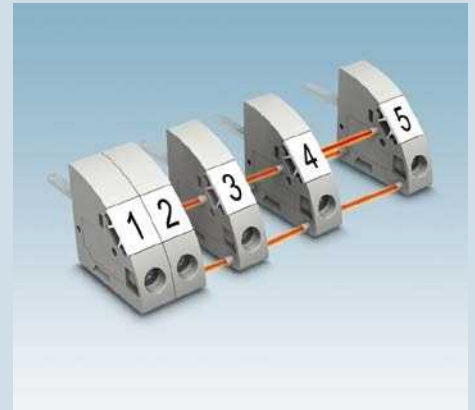
Easy assembly

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



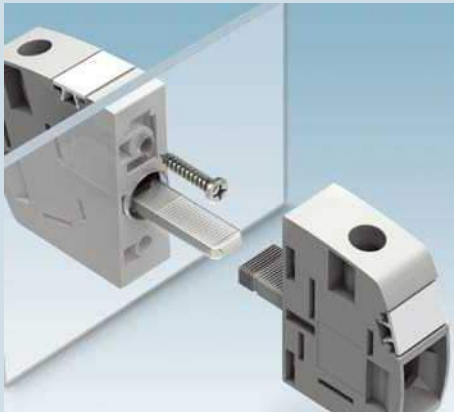
Clear marking

Marking groove integrated in the housing for clear marking



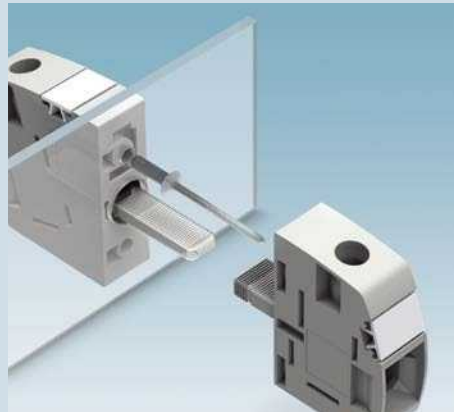
Convenient block formation

Form prefabricated blocks easily with securing pin versions



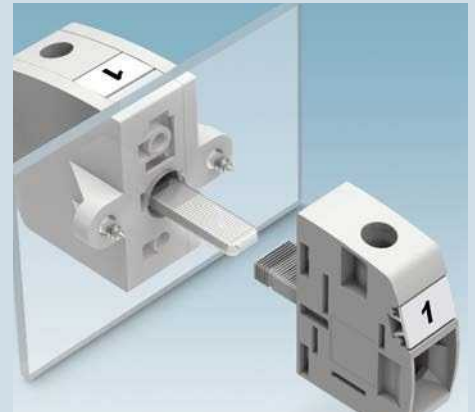
Screw fastening

Alternative fastening options inside device



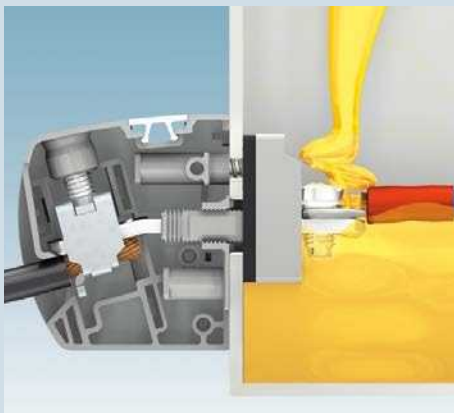
Rivet fastening

Alternative fastening options inside device



Flange fastening

Alternative fastening options outside device



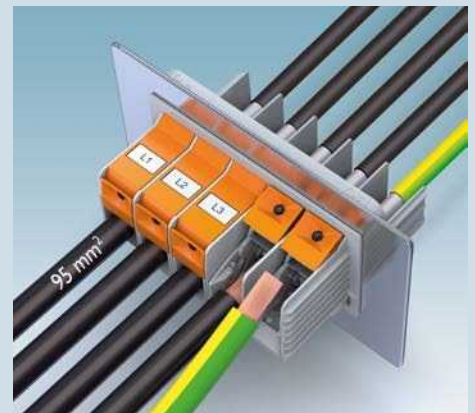
Maximum tightness

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 conductor up to 95 mm² 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

- Connector and panel feed-through terminal block for currents up to 8 A (IEC)
- 2.5 mm to 5.08 mm pitch



Switch network technology



Servo controller



Frequency inverters



Controller

Solutions for industry and process automation: COMBICON control

- PCB terminal blocks for currents up to 41 A (IEC)
- Connectors for currents up to 12 A (IEC)
- Panel feed-through terminal blocks for currents up to 12 A (IEC)
- 5.0 mm to 7.62 mm pitch



Power supply



Controller for rail vehicles



Signal converter



I/O system

Solutions for Smart Home and lighting: COMBICON compact

- PCB terminal blocks for currents up to 32 A (IEC)
- Connectors for currents up to 13.5 A (IEC)
- 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 from 32 A to 232 A (IEC)
- Connectors for currents from 16 A to 125 A (IEC)
- Panel feed-through terminal blocks for currents from 18 A to 309 A (IEC)
- 5.0 mm to 20 mm pitch



Variable frequency drives



Frequency inverters



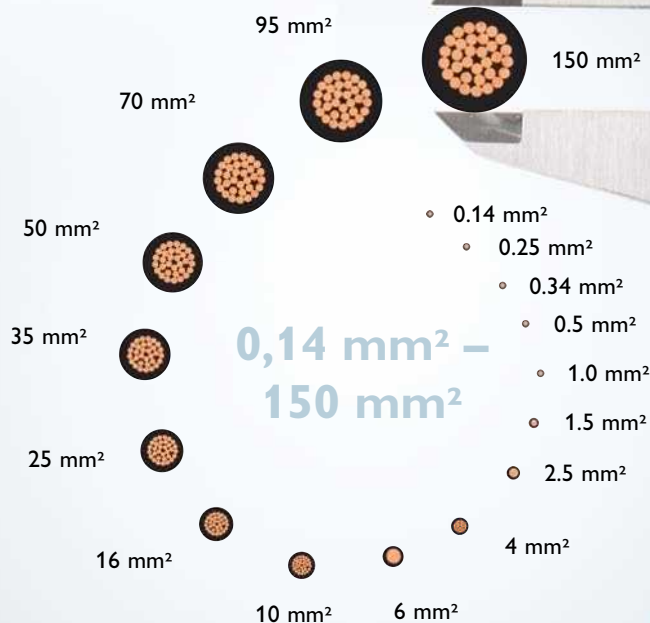
Power supplies



Solar inverter

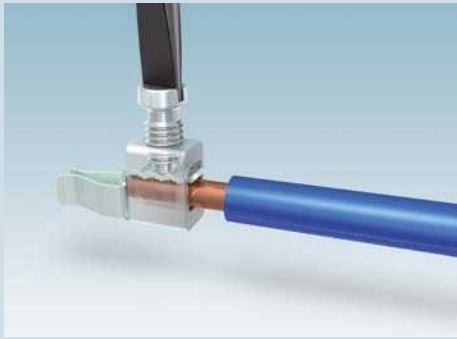
Always the right connection technology

For conductor cross sections between 0.14 mm² and 150 mm², Phoenix Contact provides the largest product range on the market. Whether globally established screw connections or innovative quick connection technology – the choice is yours.



Thanks to high-quality contact systems, you can connect fixed and flexible 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



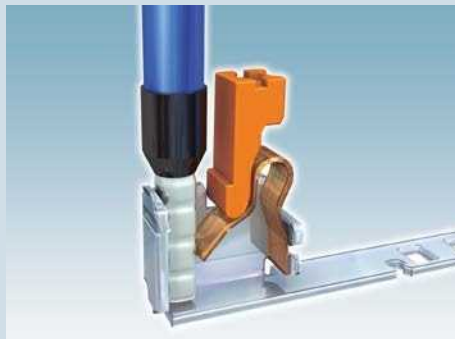
Push-in spring connection with screwdriver actuation



Spring-cage connection



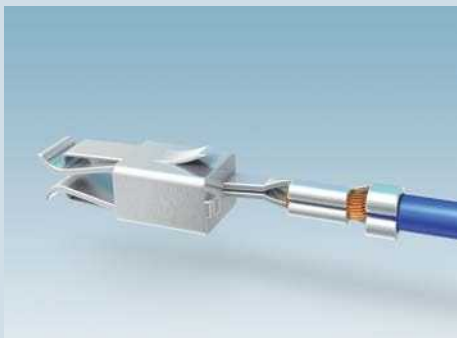
Push-lock spring connection



Push-in spring connection with push button



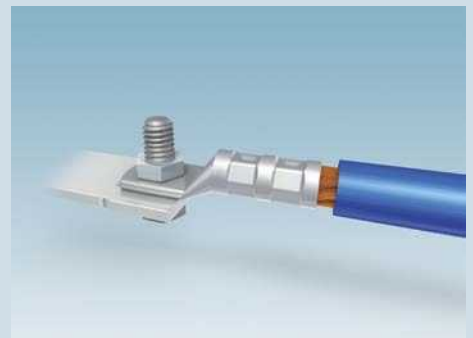
IDC displacement connection



Crimp connection



SUNCLIX spring connection



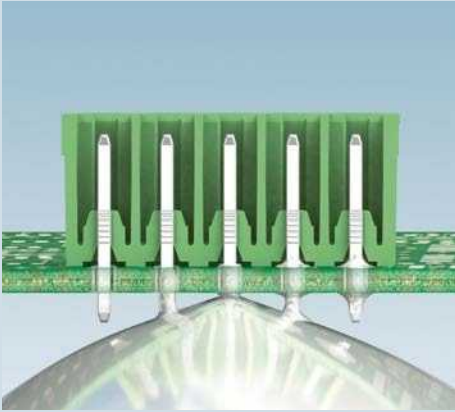
Bolt connection

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 plug-in technology also allows you to reduce your material and process costs up to 30%.

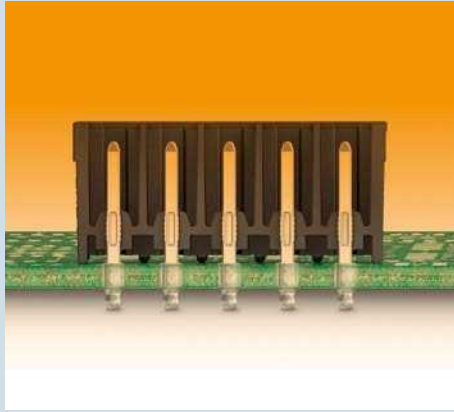


Manufacturing process at a glance



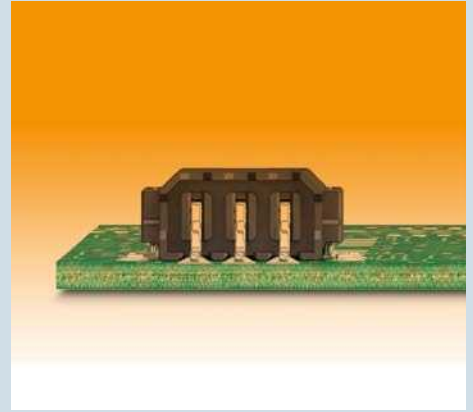
Wave soldering

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



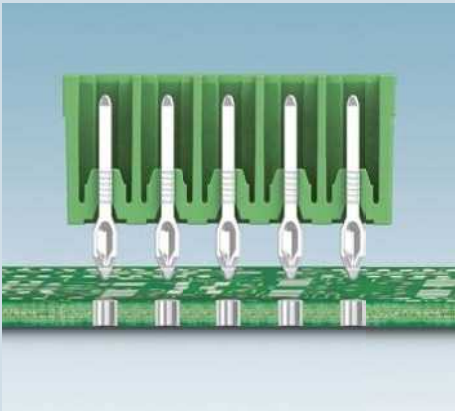
THR soldering

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



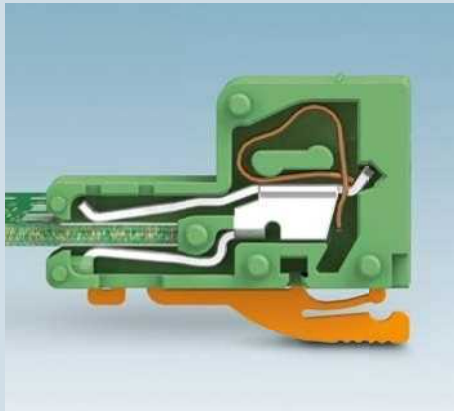
SMT soldering

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



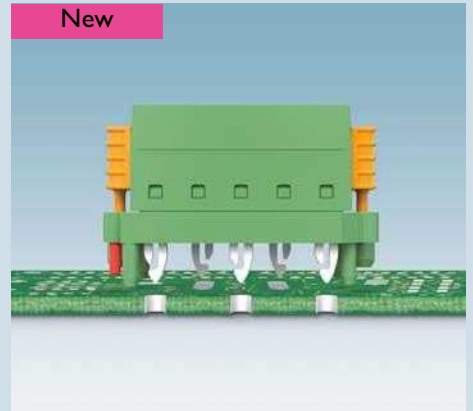
Press-in technology

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



Direct plug-in technology

Direct plug-in 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 plug-in technology

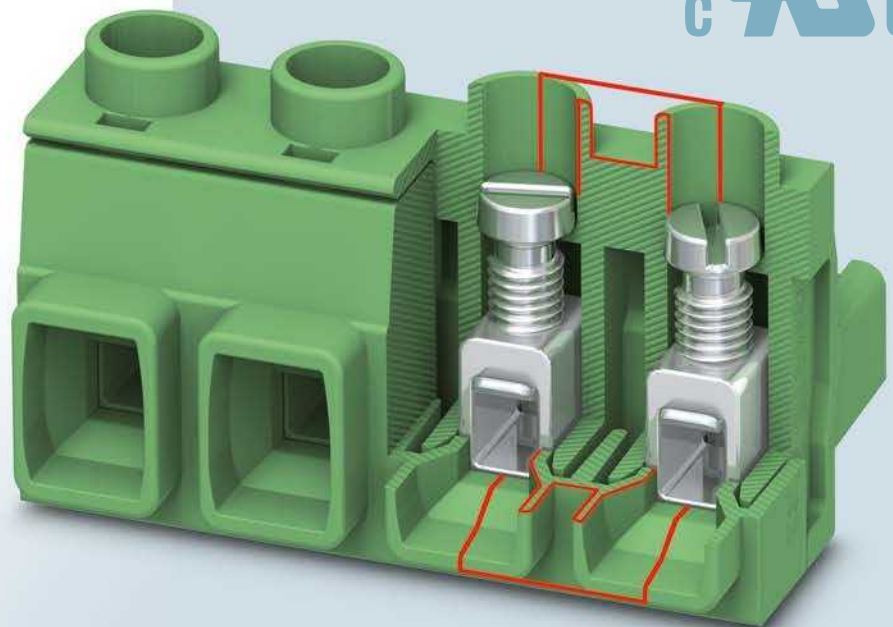
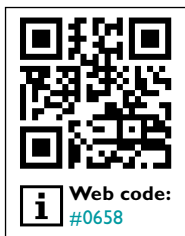
SKEDD is an innovative mounting technology for connecting PCB connectors directly with the PCB via plated-through holes. Mounting is tool-free and an additional header is not required. Body-bound rivets ensure a reliable and vibration-free connection.

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

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

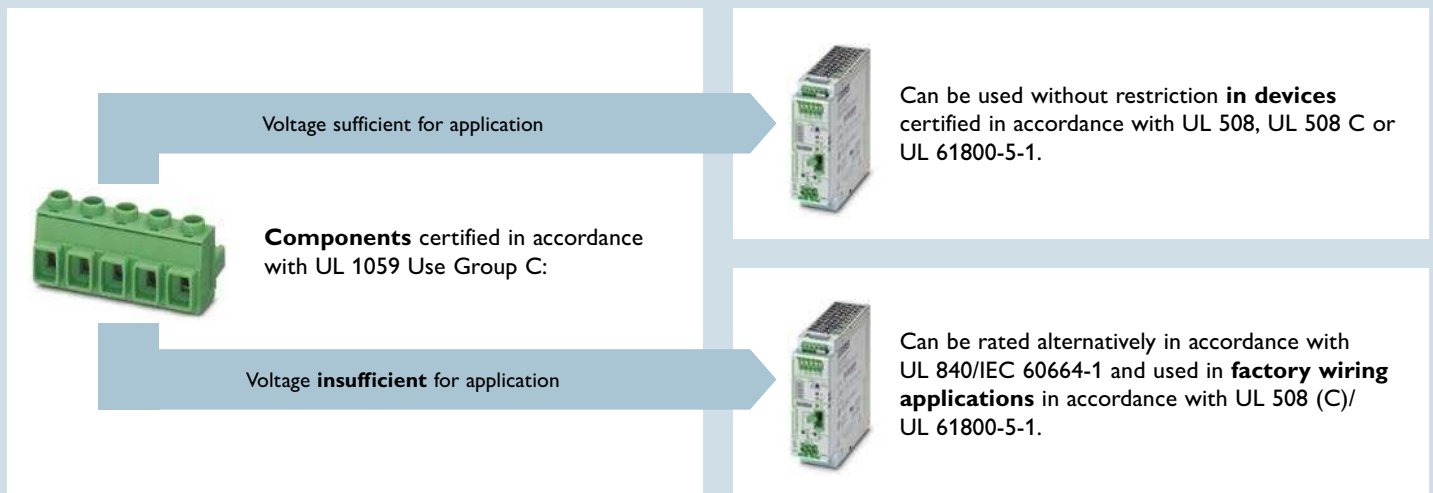


Air clearances and creepage distances

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

The 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.

Alternative rating according to product and device standards



UL 1059 "Terminal Blocks"

In order for Phoenix Contact products to be able to be used in industrial applications without restrictions, they are generally tested and recognized according to 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 termination device.

Use Group	Scope	Max. voltage (V)	Required distances (mm)	
			Clearance	Creepage distance
A	Operating elements, consoles, and the like	150	12.7	19.1
		300	19.1	31.8
		600	25.4	50.8
B	Conventional devices, including office and electronic data processing equipment and similar	150	1.6	1.6
		300	2.4	2.4
		600	9.5	12.7
C	Industrial applications, without restrictions	150	3.2	6.4
		300	6.4	9.5
		600	9.5	12.7
D	Industrial applications, operating equipment with limited performance data (limited rating)	300	1.6	3.2
		600	4.8	9.5
E	Connection technology for the power range 600–1500 V	601–1000	14	21.6
		1001–1500	17.8	30.5
R	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 according to UL 1059 Use Group C, meet the requirements of UL 508 for field wiring terminal blocks and can therefore be used in devices without restriction in accordance with this standard. In certain cases, UL 508 also permits the alternative rating according to 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 according to 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 according to IEC 60664-1 is possible here in certain cases.

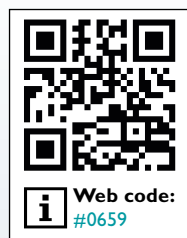
UL 840 "Insulation coordination including clearances and creepage distances for electrical equipment"

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

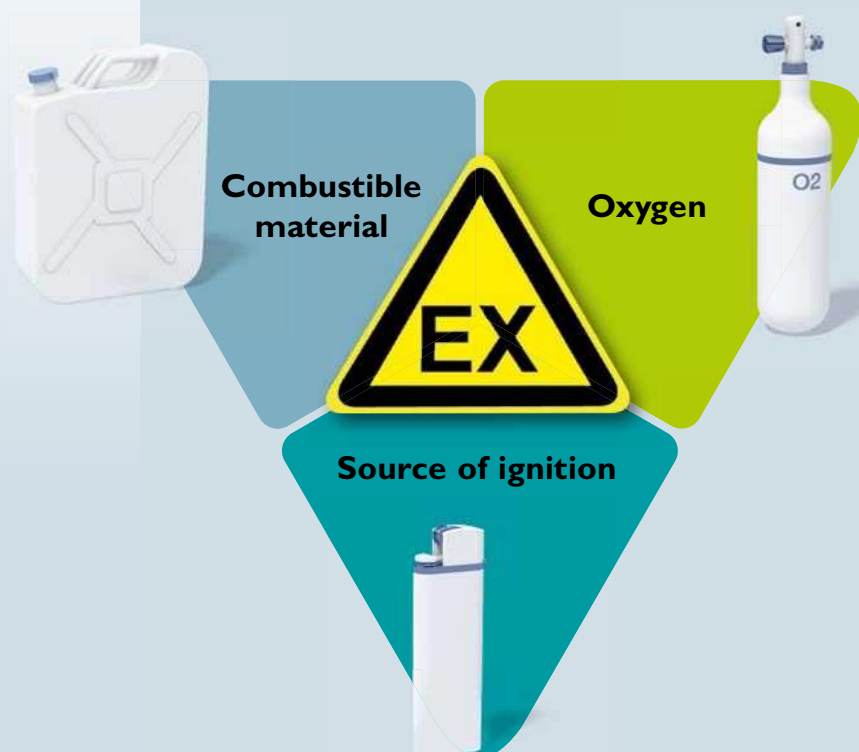
The range of PCB terminal blocks and connectors with Ex approval is specially designed for use in potentially explosive areas. This allows the product range to meet the requirements for use in process technology.

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
- 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 of 5.0 mm to 7.62 mm, can also be expanded with pitch spacers
- Connectors with screw and self-locking flanges and lock-and-release locking
- Number of positions: 2 - 12 (can be expanded for PCB terminal blocks)
- Horizontal, vertical or angled conductor outlets
- EU examination certificate and IECEx certificate in accordance with EN/IEC 60079-0 and EN/IEC 60079-7
- Ex designation in accordance with ATEX and IECEx
- Can be used in areas with danger of gas or dust explosions

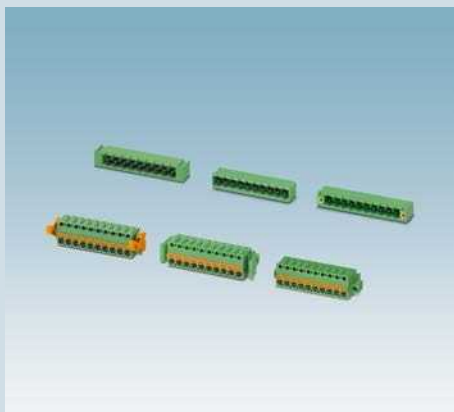


Advantages at a glance



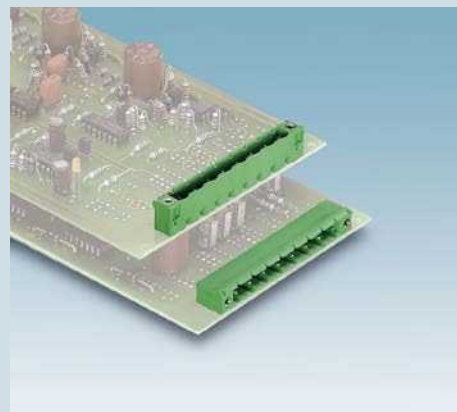
Pluggable PCB connections

Additional contact mechanics ensure secure connectors



Innovative interlocking devices

Screw flange, self-locking flange and lock-and-release locking



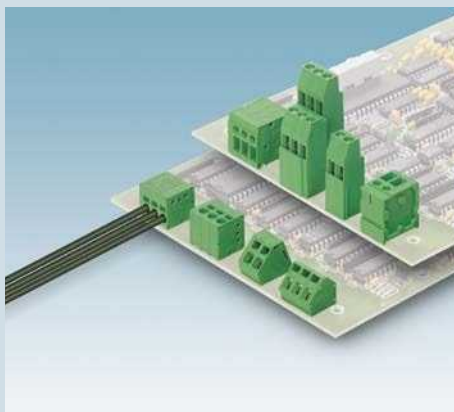
Connectors for any mounting position

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 mm²

PCB terminal block nominal cross section up to 0.5 mm²

 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°

PCB terminal block nominal cross section up to 0.5 mm²

 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 5 UL (B)	160 IEC 150 UL (B)	0°
	FFKDS(A)/V		2–12	2.54	6 IEC 5 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 block nominal cross section up to 1.5 mm²

 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 block nominal cross section up to 1.5 mm²

 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 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°

PCB terminal block nominal cross section up to 1.5 mm²

 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 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)	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°
	GMKDSEN 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°
	GSMKDSEN 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 according to 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 block nominal cross section up to 1.5 mm²

 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	8 IEC	160 IEC	45°
New 	SPTAF 1/...-EL	Raised release button	2–16	3.5	8 IEC	160 IEC	45°
New 	SPTAF 1/...-LL	Release button with locking function	2–16	3.5	8 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	8 IEC	320 IEC	45°
New 	SPTAF 1/...-EL	Raised release button	2–16	5.0	8 IEC	320 IEC	45°

PCB terminal block nominal cross section up to 1.5 mm²

 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	8 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°
	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 block nominal cross section up to 2.5 mm²

 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°

PCB terminal block nominal cross section up to 2.5 mm²

i 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°

i 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 block nominal cross section up to 2.5 mm²

 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°
	FKDSO 2,5/...-L1 FKDSO 2,5/...-R1	Orthogonal, left and right version	1–4	5.0	20 IEC	320 IEC	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 block nominal cross section up to 4 mm²

 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 block nominal cross section up to 6 mm²

 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 block nominal cross section up to 6 mm²

 Web code: #0720	Front screw connection						
	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°
 Web code: #0721	Push-in spring connection						
	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°
 Web code: #0722	Spring-cage connection						
	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°
 Web code: #0723	Push-lock spring connection						
	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°
 Web code: #0724	Special spring connection design						
	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 Bagger spring connection	1		41 IEC	-	-90°

PCB terminal block nominal cross section up to 16 mm²

 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 solder 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 solder 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 block nominal cross section up to 35 mm²

 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 block nominal cross section up to 50 mm²

 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	150 IEC 160 UL (B, C)	1000 IEC 600 UL (B, C)	0°

PCB terminal block nominal cross section up to 95 mm²

 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°

Connectors

0.5 mm² to 35 mm²

Connector nominal cross section up to 0.5 mm²

i Web code: #0734	Plug: 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		2–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	0°
	DFMC 0,5/...-ST	Double-row	2–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	0°

i 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	2–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	0°
	MCV 0,5/...-G-THR	Lateral THR armature	2–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	90°
	DMC 0,5/...-G1-THR	Double-row, 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, lateral THR armature integrated THR armature	2–3 4–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	90°

i 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	2–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	0°
	MCV 0,5/...-G-SMD	Lateral THR armature	2–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	90°
	DMC 0,5/...-G1-SMD	Double-row, 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, lateral THR armature integrated THR armature	2–3 4–16	2.54	6 IEC 6 UL (B)	160 IEC 150 UL (B)	90°

Connector nominal cross section up to 0.5 mm²

 Web code: #0737	Plug: 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 point	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	Plug: 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°
	PTSM 0,5/...-PL	White, with latching mechanism, 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
	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

Connector nominal cross section up to 0.5 mm²

i 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°

i 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°

i 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°

i 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/...-VVB	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 connector for 8 and 10 mm wide, flexible PCBs	2–4		10 IEC 5 UL 1977	24 IEC 60 UL 1977	0°
	PTF 0,3/...-FLEX	Connection PCBs	2–4		10 IEC	24 IEC	

i Web code: #0746	Plug: 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°

Connector nominal cross section up to 0.5 mm²

 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°

Connector nominal cross section up to 1.5 mm²

 Web code: #0749	Plug: 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	Plug: 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	Plug: 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

Connector nominal cross section up to 1.5 mm²

 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: #0753	Plug: 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	Plug: 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	Plug: 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 self-locking 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°
	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°

Connector nominal cross section up to 1.5 mm²

 Web code: #0756	Plug: 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 self-locking flange With snap-in lug	2–12	3.5	8 IEC 8 UL (B)	160 IEC 150 UL (B)	0°
 Web code: #0758	Plug: 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	Plug: 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
	MC 1,5/...-G-THR MC 1,5/...-GF-THR	Without flange With threaded flange	2–12 2–20	3.5 3.81	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	0°
	MCV 1,5/...-G-THR MCV 1,5/...-GF-THR	Without flange With threaded flange	2–12 2–20	3.5 3.81	8 IEC 8 UL (B, D)	160 IEC 300 UL (B, D)	90°
	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°
	MCDN 1,5/...-G1-THR MCDN 1,5/...-G1-RN-THR	Without flange With snap-in lug	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 lug	2–20	3.5/3.81 3.5	8 IEC 8 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

Connector nominal cross section up to 1.5 mm²

 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 lug	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 With snap-in lug	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 lug 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 lug 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°

Connector nominal cross section up to 1.5 mm²

 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	Plug: 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°

 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 connector, male						
	Product range	Notes	Number of positions	Pitch	Current ¹ (A)	Voltage ^{1 2} (V)	Connection direction
	PSC 1,5/...-M		3, 5	3.5	8 IEC 8 UL (B, D)	320 IEC 300 UL (B, D)	0°
	DFK-MC 1,5/...-GF		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		3, 5	3.5	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

Connector nominal cross section up to 1.5 mm²

i Web code: #0771	PCB plugs: direct plug-in technology for PCBs						
	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°

Connector nominal cross section up to 2.5 mm²

i Web code: #0772	Plug: 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 mm ²	2–12	5.0	13.5 IEC 10 UL (B, D)	320 IEC 300 UL (B, D)	0° / 90° / 180°

i Web code: #0773	Plug: 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°

i Web code: #0774	Plug: 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°
	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°

Connector nominal cross section up to 2.5 mm²

 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: #0776	Plug: 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 self-locking 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 point	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 With and without 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 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)	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

Connector nominal cross section up to 2.5 mm²

 Web code: #0776	Plug: screw connection with tension sleeve, female						
	Product range	Notes	Number of positions	Pitch	Current¹ (A)	Voltage¹ 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	Current¹ (A)	Voltage¹ 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°

Connector nominal cross section up to 2.5 mm²

i Web code: #0778	Plug: front screw connection, female						
	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°
i Web code: #0779	Plug: push-in spring connection, female						
	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 self-locking 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 self-locking flange With lock-and-release locking	2–16	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 self-locking flange	2–20 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 With self-locking flange	2–20 2–18 2–16	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	2–24	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 lock-and-release locking	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°
New 	FKCOR/W	R and W versions With screw flange With lock-and-release locking	2–24	5.08	12 IEC	320 IEC	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

Connector nominal cross section up to 2.5 mm²

Web code: #0779	Plug: push-in spring connection, female						
	Product range	Notes	Number of positions	Pitch	Current¹ (A)	Voltage¹ 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	Current¹ (A)	Voltage¹ ² (V)	Connection direction
	FKIC 2,5/...-ST	Without flange With screw flange With snap-in lug	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 lug 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		2–12	7.62	12 IEC 10 UL (B) 10 UL (D)	630 IEC 300 UL (B) 300 UL (D)	0°
Web code: #0781	Plug: IDC displacement connection, female						
	Product range	Notes	Number of positions	Pitch	Current¹ (A)	Voltage¹ ² (V)	Connection direction
	QC 1/...-ST QC 1/...-STF	Without flange With screw flange	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 cable	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	Plug: crimp connection, female						
	Product range	Notes	Number of positions	Pitch	Current¹ (A)	Voltage¹ 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 assistance option With and without screw flange With self-locking 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	Current¹ (A)	Voltage¹ 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°

Connector nominal cross section up to 2.5 mm²

 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: #0786	Plug: push-in spring connection, SKEDD direct plug-in 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: #0787	DIN rail plug: screw connection, female						
	Product range	Notes	Number of positions	Pitch	Current ¹ (A)	Voltage ^{1 2} (V)	Connection direction
	UMSTBVK 2,5/...-ST	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 plug: 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
	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 lug With lock-and-release locking	2–24 2–24 2–12 2–12	5.08	12 IEC 10 UL (B) 10 UL (D)	320 IEC 300 UL (B) 300 UL (D)	0°
	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 lug With lock-and-release locking	2–24 2–24 2–12 2–12	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°

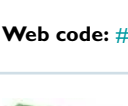
1) For more information on UL Use Groups A – F, see page 17

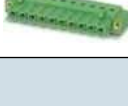
2) IEC rated insulation voltage at overvoltage category III/pollution degree 2

Connector nominal cross section up to 2.5 mm²

 Web code: #0790	Headers: wave soldering, male						
	Product range	Notes	Number of positions	Pitch	Current¹ (A)	Voltage¹ 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 lug 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 lug 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 lug 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 lug	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°

Connector nominal cross section up to 2.5 mm²

 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		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		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

Connector nominal cross section up to 2.5 mm²

i 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°

i 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°

i Web code: #0793	Feed-through connector, 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°

HC series connector nominal cross section up to 2.5 mm²

i Web code: #0794	Plug: 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°

HC series connector nominal cross section up to 2.5 mm²

 Web code: #0794	Plug: 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 rippled the wavy 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	Plug: 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

HC series connector nominal cross section up to 2.5 mm²

 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°

Connector nominal cross section up to 4 mm²

 Web code: #0800	Plug: 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	Plug: 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°

Connector nominal cross section up to 4 mm²

 Web code: #0803	Feed-through connector: 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 connector, spade 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 plug: 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°

Connector nominal cross section up to 6 mm²

 Web code: #0806	Plug: 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	Plug: 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

Connector nominal cross section up to 6 mm²

Web code: #0808	Plug: 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 New	Headers: wave soldering, male						
	Product range	Notes	Number of positions	Pitch	Current ¹ (A)	Voltage ^{1 2} (V)	Connection direction
	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 connector: screw connection, male						
	Product range	Notes	No. of positions	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°

Connector nominal cross section up to 6 mm²

i Web code: #0813	Feed-through headers: wave soldering, male						
	Product range	Notes	No. of positions	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°

Connector nominal cross section up to 16 mm²

i Web code: #0814	Plug: 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°

i 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

Connector nominal cross section up to 16 mm²

Web code: #0816	Plug: push-in spring connection, female						
	Product range	Notes	No. of positions	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°
Web code: #0817	Inverted plugs: push-in spring connection, male						
	Product range	Notes	No. of positions	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°
Web code: #0818	Headers: wave soldering, male						
	Product range	Notes	No. of positions	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°
Web code: #0819	Inverted headers: wave soldering, female						
	Product range	Notes	No. of positions	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°
Web code: #0820	Feed-through connector: screw connection, male						
	Product range	Notes	No. of positions	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°

Connector nominal cross section up to 16 mm²

i Web code: #0821	Feed-through connector: screw connection, female						
	Product range	Notes	No. of positions	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°

i Web code: #0822	Feed-through headers: wave soldering, male						
	Product range	Notes	No. of positions	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°

i Web code: #0823	Inverted feed-through headers: wave soldering, female						
	Product range	Notes	No. of positions	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°

i Web code: #0824	Direct plug: 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°

Connector nominal cross section up to 35 mm²

i Web code: #0825	Plug: 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

Connector nominal cross section up to 35 mm²

 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°

High-current feed-through terminal blocks 4 mm² to 150 mm²

High-current feed-through terminal block nominal cross section up to 4 mm²

 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	Spade 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 spade 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 block nominal cross section up to 10 mm²

 Web code: #0831	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 block nominal cross section up to 16 mm²

 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
	PLV 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 block nominal cross section up to 35 mm²

 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 block nominal cross section up to 50 mm²

 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)	Voltage ^{1 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 block nominal cross section up to 95 mm²

 Web code: #0842	Screw connection						
	Product name	Connection, interior	Notes	Current ¹ (A)	Voltage ^{1 2} (V)	Number of positions	Connection direction
	HDFK 95 HDFK 95-F HDFK 95-F-VP	Screw 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)	Voltage ^{1 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 block nominal cross section up to 150 mm²

 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



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