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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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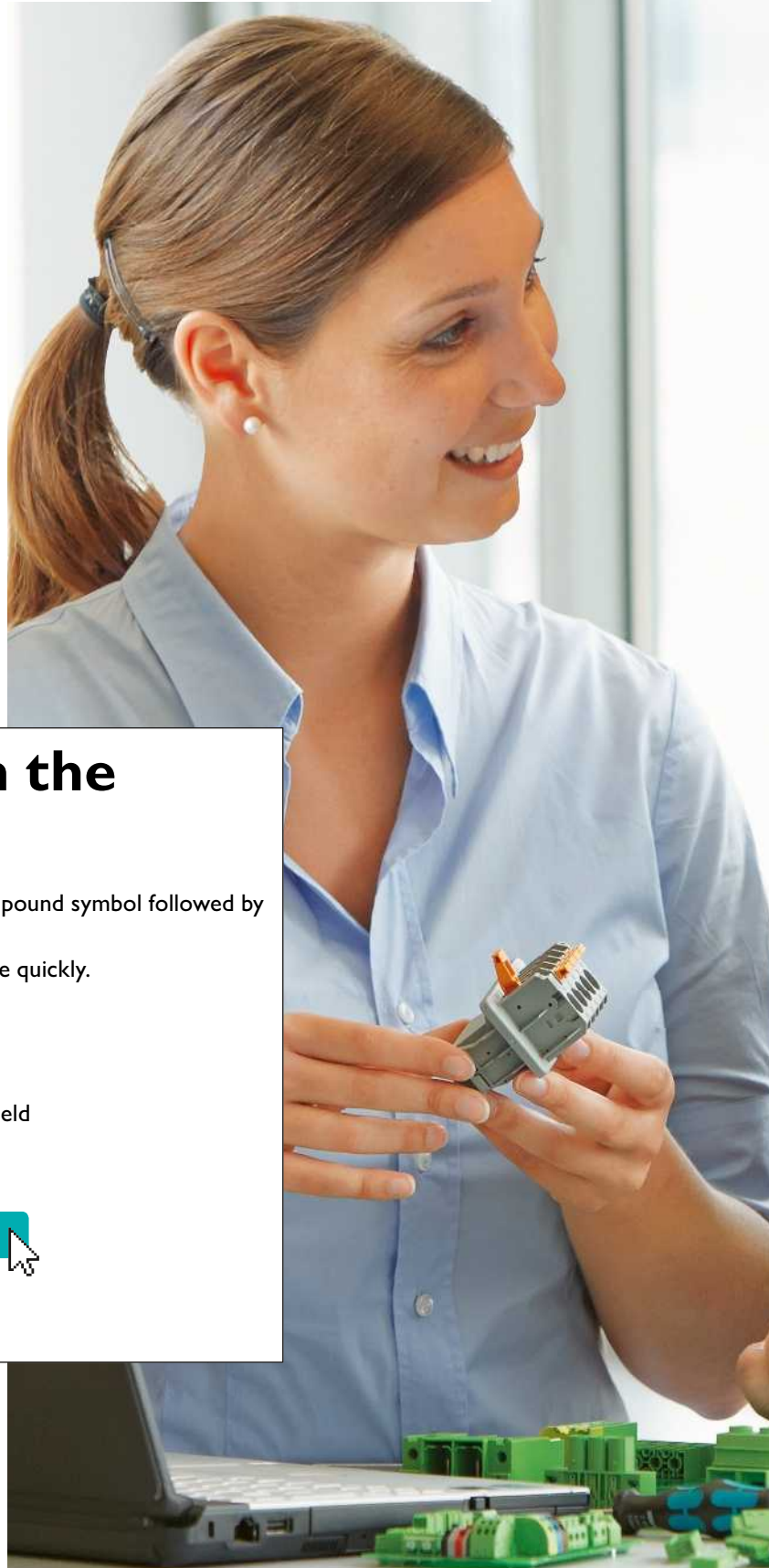


# New products 2014/2015

## Connectors and electronics housings

# New products for 2014/2015 – connectors and housing systems for your devices

As a leading manufacturer of connectors and housing systems, we are always working to transform the growing requirements placed on your applications and markets into new innovations. Discover our wide range of new products for 2014/2015 for the transmission of signals, data and power and take advantage of our professional service.



## Find out more with the web code

You can find our web code in each product table: a pound symbol followed by a four-digit number combination (example: #1234).

This allows you to reach information on our website quickly.

### It couldn't be simpler:

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

Or use the direct link:

[phoenixcontact.net/webcode/#1234](http://phoenixcontact.net/webcode/#1234)



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# Compact connectors for flexible LED PCBs

The new PTF series of direct connectors can be used to connect your flexible LED printed-circuit boards quickly and conveniently. Their small design allows you to connect printed-circuit boards in narrow linear profiles as well.






## Your advantages

- ✓ Easy connection of the printed-circuit board saves time
- ✓ The small size lets you make the connection even in applications where space is limited
- ✓ The tight fit and high current carrying capacity create a safe connection
- ✓ Two and four-position variants for various LED applications

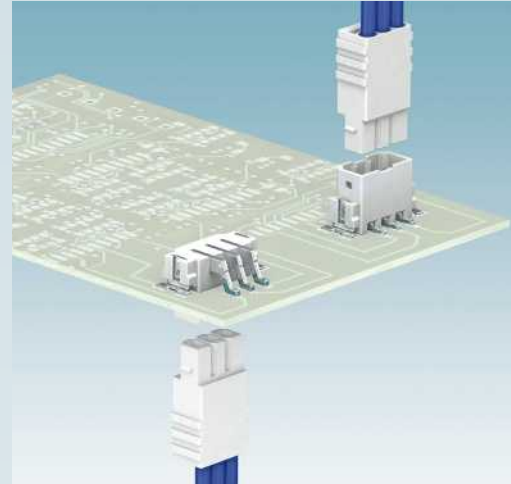
### Main features

- Currents: up to 10 A per connector
- Voltages: up to 24 V
- For 8 and 10 mm-wide LED strips
- According to IEC 60838-2-2

New product for 2015						
 Web code: #0166						
						
Description	Supply element				Butt connector	
Designation	PTF 0,3/ 2-WB-8-H	PTF 0,3/ 4-WB-8-H	PTF 0,3/ 2-WB-10-H	PTF 0,3/ 4-WB-10-H	PTF 0,3/ 4-BB-8-H	PTF 0,3/ 4-BB-10-H
Number of positions	2	4	2	4	4	4
Printed-circuit board width	8 mm	8 mm	10 mm	10 mm	8 mm	10 mm
Order No.	1707558	1707561	1707562	1707565	1707559	1707563

# White PCB terminal blocks for LED applications

Benefit from the advantages of the only 5 mm high PTSM series connector optimized for LED applications. It lets you to get more components and functions onto the confined space available on a printed-circuit board and save time connecting the board with the push-in connection.



## Your advantages

- ✓ Complete product range for wire-to-board and board-to-board connections
- ✓ Horizontal and vertical versions are available
- ✓ For the SMT process, products are delivered in tape-on-reel packaging
- ✓ High performance with a compact design
- ✓ Fast push-in connection

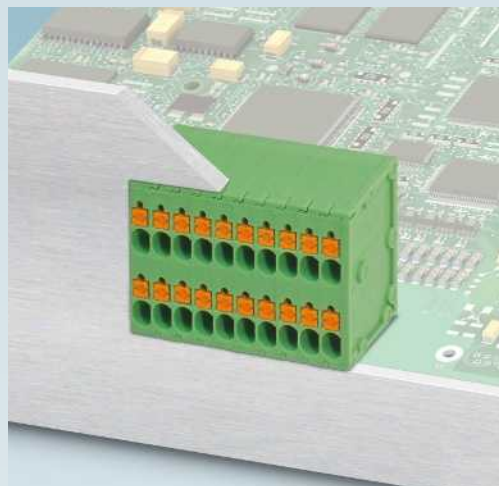
### Main features

- Currents: up to 6 A
- Voltages: up to 320 V
- Conductor cross sections: up to 0.5 mm<sup>2</sup>
- Design height: 5 mm
- Pitch: 2.5 mm
- 1 to 8-pos.

<p>New product for 2014</p> <p><b>i</b> Web code: #0167</p>				
<b>Description</b>	<b>1 to 8-pos. PCB terminal block</b>	<b>Through-board header</b>	<b>Vertical header</b>	<b>Connector for header</b>
<b>Designation</b>	PTSM 0,5/ 1-2,5-H SMD L R24	PTSM 0,5/...-HTB-2,5-SMD WH R32	PTSM 0,5/...-HV-2,5-SMD WH R32	PTSM 0,5/...-P-2,5 WH
<b>Soldering method</b>	SMD	SMD	SMD	-
<b>Order No., 1-pos.</b>	1840035	-	-	-
<b>Order No., 2-pos.</b>	1814634	1830126	1778696	1704853
<b>Order No., 8-pos.</b>	1814692	1830184	1839321	1704861

## Double-row PCB terminal block with push-in connection

Use the new SPTD 1,5 conductor with a cross section up to 1.5 mm<sup>2</sup> with ferrule to connect to two levels with ease. Release them easily using the integrated N/C contact. The arrangement of the solder pins ensures high stability while simultaneously taking up a small amount of space on the printed-circuit board.







### Your advantages

- ✓ Fast push-in connection with integrated spring lever
- ✓ Unique integration in front panels in two rows
- ✓ Conductor cross sections up to 1.5 mm<sup>2</sup> with ferrule
- ✓ Test connection and printing area at the front
- ✓ Suitable for railway applications and household appliances

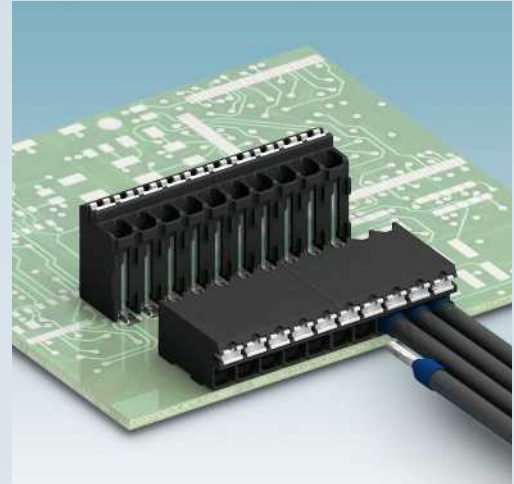
### Main features

- Currents: up to 10 A
- Voltages: up to 200 V
- Pitch: 3.5 mm
- 2 to 12 pos., larger numbers of positions available on request
- Horizontal design

New product for 2014			
 Web code: #0168			
<b>Description</b>	<b>Double-row PCB terminal block</b>	<b>Double-row PCB terminal block</b>	<b>Double-row PCB terminal block</b>
<b>Designation</b>	SPTD 1,5/2-H-3,5	SPTD 1,5/5-H-3,5	SPTD 1,5/10-H-3,5
<b>Number of positions</b>	2	5	10
<b>Order No.</b>	1841490	1841526	1841571

# Robust SMD PCB terminal blocks with push-in connection

With the new SPT-SMD PCB terminal block, Phoenix Contact is extending its product range to include SMD components for surface mounting technology. The push-in connection with integrated spring lever offers an easy way to connect and release conductors up to 1.5 mm<sup>2</sup> without using special tools.








## Your advantages

- ✓ Fast push-in connection with integrated spring lever for solid or stranded conductors up to 1.5 mm<sup>2</sup>
- ✓ Solid contact system with separate, current-carrying spring lug
- ✓ Easy handling thanks to LCP insulating material and MSL level 1
- ✓ Horizontal versions with anchor pin

### Main features

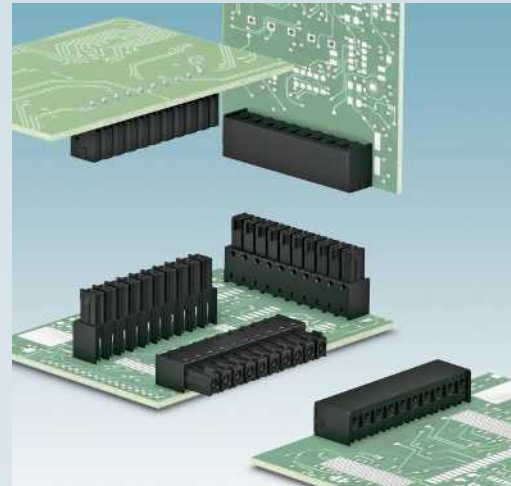
- Currents: up to 13.5 A
- Voltages: up to 320 V
- 2 to 12-pos.
- Horizontal or vertical connection direction
- Pitch: 3.50/3.81/5.00/5.08 mm
- Delivery in tape-on-reel packing

New product for 2014				
 Web code: #0169				
				
Description	Horizontal PCB terminal block	Vertical PCB terminal block	Horizontal PCB terminal block	Vertical PCB terminal block
<b>Designation</b>	SPT-SMD 1,5/ 10-H-3,5 R56	SPT-SMD 1,5/ 10-V-3,5 R56	SPT-SMD 1,5/ 10-H-5,0 R88	SPT-SMD 1,5/ 10-V-5,0 R88
<b>Pitch</b>	3.5 mm	3.5 mm	5.0 mm	5.0 mm
<b>Connection direction</b>	Horizontal	Vertical	Horizontal	Vertical
<b>Tape width</b>	56 mm	56 mm	88 mm	88 mm
<b>Order No., 10-pos.</b>	1824608	1824161	1824828	1824381



# Inverted THR PCB header for the SMT soldering process

The headers in the IMC 1,5 series were developed for board-to-board connections. The horizontal and vertical versions mean that both horizontal and vertical PCB outlets can be implemented. In addition, the headers are suitable for the SMT soldering process.








## Your advantages

- ✓ The versions with snap-in lug fit the inverted IFMC connectors with self-locking flange
- ✓ Plug-in direction parallel or vertical to the PCB
- ✓ In combination with MC (V) 1,5 headers for the board-to-board connection
- ✓ THR part for use in SMT reflow or wave soldering processes
- ✓ Touch-proof voltage output

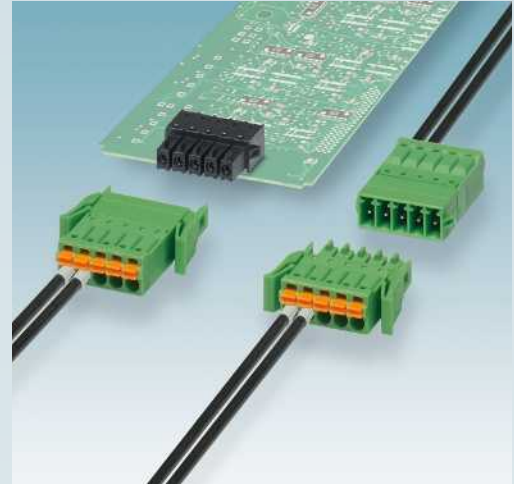
### Main features

- Currents: up to 8 A
- Voltages: up to 160 V
- Pitch: 3.5 mm
- 2 to 12-pos.
- 2 mm pin length

New product for 2014				
 Web code: #0170				
				
Description	Header	Header with snap-in lug	Header	Header with snap-in lug
Designation	IMC 1,5/10-G-3,5 P20 THR	IMC 1,5/10-G-3,5 RN P20 THR	IMCV 1,5/10-G-3,5 P20 THR	IMCV 1,5/10-G-3,5 RN P20 THR
Plug-in direction	Parallel to the PCB	Parallel to the PCB	Vertical to the PCB	Vertical to the PCB
Number of positions	10	10	10	10
Order No.	1830498	1830647	1830799	1830948

# Inverted PCB connector with lateral self-locking flange

Both wire-to-wire and wire-to-board connections can be implemented with the inverted PCB connectors in the IFMC 1,5 series. The lateral self-locking flanges ensure secure latching and prevent unintentional release.







## Your advantages

- ✓ Secure latching, thanks to lateral self-locking flanges
- ✓ Fast push-in connection with integrated spring lever
- ✓ For stranded and solid conductors up to 1.5 mm<sup>2</sup>
- ✓ Wire-to-wire or wire-to-board free-hanging connection in combination with the base strips in the IMC (V) 1,5 series
- ✓ Extremely compact design height of just 7.8 mm

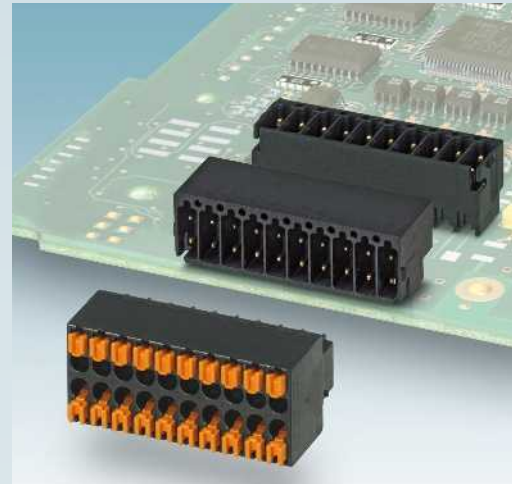
### Main features

- Currents: up to 8 A
- Voltages: up to 160 V
- Pitch: 3.5 mm
- 2 to 12-pos.

New product for 2014			
 Web code: #0171			
			
<b>Description</b>	<b>Connector without latching</b>	<b>Connector with self-locking flange</b>	<b>Connector with snap-in lug</b>
<b>Designation</b>	IFMC 1,5/10-ST-3,5	IFMC 1,5/10-ST-3,5-RF	IFMC 1,5/10-ST-3,5-RN
<b>Type of latching</b>	-	Self-locking flange	Snap-in lug
<b>Number of positions</b>	10	10	10
<b>Order No.</b>	1844073	1844293	1844183

# Double-row PCB connector with push-in connection

The flat push-in connector in the DFMC 0,5 series enables the double-level connection of conductors with a design height of just 10.5 mm. The gold-plated contact system offers maximum transmission reliability even for the lowest currents and voltages.


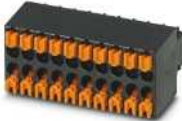
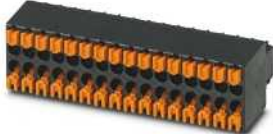


## Your advantages

- ✓ Fast push-in connection with integrated spring lever
- ✓ Gold-plated contact system for the lowest currents and voltages with high transmission reliability
- ✓ 40% higher packing density than 3.5 mm pitch
- ✓ Touch connection for voltage testing using a 0.64 mm test pin
- ✓ Versions with coding available on request

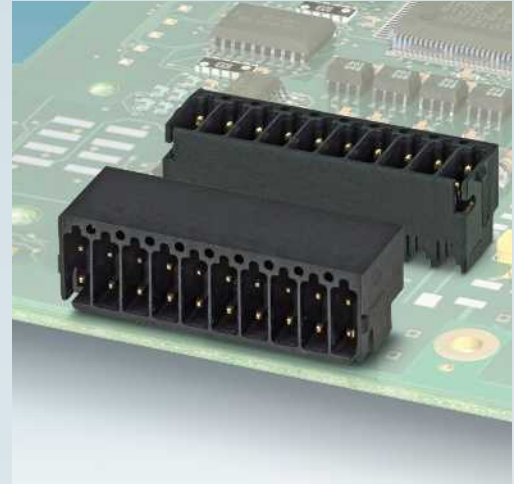
### Main features

- Currents: up to 6 A
- Voltages: up to 160 V
- Conductor cross sections: up to 0.5 mm<sup>2</sup>
- Design height: only 10.5 mm
- Pitch: 2.54 mm
- 2 to 16-pos.

<p>New product for 2014</p> <p><b>i</b> Web code: #0172</p>			
<b>Description</b>	<b>Connectors</b>	<b>Connectors</b>	<b>Connectors</b>
<b>Designation</b>	DFMC 0,5/ 2-ST-2,54	DFMC 0,5/10-ST-2,54	DFMC 0,5/16-ST-2,54
<b>Number of positions</b>	2	10	16
<b>Order No.</b>	1844578	1844659	1844714

# Compact THR and SMD headers for SMT soldering processes

The DMC(V) 0,5 headers are extremely small and provide variants for both THR and SMT soldering processes. In addition, the gold-plated contact system also ensures maximum transmission reliability for the smallest currents and voltages.








## Your advantages

- ✓ Gold-plated contact system for the lowest currents and voltages with high transmission reliability
- ✓ Anchor metals ensure that the SMD components are held securely on the PCB
- ✓ Vertical and horizontal variants for THR and SMT processes
- ✓ Tape-on-reel packing for automated processes
- ✓ Versions with coding available on request

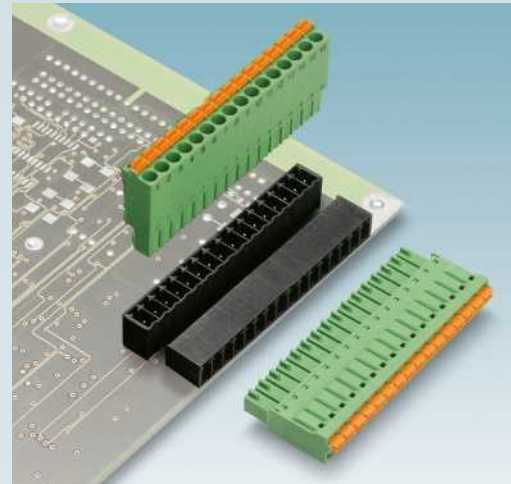
### Main features

- Currents: up to 6 A
- Voltages: up to 160 V
- Design height: only 7.4 mm
- Pitch: 2.54 mm
- 2 to 16-pos.
- Pin length: 2 mm at THR

New product for 2014   Web code: #0173				
<b>Description</b>	<b>Header</b>	<b>Header</b>	<b>Header</b>	<b>Header</b>
<b>Designation</b>	DMC 0,5/10-G1-2,54 SMD R56	DMCV 0,5/10-G1-2,54 SMD R56	DMC 0,5/10-G1-2,54 P20THR R56	DMCV 0,5/10-G1-2,54 P20THR R56
<b>Plug-in direction</b>	Parallel to the PCB	Vertical to the PCB	Parallel to the PCB	Vertical to the PCB
<b>Soldering process</b>	SMT	SMT	THR	THR
<b>Number of positions</b>	10	10	10	10
<b>Order No.</b>	1845108	1845250	1844808	1844950

# High-position THR headers for SMT soldering processes

The new high-position THR headers with 3.81 pitch add high-position versions from 13 to 20 positions to the existing range. Housing versions with straight and angled pins, with and without flange, are available.







## Your advantages

- ✓ High-position THR pin strip for use in SMT reflow processes
- ✓ Standard pin length of 2.0 mm also suitable for wave soldering processes
- ✓ Optional tape-on-reel packing for automated assembly
- ✓ Highly precise position tolerance of the pins in accordance with IEC 61760-3

### Main features

- Currents: up to 8 A
- Voltages: up to 160 V
- 13 to 20-pos.
- LCP insulation material
- Pitch: 3.81 mm

New product for 2014				
 Web code: #0174				
				
Description	Horizontal header	Horizontal header with flange	Vertical header	Vertical header with flange
Designation	MC 1,5/...-G-3,81 P20THR...	MC 1,5/...-GF-3,81 P20THR...	MCV 1,5/...-G-3,81 P20THR...	MCV 1,5/...-GF-3,81 P20THR...
Soldering method	THR and wave soldering	THR and wave soldering	THR and wave soldering	THR and wave soldering
Packaging	Bulk	Bulk	Bulk	Bulk
Order No., 16-pos.	1829085	1829166	1828921	1829001

# Single-position THR PCB terminal block for contacting flat-ribbon conductors

The PT-SG/1 is a single-position and THR-solderable PCB terminal block without insulating bodies. It ensures space-saving, quick and cost-efficient contacting of flat-ribbon conductors using the spring-based connection principle.





## Your advantages

- ✓ THR article suitable for reflow soldering
- ✓ Suitable for fully automatic PCB assembly
- ✓ Reliable conductor contacting thanks to programmed contact force
- ✓ Tool-free, quick conductor connection

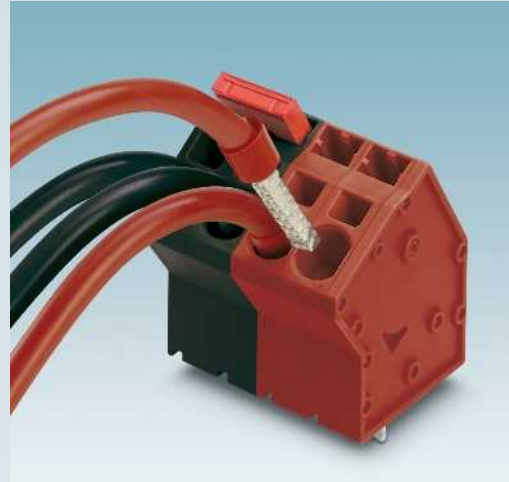
### Main features

- Currents: up to 41 A
- 1-pos. version
- Solder pin lengths: 2.1 or 2.9 mm
- Flat-ribbon conductor: up to 8 x 0.1 - 2 mm

<p>New product for 2014</p> <p> Web code: #0180</p>		
Description	1-pos. PCB terminal block	1-pos. PCB terminal block
Designation	PT-SG/ 1 8X0,1-2 THR2,1 R24	PT-SG/ 1 8X0,1-2 THR2,9 R24
Pin length	2.1 mm	2.9 mm
Order No.	1841830	1841843

# Angled PCB terminal block for power electronics up to 41 A

The new SPTA 5 PCB terminal block provides you with a cable connection funnel angled 30° for the convenient conductor connection. The insulated plug-in bridges enable quick distribution of potential.







## Your advantages

- ✓ Fast push-in connection
- ✓ Unlimited 600 V UL approval, thanks to compact zigzag pinning
- ✓ Angled connection direction for optimum conductor access
- ✓ Convenient potential distribution thanks to insulated jumpers

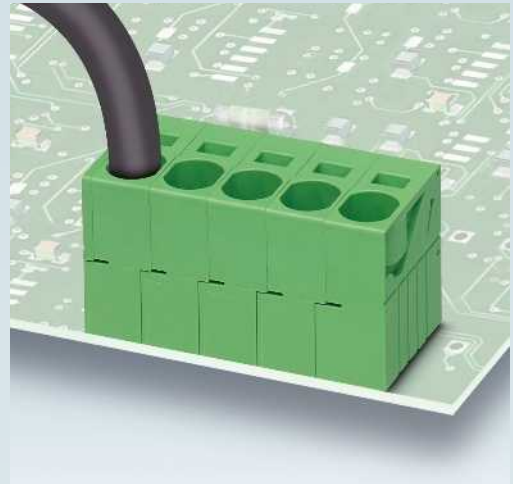
### Main features

- Currents: up to 41 A
- Voltages: up to 1000 V (600 V UL)
- Conductor cross sections: 0.2 to 6 mm<sup>2</sup>
- 1 to 12-pos.
- Pitch: 7.5 mm
- Bridgeable

New product for 2014			
 Web code: #0177			
			
<b>Description</b>	<b>PCB terminal block 1-pos.</b>	<b>PCB terminal block 5-pos.</b>	<b>Bridge</b>
<b>Designation</b>	SPTA 5/ 5-7,5	SPTA 5/ 5-7,5 ZB	FBSK 2-7,5
<b>Type</b>	Double pinning	Zigzag pinning	2-pos.
<b>Order No.</b>	1819079	1819118	1928343

# Compact PCB terminal block for power electronics up to 125 A

The SPT 35 PCB terminal block for currents up to 125 A offers maximum clamping space with minimum dimensions. Conductors with a cross section of up to 35 mm<sup>2</sup> can be connected by means of convenient and tool-free push-in connection technology.







## Your advantages

- ✓ Tool-free conductor connection, thanks to fast push-in connection
- ✓ Reliable conductor contacting, thanks to programmed contact force
- ✓ Ideal for internal device wiring, thanks to the vertical connection direction

### Main features

- Currents: up to 125 A
- Voltages: up to 1000 V (600 V UL)
- Pitch: 15 mm
- Conductor cross sections: up to 35 mm<sup>2</sup>
- 1 to 5-pos. (larger numbers of positions available on request)

New product for 2014			
 Web code: #0176			
			
<b>Description</b>	<b>PCB terminal block, 1-pos.</b>	<b>PCB terminal block, 3-pos.</b>	<b>PCB terminal block, 5-pos.</b>
<b>Designation</b>	SPT 35/ 1-V-15,00	SPT 35/ 3-V-15,00	SPT 35/ 5-V-15,00
<b>Order No.</b>	1845331	1845357	1845373



# High-current PCB terminal block for power electronics up to 150 A

You can use the MKDSP 50 PCB terminal block, which can be wave soldered, to transmit up to 150 A directly onto the PCB. During this process, you simply connect the conductor to a cross section of up to 50 mm<sup>2</sup> using a commercially available Torx screwdriver.






## Your advantages

- ✓ Less mounting effort thanks to wave soldering capabilities
- ✓ High degree of connection convenience thanks to tried-and-tested screw connection with tension sleeve
- ✓ Easy connection using a standard Torx screwdriver
- ✓ Flexible use for conductors with or without ferrule

### Main features

- Currents: up to 150 A
- Voltages: up to 1000 V (600 V UL)
- Pitch: 17.50 mm
- Conductor cross sections: 0.5 to 50 mm<sup>2</sup>
- 1 to 5-pos. (with flange)
- 2 to 5-pos. (without flange)
- Integrated test connection

<p>New product for 2015</p> <p><b>i</b> Web code: #0178</p>			
<b>Description</b>	<b>PCB terminal block 1-pos.</b>	<b>PCB terminal block 3-pos.</b>	<b>PCB terminal block 5-pos.</b>
<b>Designation</b>	MKDSP 50/ 1-17,5-FL	MKDSP 50/ 3-17,5(-F)	MKDSP 50/ 5-17,5(-F)
<b>Order No. without flange</b>	-	1856139	1856155
<b>Order No. with flange</b>	1856168	1856184	1856207

# High-current PCB terminal block for power electronics up to 232 A

You can use the MKDSP 95 PCB terminal block, which can be wave soldered, to transmit up to 232 A directly onto the PCB. During this process, you simply connect the conductor to a cross section of up to 95 mm<sup>2</sup> using a commercially available Torx screwdriver.






## Your advantages

- ✓ Less mounting effort thanks to wave soldering capabilities
- ✓ High degree of connection convenience thanks to tried-and-tested screw connection with tension sleeve
- ✓ Easy connection using a standard Torx screwdriver
- ✓ Flexible use for conductors with or without ferrule

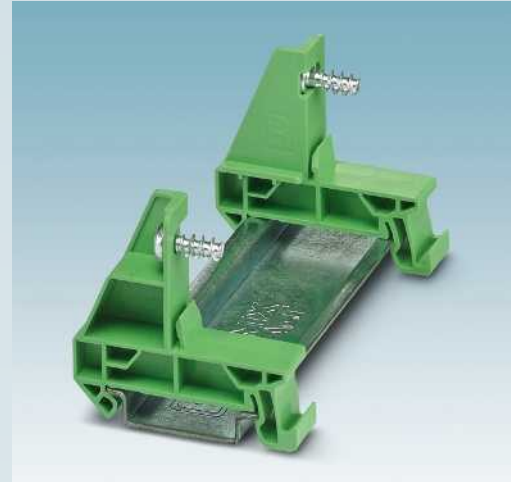
### Main features

- Currents: up to 232 A
- Voltages: up to 1000 V (600 V UL)
- Pitch: 20 mm
- Conductor cross sections: 16 to 95 mm<sup>2</sup>
- 1 to 5-pos. (with flange)
- Integrated test connection

<p>New product for 2014</p> <p><b>i</b> Web code: #0179</p>			
<b>Description</b>	<b>PCB terminal block 1-pos.</b>	<b>PCB terminal block 3-pos.</b>	<b>PCB terminal block 5-pos.</b>
<b>Designation</b>	MKDSP 95 / 1 - 20,00 - FL	MKDSP 95 / 3 - 20,00 - F	MKDSP 95 / 5 - 20,00 - F
<b>Order No.</b>	1841856	1841872	1841898

# DIN rail bracket for IPC 16 and IPC 35 power connectors

Use the new DR 35 series DIN rail brackets to securely fix IPC 16 and IPC 35 inverted high-power connectors in the control cabinet. This allows you to establish a convenient, plug-in wire-to-wire connection on the DIN rail.



## Your advantages

- ✓ Bracket for inverted high-power connectors for DIN rail mounting in the control cabinet
- ✓ Quick installation and flexible adaptation of the electrical installation thanks to the plug-in solution
- ✓ A connector for control cabinet and device

### Main features

- For DIN rail mounting in the control cabinet
- Compatible with IPC 16 and IPC 35 series power connectors

New product for 2014

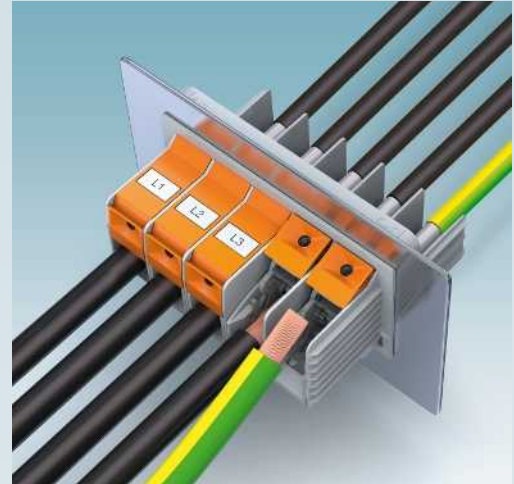
**i** Web code: #0181



Description	DIN rail bracket for IPC 16	DIN rail bracket for IPC 35
Designation	DR 35-PC 16	DR 35-PC 35
Order No.	1708410	1708409

# High-current feed-through terminal block with new T-LOX connection technology

The TW 50 series panel feed-through terminal blocks provide a reliable and convenient conductor connection with the new T-LOX connection technology. Here, the terminal block is fastened to the housing using a reversible wedge that can be operated without tools.







## Your advantages

- ✓ Reliable conductor contacting thanks to programmed contact force
- ✓ Fast and convenient conductor insertion from above
- ✓ User-friendly operating forces for the conductor connection
- ✓ Quick, tool-free fastening in the housing wall

### Main features

- Currents: up to 150 A
- Voltages: up to 1000 V (600 V UL)
- Conductor cross sections: 16 to 50 mm<sup>2</sup>
- 1 to 6-pos.
- Wall thicknesses: 1 to 5 mm

New product for 2015			
 Web code: #0175			
			
<b>Description</b>	<b>Panel feed-through terminal block</b>	<b>Panel feed-through terminal block</b>	<b>Panel feed-through terminal block</b>
<b>Designation</b>	TW 50/ 1-CL	TW 50/ 3-CL	TW 50/ 5-CL
<b>Number of positions</b>	1	3	5
<b>Order No.</b>	1708744	1708746	1708749

# Multimode zip cord patch cables for fast data transmission up to 10 Gbps

Thanks to extensive testing, the new zip cord patch cables achieve an optimum level of quality. Various connectors, fiber types, and customer-specific cable lengths allow custom solutions to be created for every application.








## Your advantages

- ✓ Excellent mechanical and optical transmission quality
- ✓ Various connectors, cable lengths and fiber categories according to customer requirements
- ✓ OM3 and OM4: bend-resistant fibers
- ✓ Individual test report for each item

### Main features

- Up to 10 Gbps
- UPC polishing process IL < 0.3 dB; RL > 35 dB
- Extensive test program (including change of climate, vibration, torsion)
- Consistent interferometer tests in each certification process
- Fire protection in accordance with UL OFNR and LSZH

New product for 2014   Web code: #0186				
<b>Description</b>	<b>Patch cable MM</b>	<b>Patch cable MM</b>	<b>Patch cable MM</b>	<b>Patch cable MM</b>
<b>Designation</b>	FOC-LC:A-LC:A-GZ03/...	FOC-SC:A-LC:A-GZ02/...	FOC-ST:A-SJ:A-GZ01/...	FOC-LC:A-LC:A-GZ01/2
<b>Head combination</b>	LC to LC	SC to LC	ST to SC-RJ	LC to LC
<b>Fiber category</b>	OM4	OM3	OM2	OM2
<b>Length</b>	Custom	Custom	Custom	2.0 m
<b>Order No.</b>	1405690	1405692	1405710	1400604

## Compact fiber-optic splice boxes for the DIN rail

The new splice boxes for direct DIN rail mounting are available for LC, SC-Duplex and ST. Thanks to the robust sheet steel housing, they are also excellent for use in industrial environments. The snap-in adapter for the DIN rail enables quick installation in a control cabinet.






### Your advantages

- ✓ Cable insertion possible by means of screw connection on top and bottom
- ✓ Compact dimensions despite large splice comb
- ✓ Snap-in adapter for easy DIN rail mounting

### Main features

- Robust metal housing
- M20 x 1.5 cable gland
- Ready for equipotential bonding
- Conductor cross sections: 0.2 to 6 mm<sup>2</sup>
- Suitable for industrial applications

<p>New product for 2014</p> <p><b>i</b> Web code: #0187</p>			
<b>Description</b>	<b>Splice box for 6 x LC duplex</b>	<b>Splice box for 6 x SC duplex</b>	<b>Splice box for 12 x ST</b>
<b>Designation</b>	FOC-PP-SB-LC:6	FOC-PP-SB-SC:6	FOC-PP-SB-ST:6
<b>Order No.</b>	1411901	1411902	1411903

# Fiber-optic tools for easy assembly in the field

The new tool sets ensure quick and easy assembly in the field. The GOF tool is suitable for assembling all LC and SC connectors for multimode and single mode. The PCF can be used to connect SC-RJ and SC duplex.



## Your advantages

- ✓ Quick and easy field assembly
- ✓ Suitable for all LC and SC connectors
- ✓ Easy assembly without bonding or time-consuming polishing

### Main features

- All tools in a single case
- Assembly using cleave technology
- Multimode and single-mode connectors for assembly
- Assembly video available

<p>New product for 2014</p> <p><b>i</b> Web code: #0184</p>		
<p><b>Description</b></p>	<p><b>Tool set for GOF assembly</b></p>	<p><b>Tool set for PCF assembly</b></p>
<p><b>Designation</b></p>	<p>FOC-TOOL-GOF KONF SET</p>	<p>FOC-TOOL-PCF KONF SET</p>
<p><b>Order No.</b></p>	<p>1411049</p>	<p>1411051</p>

## Fiber-optic connectors for easy assembly in the field

In conjunction with the new tool sets, new innovative connectors are also available. They feature high process reliability and are quick and easy to connect. Multimode and single-mode versions are available for quartz glass. These connectors can also be re-used.








### Your advantages

- ✓ Easy assembly without bonding or polishing
- ✓ GOF: optimum attenuation values thanks to pre-polished fiber end faces
- ✓ Cost savings: GOF connectors are re-usable
- ✓ QR code for downloading the assembly instructions

### Main features

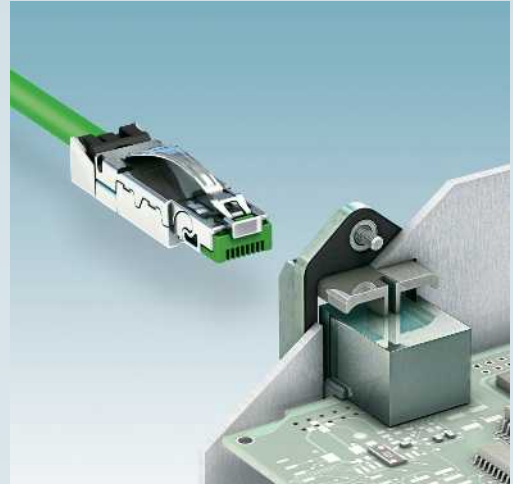
- GOF: LC, SC and SC-RJ available
- PCF: SC duplex and SC-RJ available
- GOF: available for fiber types 50/125  $\mu\text{m}$  and 9/125  $\mu\text{m}$  (PC/APC)
- Cleave technology
- GOF: index matching gel with extended temperature range

New product for 2014				
 Web code: #0185				
Description	LC duplex MM	LC simplex MM	LC duplex SM APC (8°)	SC-RJ PCF
Designation	FOC-C-LCDU-GOF-MM	FOC-C-LC:P-GOF-MM	FOC-C-LCDU-GOF-SM-APC	FOC-C-SCRJ-PCF
Cable diameter	< 3.0 mm	0.6 ... 0.9 mm	< 3.0 mm	-
Cable type	Patch cord	Pigtail	Patch cord	Patch cord
Order No.	1411052	1411294	1412472	1411304



# Robust RJ45 connectors for fast data transmission in industrial environments

RJ45 INDUSTRIAL is the new, robust data connector for the industrial IP20 environment. The new, one-piece design enables easy and safe handling in the field. The robust zinc die-cast housing offers a high degree of protection against mechanical and electrical sources of interference.






## Your advantages

- ✓ Optimized for industrial use with a high degree of resistance to vibration
- ✓ High resistance to ESD and EMC for reliable transmission
- ✓ Easy handling thanks to the one-piece design
- ✓ Easy use without special tools
- ✓ Data transmission rate of up to 10 Gbps

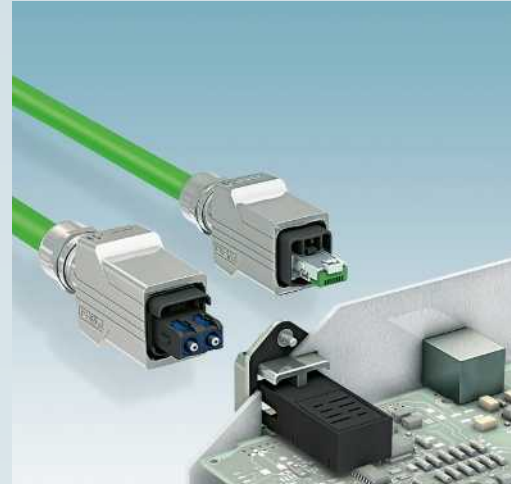
### Main features

- Up to 10 Gbps
- AWG 22-26 solid and flexible
- Cable diameter: up to 9.5 mm
- Additional pressure spring
- IDC fast connection
- Straight and angled version
- Degree of protection: IP20

<p>New product for 2014</p> <p><b>i</b> Web code: #0182</p>			
Description	RJ45 INDUSTRIAL Straight	RJ45 INDUSTRIAL Cable outlet at the top	RJ45 INDUSTRIAL Cable outlet at the bottom
Order No. AWG 23-22	1406334	1406337	1406340
Order No. AWG 26-24	1406333	1406336	1406339

# RJ45 and fiber-optic connectors for safe data transmission

Push-pull ADVANCE is the new connector for PROFINET and Ethernet cabling in the high IP65/IP67 protection class. Thanks to its 360° shielding and the optional mechanical locking mechanism, it offers maximum safety when used in the field.







## Your advantages

- ✓ High resistance to ESD and EMC for reliable transmission
- ✓ Locking system to prevent inadvertent removal
- ✓ Protected data transmission thanks to 360° shielding concept

### Main features

- Up to 10 Gbps
- AWG 22-26 solid and flexible
- Cable diameter: up to 10 mm
- For copper and FO applications (RJ45 and SCRJ)
- Fiber types: POF, GOF, PCF
- Straight and 45° angled version
- Degree of protection: IP65/67

New product for 2014					
 Web code: #0183					
					
Description	RJ45 push-pull ADVANCE connectors	RJ45 push-pull ADVANCE connectors	SC-RJ push-pull ADVANCE connectors	SC-RJ push-pull ADVANCE connectors	SC-RJ push-pull ADVANCE connectors
Version	4 to 8-pos. for AWG 23-22	4 to 8-pos. for AWG 26-24	POF	PCF	GOF MM
Order No. Straight cable outlet	1407889	1407890	1407896	1407897	1407898
Order No. Cable outlet at the top	1408027	1468007	1408028	1408029	1408030
Order No. Cable outlet at the bottom	1407895	1408011	1407902	1407904	1407905