

OMNIMATE Signal

PCB terminals

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PCB connectors in 3.50 mm pitch

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PCB connectors in 3.81 mm pitch

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PCB connectors in 5.00 mm and 5.08 mm pitch

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OMNIMATE Signal PCB terminals

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OMNIMATE Signal PCB terminals

Flexible and versatile in pitches of between 3.5 mm and 9.52 mm for the wave soldering process

A wide variety of application requirements from the industrial automation and control fields are solved using the components from the comprehensive OMNIMATE Signal PCB terminal range. You can find a suitable solution for almost any application, whether in terms of the conductor outlet direction, the pitch, the wire cross-section to be clamped, the required contact density through multi-level varieties or the sort of connection you want.

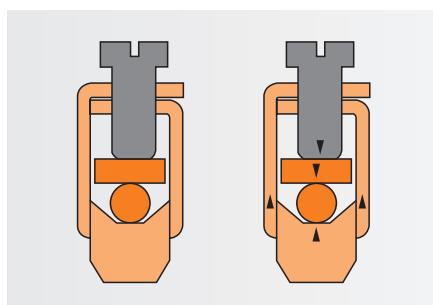
Standard-compliant integration

Following relevant international guidelines/standards and Weidmüller's laboratory accreditation ensure highest quality standards for use globally.



Screw connection system

The automatically counter-operating Weidmüller steel clamping yoke uses force generated by tightening the screw to open the upper thread. Settling of the connected wires and vibrations are compensated for and this guarantees a maintenance free operation. Subsequent tightening and maintenance of the screw is not needed.



Fire resistance

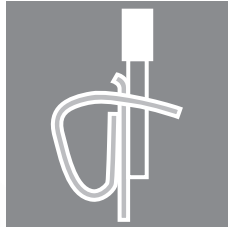
The high-quality plastics used in many of the product families in the OMNIMATE Signal product line meet the higher fire safety requirements according to the domestic appliance standard IEC 60335-1.



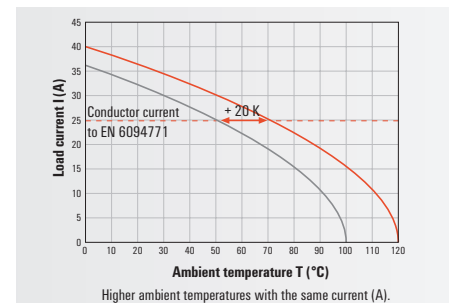
60335-1

Tension clamp connection system

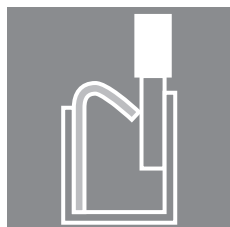
Simple and fast - the universal screw-less connector with a steel spring. Ideal for PCB installation terminals where it is important that the connections are secure. Single row, with or without an operating lever to open the terminal point with a wire cross-section of up to 2.5 mm². Higher connector density with double, or triple level variations with a pitch of 5.08 mm and clamping range of up to 2.5 mm².

**Power reserve for safety**

The high performance insulating material WEMID with a continuous operating temperature of 120 °C for higher load currents and ambient temperatures. OMNIMATE Signal PCB terminals already exceed the standard PA working temperature (100 °C) of many product families by 20 °K. This allows more power reserves and increased safety during temperature fluctuations or overloads.

**"PUSH IN" connection system**

The innovative quick connector – simple, safe and economical. Direct insertion of solid-core wires and stranded wires with ferrules when used with the LSF-SMT series.





OMNIMATE Signal PCB terminals

LSF-SMT spring connection in pitches of between 3.5 mm and 7.62 mm for the reflow soldering process (THR)

The innovative quick connector - simple, safe and economical.

Its compact dimensions and surprising performance of 17.5 A / 800 V (IEC) means that the LSF-SMT meets the market push for miniaturisation. The OMNIMATE Signal PCB terminals LSF-SMT offer a wide pitch range from 3.5 to 7.62 mm, in various conductor outlet directions (90°/135°/180°) to the PCB for connections of wire cross-sections of up to 1.5 mm². The use of high-quality materials guarantees maximum cost effectiveness in the manufacturing of electronic assemblies.

SMT/THR process compatible

The compact design and packaging (tape-on-reel) for automatic pick and place systems of SMT production lines reduces production costs of electronic components even further.

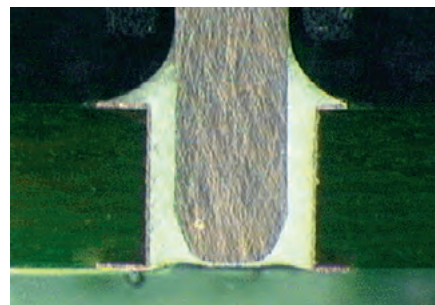
Form stability for the reflow soldering process

The high-temperature-resistant insulating material LCP used in the LSF-SMT range, is characterised by its form and dimensional stability. Due to low moisture absorption, the LSF-SMT can be immediately used in the Reflow THR soldering process without an extra drying phase. The uninterrupted production process from automated assembly to soldering is achieved saving you time and money.



Flexible processing

With a pin length of 3.5 mm for hand and wave soldering, or 1.5 mm for reflow soldering (THR), there are standard models available even for double sided assembled PCBs.

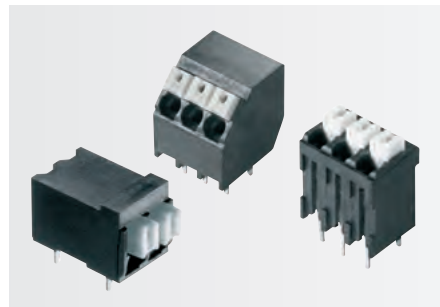


Fire resistance

The high-quality plastics used meet the higher fire safety requirements according to the domestic appliance standard IEC 60335-1.

**Design flexibility**

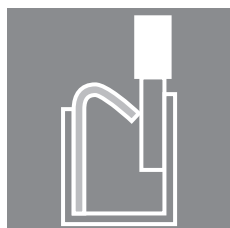
With the conductor outlet directions of 90°/135° and 180° over all pitches from 3.5 to 7.62 mm, all design options are possible.

**Marking and mapping**

Terminal points can be distinctively marked with coloured push buttons or individual printing.

**Safe and efficient**

Solid conductors or wires with ferrules up to 1.5 mm² can be connected with the rapid spring-connection technology PUSH IN. The integrated push buttons are used for releasing. Amazingly simple and simply amazing in practice.





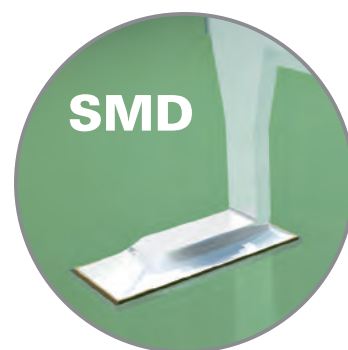
OMNIMATE Signal PCB terminals

LSF-SMD 3.5/180 spring connection for the reflow soldering process (SMD)

The new LSF-SMD meets the demands for fully automatic PCB assembling as a surface-mounting device (SMD). Two SMD soldering pads per pole provide a high level of mechanical stability in accordance with IPC-A-610 class 2.

It is now possible for applications on glass based, ceramic based and aluminium compound based PCB's to also take advantage of "PUSH IN" technology. The existing portfolio of Weidmüller's reflow compatible LSF-SMT terminals with THR soldering has been expanded to include a real SMD variant.

The 3.5 mm pitch and the wire outlet direction of 180° allow a high packing density with a maximum wire cross section of 1.5 mm².



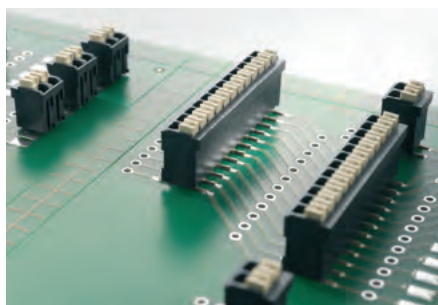
Order a sample

Let yourself be convinced by the LSF-SMD features. Request a free sample using.



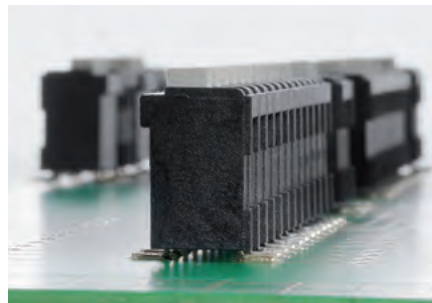
Reliable processing

The LCP causes no formation of blisters and no predrying is required (MSL 1). Direct assembly with the SMT process is possible.



Stable soldering connections

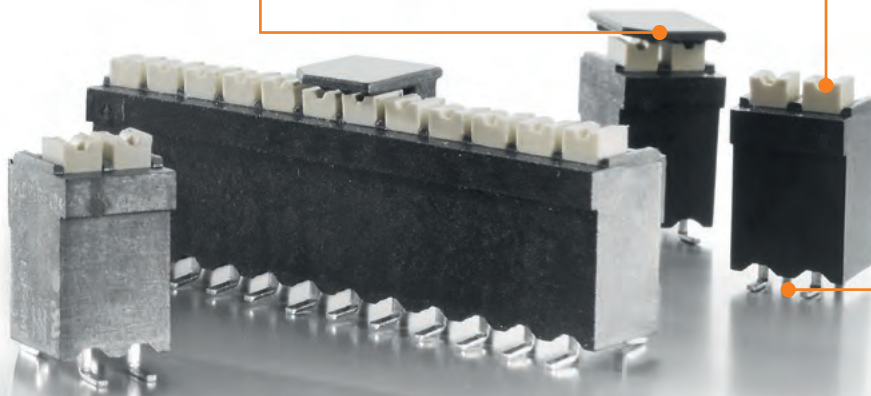
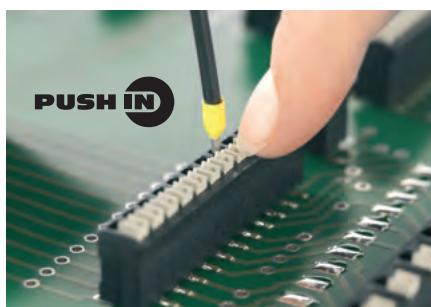
With two solder pins per pole, the LSF-SMD PCB terminal is adequately attached to the circuit board and does not need an additional mounting flange.

**Efficient assembly**

An efficient automatic assembly process is supported by the tape on reel packaging in standard tape widths. The optimised Pick and Place pads ensure that the pick and place process is safe and reliable.

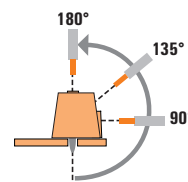
**Fast wire connection method**

Safe contact connections up to 1.5 mm² with no tools needed: made possible by the proven "PUSH IN" connection system. The integrated release button is used to disconnect the cable in a simple and quick manner.



<http://www.OMNIMATE.net>


Orientation

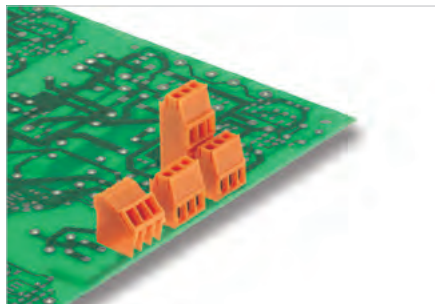


PCB terminals

Type of connection	Clamping range	Type	IEC / UL	90°	135°	180°
Screw	Clamping yoke	  	LM	IEC: 320 V/16 A/0.5 - 1.5 mm ² UL: 300 V/10 A/AWG 28 - 14		
				IEC: 630 V/17.5 A/0.08 - 1.5 mm ² UL: 300 V/15 A/AWG 28 - 14		
			LS			
	  	LM	LM	IEC: 630 V/17.5 A/0.2 - 2.5 mm ² UL: 300 V/15 A/AWG 24 - 14		
		  	LP	IEC: 500 V/32 A/0.5 - 6 mm ² UL: 300 V/20 A/AWG 26 - 12		
		  	LL	IEC: 500 V/32.5 A/0.5 - 6 mm ² UL: 300 V/20 A/AWG 28 - 12		
	TOP	 	TOP1.5GS	IEC: 630 V/24 A/0.5 - 2.5 mm ² UL: 300 V/10 A/AWG 26 - 14		
	 	TOP4GS	TOP4GS	IEC: 320 V/32 A/0.5 - 6 mm ² UL: 300 V/30 A/AWG 26 - 10		
	Leaf spring		PS	IEC: 320 V/17.5 A/0.2 - 1.5 mm ² UL: 300 V/10 A/AWG 28 - 16		
Spring	PUSH IN	  	LSF-SMT	IEC: 320 V/17.5 A/0.2 - 1.5 mm ² UL: 300 V/12 A/AWG 24 - 16		
			LSF-SMD	IEC: 320 V/17.5 A/0.2 - 1.5 mm ² UL: 300 V/12 A/AWG 24 - 16		
	 	LMF(S)	LMF(S)	IEC: 400 V/24 A/0.2 - 2.5 mm ² UL: 300 V/10 A/AWG 26 - 12		
	Tension clamp	  	LMZF	IEC: 630 V/24 A/0.13 - 2.5 mm ² UL: 300 V/15 A/AWG 26 - 14		

Pitch, in mm		3.50		3.81	5.00			5.08			6.35	7.50	7.62	9.52		10.00	10.16
Number of Levels		1	2	1	1	2	3	1	2	3	1	1	1	1	2	1	1
Reflow																	
THT	SMD																
		●	●														
		●															
								●									
					●			●	●	●							
					●			●									
					●	●		●	●	●							
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LM 3.5



Small, compact PCB terminal with the proven clamping yoke screw connection in 3.5 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Wire outlet direction: 90° and 135° version.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...2.08	
Solid core H05(07) V-U	mm ²	0.5...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...1.5	
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²	0.5...0.75	
Stripping length	mm	5	
Screwdriver blade	mm	0.4 x 2.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.2...0.25	
Rated current, max.	A	16	14
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	160	320
Rated impulse voltage	kV	2.5	2.5
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-2	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0 x 0.6	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0.1	

Product data

IEC: 320 V / 16 A / 0.5 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

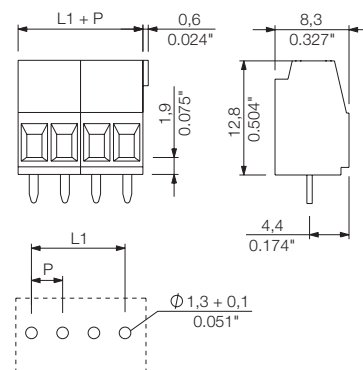
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LM 3.5/..90



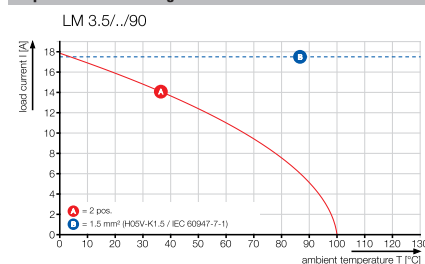
Dimensioned drawing



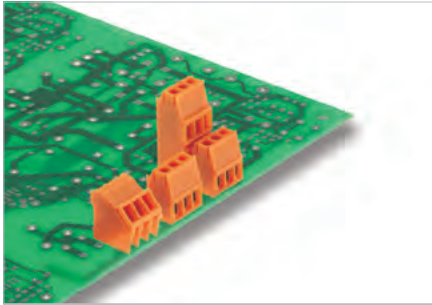
Ordering data

Solder pin length		3.2 mm	
Colour		Orange	
Pitch	3.50 mm		
Pol.	L1	(inch)	Qty. Order No.
2	3.50	0.138	100 1667750000
3	7.00	0.276	100 1667770000
4	10.50	0.413	100 1845040000
5	14.00	0.551	100 1720250000
6	17.50	0.689	50 1845050000
7	21.00	0.827	50 1845060000
8	24.50	0.965	50 1845070000
9	28.00	1.102	50 1845080000
10	31.50	1.240	50 1845090000
11	35.00	1.378	50 1845100000
12	38.50	1.516	50 1845110000

Representative deratings curve



LM 3.5



Small, compact PCB terminal with the proven clamping yoke screw connection in 3.5 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Wire outlet direction: 90° and 135° version.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Product data

IEC: 320 V / 16 A / 0.5 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

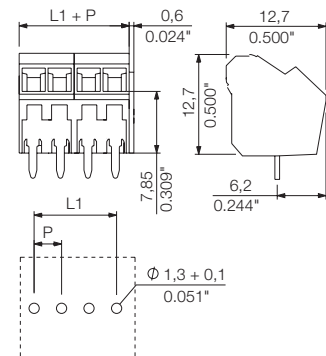
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LM 3.5/.. /135



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...2.08
Solid core H05(07) V-U	mm ²	0.5...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.5...1.5
Flexible with ferrule	mm ²	
Ferrule with plastic collar	mm ²	0.5...0.75
Stripping length	mm	5
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264
Tightening torque range	Nm	0.2...0.25
Rated current, max.	A	16 14
At ambient temperature		20°C 40°C
For conductor cross-section	mm ²	1.5
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	160 160 320
Rated impulse voltage	kV	2.5 2.5 2.5
UL / CUL (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	28-14
CSA (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	28-14
General data		
Type of insulation material		PA
UL 94 flammability rating		V-2
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	1.0 x 0.6
Solder eyelet Ø = D	mm	1.3
Solder eyelet Ø tolerance	mm	+ 0.1

Accessories

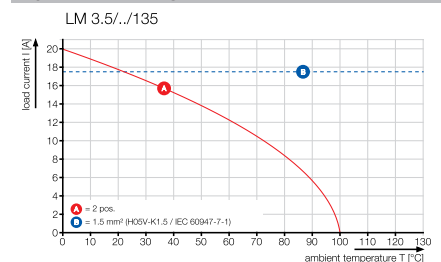
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000

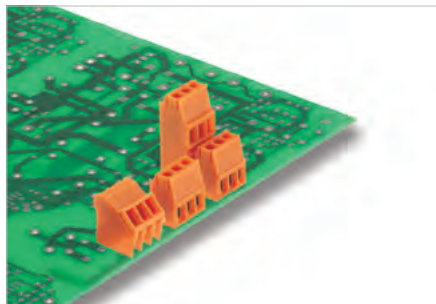
Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1714980000
3	7.00	0.276	100	1715020000
4	10.50	0.413	100	1845220000
5	14.00	0.551	50	1845230000
6	17.50	0.689	50	1845240000
7	21.00	0.827	50	1845250000
8	24.50	0.965	50	1845260000
9	28.00	1.102	50	1845270000
10	31.50	1.240	50	1845280000
11	35.00	1.378	50	1845290000
12	38.50	1.516	50	1845300000

Representative deratings curve



LM 3.5



Small, compact PCB terminal with the proven clamping yoke screw connection in 3.5 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Wire outlet direction: 90° and 135° version.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...2.08	
Solid core H05(07) V-U	mm ²	0.5...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...1.5	
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²	0.5...0.75	
Stripping length	mm	5	
Screwdriver blade	mm	0.4 x 2.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.2...0.25	
Rated current, max.	A	13	11
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	160	320
Rated impulse voltage	kV	2.5	2.5
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-2	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0 x 0.6	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 13 A / 0.5 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

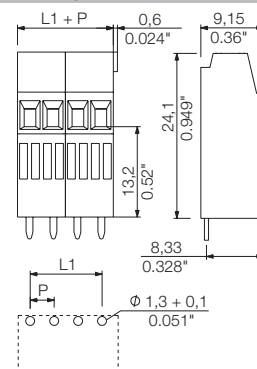
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LM1N 3.5/./90



Dimensioned drawing



Ordering data

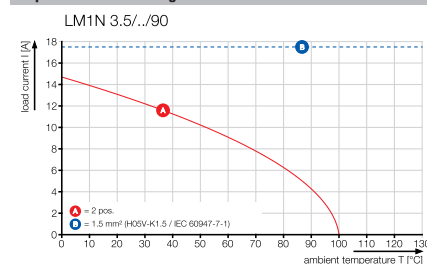
Solder pin length			3.2 mm	
Colour			Orange	
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1716710000
3	7.00	0.276	100	1716720000

Accessories

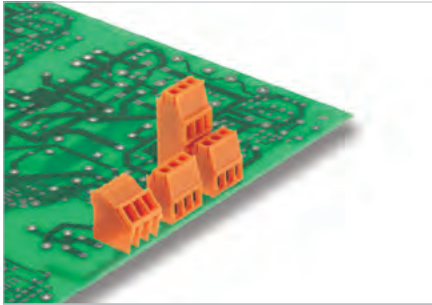
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000

Representative deratings curve



LM 3.5



Small, compact PCB terminal with the proven clamping yoke screw connection in 3.5 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Wire outlet direction: 90° and 135° version.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Product data

IEC: 320 V / 13 A / 0.5 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

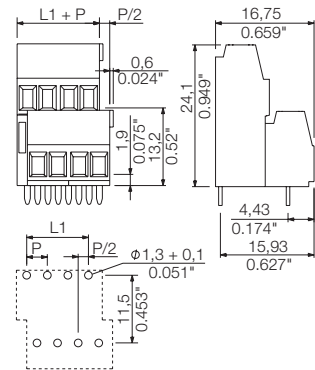
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LM2N 3.5/..90

Multi level



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...2.08
Solid core H05(07) V-U	mm ²	0.5...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.5...1.5
Flexible with ferrule	mm ²	
Ferrule with plastic collar	mm ²	0.5...0.75
Stripping length	mm	5
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264
Tightening torque range	Nm	0.2...0.2
Rated current, max.	A	13 11
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	1.5
Overvoltage category	III	III II
Pollution severity	3	2 2
Rated voltage	V	160 160 320
Rated impulse voltage	kV	2.5 2.5 2.5
UL / CUL (Use Group)	B C D	D
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	28-14
CSA (Use Group)	B C D	D
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	28-14
General data		
Type of insulation material		PA
UL 94 flammability rating		V-2
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	1.0 x 0.6
Solder eyelet Ø = D	mm	1.3
Solder eyelet Ø tolerance	mm	+ 0.1

Accessories

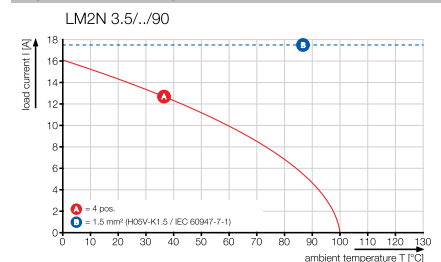
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000

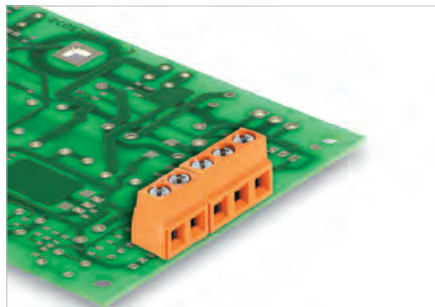
Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	100	1703700000
6	7.00	0.276	100	1703710000
8	10.50	0.413	100	1703720000
10	14.00	0.551	50	1703730000
12	17.50	0.689	50	1703740000
14	21.00	0.827	50	1703750000
16	24.50	0.965	50	1703760000
18	28.00	1.102	50	1703770000
20	31.50	1.240	50	1703780000
22	35.00	1.378	25	1703790000
24	38.50	1.516	25	1703800000
26	42.00	1.654	25	1703810000
28	45.50	1.791	25	1703820000
30	49.00	1.929	25	1703830000
32	52.50	2.067	25	1703840000
34	56.00	2.205	25	1703850000
36	59.50	2.343	25	1703860000
38	63.00	2.480	25	1703870000
40	66.50	2.618	25	1703880000
42	70.00	2.756	20	1703890000
44	73.50	2.894	20	1703900000
46	77.00	3.031	20	1703910000
48	80.50	3.169	20	1703920000

Representative deratings curve



LS 5.08



Small, compact PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 1.5 mm².

- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction of 90°.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...1.5	
Solid core H05(07) V-U	mm ²	0.08...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.08...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	28-14	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	28-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.5 x 1.0	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 630 V / 17.5 A / 0.08 - 1.5 mm²
UL: 300 V / 15 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

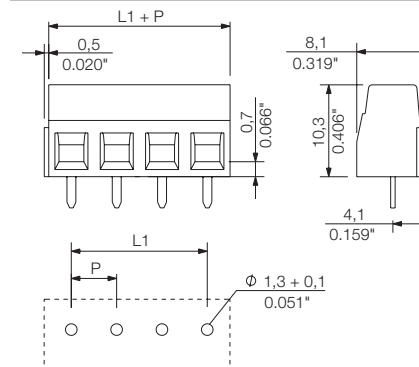
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LS 5.08/..90



Dimensioned drawing



Accessories

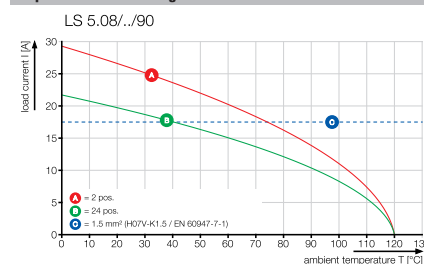
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000

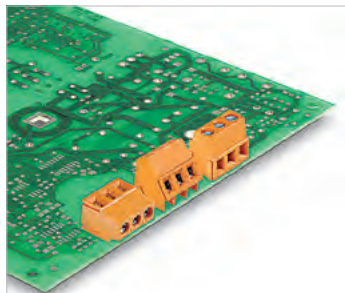
Ordering data

Solder pin length		3.5 mm	
Colour		Orange	
Pitch	5.08 mm		
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	100 1912520000
3	10.16	0.400	100 1912530000
4	15.24	0.600	100 1912540000
5	20.32	0.800	100 1912560000
6	25.40	1.000	100 1912570000
7	30.48	1.200	100 1912850000
8	35.56	1.400	100 1912890000
9	40.64	1.600	100 1912900000
10	45.72	1.800	100 1912910000
11	50.80	2.000	100 1912930000
12	55.88	2.200	100 1912940000

Representative deratings curve



LM 5.00



Single-row PCB terminal with our proven clamping yoke screw connection in 5.00 mm pitch, suitable for wire cross-sections up to 2.5 mm².

- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction: 90°, 135° and 180° versions.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.2...2.5	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	24-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18	10
AWG conductor	AWG	24-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.95 x 0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 24 - 14



For additional articles and information, refer to catalog.weidmueller.com

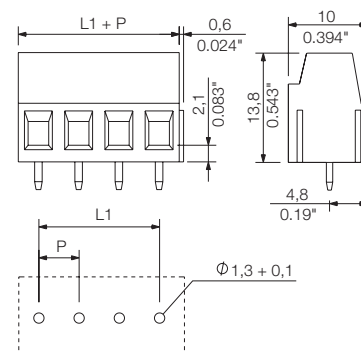
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LM 5.00/..90



Dimensioned drawing



Accessories

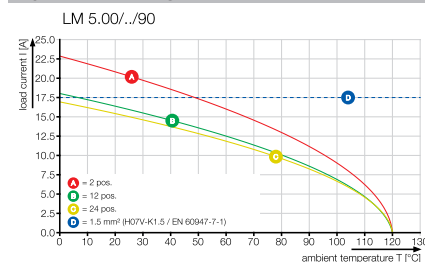
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000

Ordering data

Solder pin length		3.5 mm		
Colour		Orange		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	500	1715310000
3	10.00	0.394	500	1715320000
4	15.00	0.591	50	1821490000
5	20.00	0.787	50	1845310000
6	25.00	0.984	50	1845320000
7	30.00	1.181	50	1845330000
8	35.00	1.378	50	1845340000
9	40.00	1.575	50	1845350000
10	45.00	1.772	50	1845360000
11	50.00	1.969	50	1845370000
12	55.00	2.165	50	1845380000
13	60.00	2.362	50	1234050000
14	65.00	2.559	50	1234070000
15	70.00	2.756	50	1234090000
16	75.00	2.953	50	1234120000
17	80.00	3.150	50	1234130000
18	85.00	3.346	50	1234140000
19	90.00	3.543	50	1234150000
20	95.00	3.740	50	1234170000
21	100.00	3.937	50	1234180000
22	105.00	4.134	50	1234190000
23	110.00	4.331	50	1234200000
24	115.00	4.528	50	1234210000

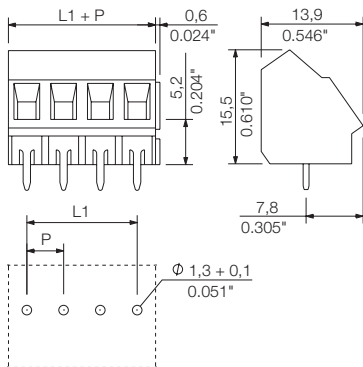
Representative deratings curve



LM 5.00/./135



Dimensioned drawing



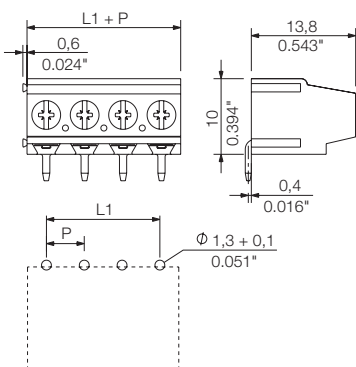
Ordering data

Solder pin length				3.5 mm
Colour				Orange
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	500	1715350000
3	10.00	0.394	500	1715360000
4	15.00	0.591	50	1845390000
5	20.00	0.787	50	1845400000
6	25.00	0.984	50	1845410000
7	30.00	1.181	50	1845420000
8	35.00	1.378	50	1845430000
9	40.00	1.575	50	1845440000
10	45.00	1.772	50	1845450000
11	50.00	1.969	50	1845460000
12	55.00	2.165	50	1845470000
13	60.00	2.362	50	1233910000
14	65.00	2.559	50	1233920000
15	70.00	2.756	50	1233930000
16	75.00	2.953	50	1233940000
17	80.00	3.150	50	1233950000
18	85.00	3.346	50	1233970000
19	90.00	3.543	50	1233980000
20	95.00	3.740	50	1233990000
21	100.00	3.937	50	1234010000
22	105.00	4.134	50	1234020000
23	110.00	4.331	50	1234030000
24	115.00	4.528	50	1234040000

LM 5.00/./180



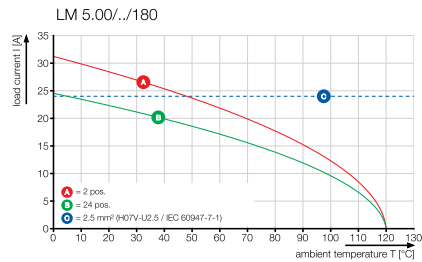
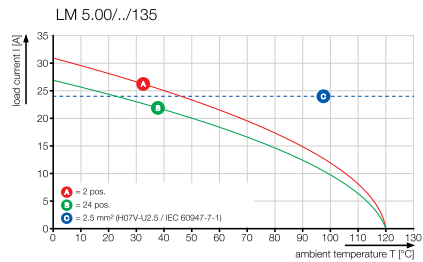
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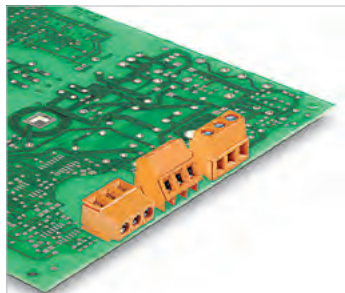
Ordering data

Solder pin length				3.5 mm
Colour				Orange
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	500	1715330000
3	10.00	0.394	500	1715340000
4	15.00	0.591	50	1234230000
5	20.00	0.787	50	1234240000
6	25.00	0.984	50	1234250000
7	30.00	1.181	50	1234270000
8	35.00	1.378	50	1234280000
9	40.00	1.575	50	1234290000
10	45.00	1.772	50	1234310000
11	50.00	1.969	50	1234320000
12	55.00	2.165	50	1234330000
13	60.00	2.362	50	1234340000
14	65.00	2.559	50	1234350000
15	70.00	2.756	50	1234370000
16	75.00	2.953	50	1234380000
17	80.00	3.150	50	1234390000
18	85.00	3.346	50	1234400000
19	90.00	3.543	50	1234410000
20	95.00	3.740	50	1234420000
21	100.00	3.937	50	1234430000
22	105.00	4.134	50	1234440000
23	110.00	4.331	50	1234450000
24	115.00	4.528	50	1234470000

Additional deratings curves



LM 5.08



Single-row PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 2.5 mm².

- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction: 90°, 135° and 180° versions.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.2...2.5	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	17.5	17.5
At ambient temperature	20°C		40°C
For conductor cross-section	mm ²	1.5	
Overtolerance category		III	II
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	24-14	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	18	10
AWG conductor	AWG	24-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.95 x 0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 24 - 14



For additional articles and information, refer to catalog.weidmueller.com

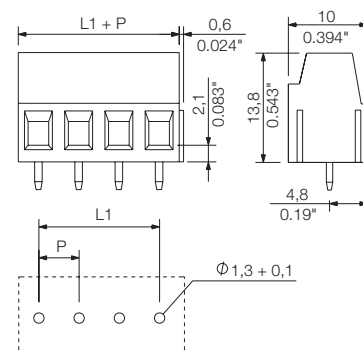
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LM 5.08/..90



Dimensioned drawing



Accessories

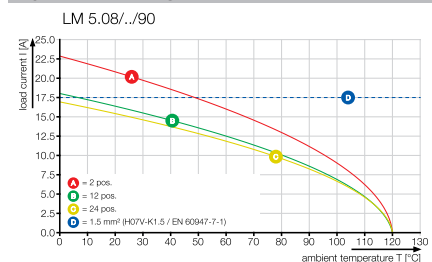
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000

Ordering data

Solder pin length		3.5 mm	
Colour		Orange	
Pitch	5.08 mm		
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	500 1716080000
3	10.16	0.400	500 1716090000
4	15.24	0.600	50 9994130000
5	20.32	0.800	50 9994140000
6	25.40	1.000	50 9994150000
7	30.48	1.200	50 9994160000
8	35.56	1.400	50 9994170000
9	40.64	1.600	50 9994180000
10	45.72	1.800	50 9994190000
11	50.80	2.000	50 9994200000
12	55.88	2.200	50 9994210000
13	60.96	2.400	50 9994220000
14	66.04	2.600	50 9994230000
15	71.12	2.800	50 9994240000
16	76.20	3.000	50 9994250000
17	81.28	3.200	50 9994260000
18	86.36	3.400	50 9994270000
19	91.44	3.600	50 9994280000
20	96.52	3.800	50 9994290000
21	101.60	4.000	50 9994300000
22	106.68	4.200	50 9994310000
23	111.76	4.400	50 9994320000
24	116.84	4.600	50 9994330000

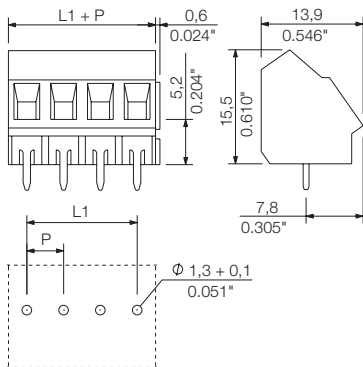
Representative deratings curve



LM 5.08/./135



Dimensioned drawing



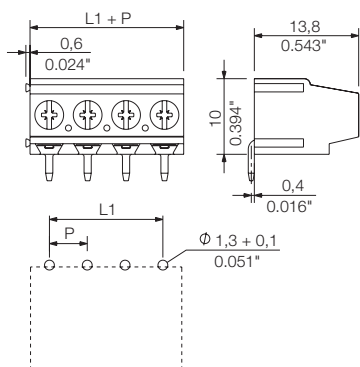
Ordering data

Solder pin length		3.5 mm	
Colour		Orange	
Pitch		5.08 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	5.08 0.200	500	1716120000
3	10.16 0.400	500	1716130000
4	15.24 0.600	50	9994550000
5	20.32 0.800	50	9994560000
6	25.40 1.000	50	9994570000
7	30.48 1.200	50	9994580000
8	35.56 1.400	50	9994590000
9	40.64 1.600	50	9994600000
10	45.72 1.800	50	9994610000
11	50.80 2.000	50	9994620000
12	55.88 2.200	50	9994630000
13	60.96 2.400	50	9994640000
14	66.04 2.600	50	9994650000
15	71.12 2.800	50	9994660000
16	76.20 3.000	50	9994670000
17	81.28 3.200	50	9994680000
18	86.36 3.400	50	9994690000
19	91.44 3.600	50	9994700000
20	96.52 3.800	50	9994710000
21	101.60 4.000	50	9994720000
22	106.68 4.200	50	9994730000
23	111.76 4.400	50	9994740000
24	116.84 4.600	50	9994750000

LM 5.08/./180



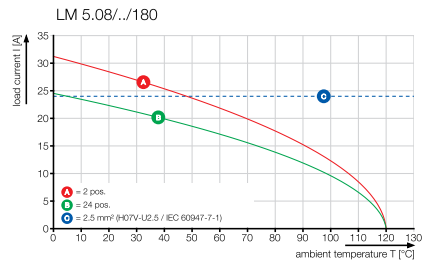
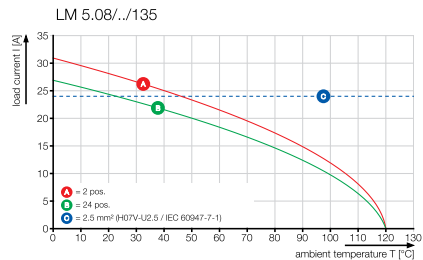
Dimensioned drawing



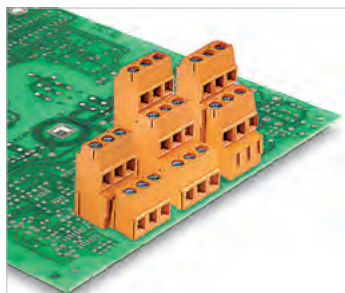
Ordering data

Solder pin length		3.5 mm	
Colour		Orange	
Pitch		5.08 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	5.08 0.200	500	1716100000
3	10.16 0.400	500	1716110000
4	15.24 0.600	50	9994970000
5	20.32 0.800	50	9994980000
6	25.40 1.000	50	9994990000
7	30.48 1.200	50	9995000000
8	35.56 1.400	50	9995010000
9	40.64 1.600	50	9995020000
10	45.72 1.800	50	9995030000
11	50.80 2.000	50	9995040000
12	55.88 2.200	50	9995050000
13	60.96 2.400	50	9995060000
14	66.04 2.600	50	9995070000
15	71.12 2.800	50	9995080000
16	76.20 3.000	50	9995090000
17	81.28 3.200	50	9995100000
18	86.36 3.400	50	9995110000
19	91.44 3.600	50	9995120000
20	96.52 3.800	50	9995130000
21	101.60 4.000	50	9995140000
22	106.68 4.200	50	9995150000
23	111.76 4.400	50	9995210000
24	116.84 4.600	50	9995220000

Additional deratings curves



LM 5.08, multi level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 2.5 mm².

- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction of 90°.
- Block construction can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.2...2.5	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	24-14	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	18	10
AWG conductor	AWG	24-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.95 x 0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 24 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

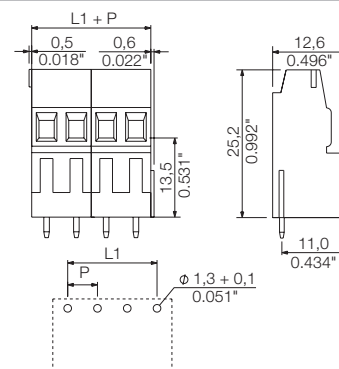
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LM1N 5.08/./90

Single row, middle



Dimensioned drawing



Ordering data

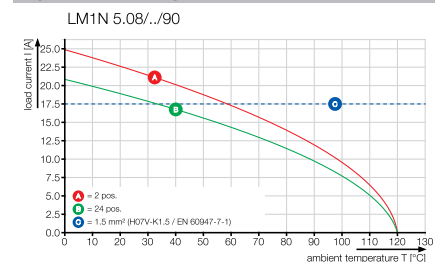
Solder pin length			3.5 mm	
Colour			Orange	
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1766300000
3	10.16	0.400	100	1766310000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.6X3.5X100	9008390000
	SDS 0.6X3.5X100	9008330000

Representative deratings curve

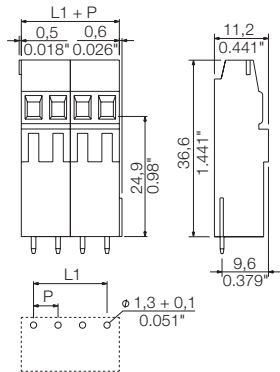


LM1H 5.08/./90

Single row, high



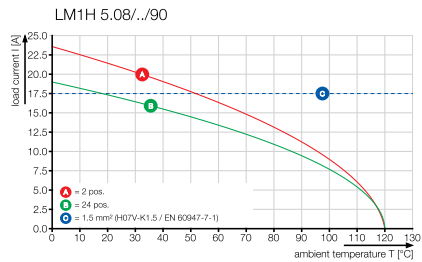
Dimensioned drawing



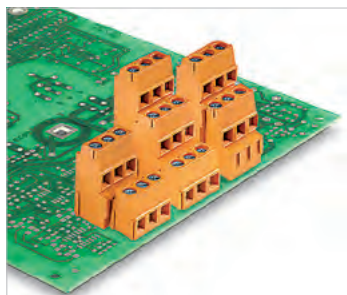
Ordering data

Solder pin length		3.5 mm	
Colour		Orange	
Pitch		5.08 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	100 1766360000
3	10.16	0.400	100 1766370000

Additional deratings curves



LM 5.08, multi level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 2.5 mm².

- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction of 90°.
- Block construction can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.2...2.5	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	24-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	18	10
AWG conductor	AWG	24-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.95 x 0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 630 V / 17.5 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 24 - 14



For additional articles and information, refer to catalog.weidmueller.com

Note:

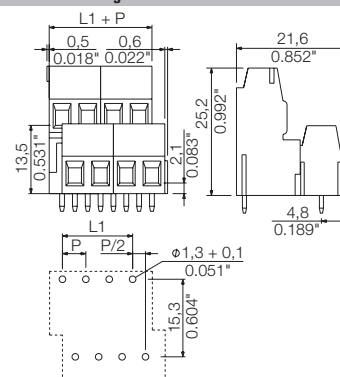
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LM2N 5.08/.. /90

Double level row



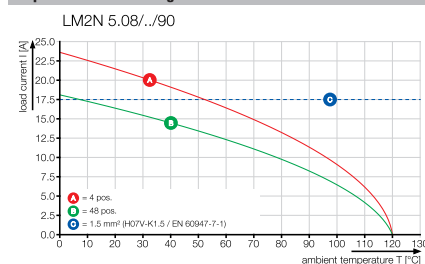
Dimensioned drawing



Ordering data

Solder pin length				3.5 mm
Colour				Orange
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1768850000
6	10.16	0.400	50	1768860000
8	15.24	0.600	50	1768870000
10	20.32	0.800	50	1768880000
12	25.40	1.000	20	1768890000
14	30.48	1.200	20	1768900000
16	35.56	1.400	20	1768910000
18	40.64	1.600	20	1768920000
20	45.72	1.800	20	1768930000
22	50.80	2.000	20	1768940000
24	55.88	2.200	10	1768950000
26	60.96	2.400	10	1768960000
28	66.04	2.600	10	1768970000
30	71.12	2.800	10	1768980000
32	76.20	3.000	10	1768990000
34	81.28	3.200	10	1769000000
36	86.36	3.400	10	1769010000
38	91.44	3.600	10	1769020000
40	96.52	3.800	10	1769030000
42	101.60	4.000	10	1769040000
44	106.68	4.200	10	1769050000
46	111.76	4.400	10	1769060000
48	116.84	4.600	10	1769070000

Representative deratings curve

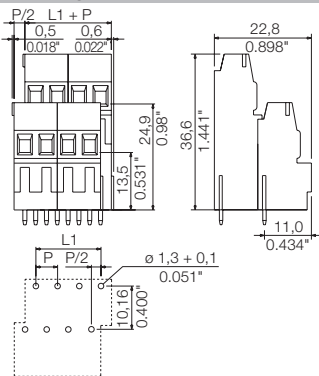


LM2H 5.08/./90

Double level row high



Dimensioned drawing



Ordering data

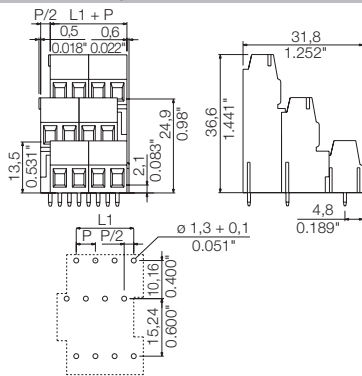
Solder pin length		3.5 mm			
Colour		Orange			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
4	5.08	0.200	50	1769240000	
6	10.16	0.400	50	1769250000	
8	15.24	0.600	50	1769260000	
10	20.32	0.800	50	1769270000	
12	25.40	1.000	20	1769280000	
14	30.48	1.200	20	1769290000	
16	35.56	1.400	20	1769300000	
18	40.64	1.600	20	1769310000	
20	45.72	1.800	20	1769320000	
22	50.80	2.000	20	1769330000	
24	55.88	2.200	10	1769340000	
26	60.96	2.400	10	1769350000	
28	66.04	2.600	10	1769360000	
30	71.12	2.800	10	1769370000	
32	76.20	3.000	10	1769380000	
34	81.28	3.200	10	1769390000	
36	86.36	3.400	10	1769400000	
38	91.44	3.600	10	1769410000	
40	96.52	3.800	10	1769420000	
42	101.60	4.000	10	1769430000	
44	106.68	4.200	10	1769440000	
46	111.76	4.400	10	1769450000	
48	111.76	4.400	10	1769460000	

LM3R 5.08/./90

Triple level



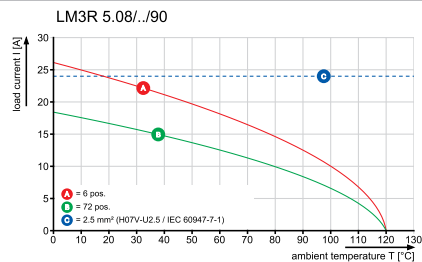
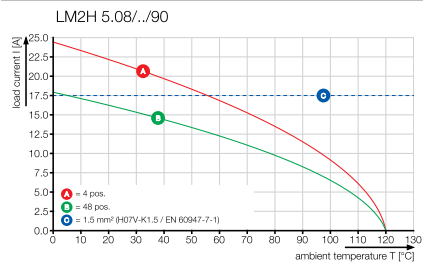
Dimensioned drawing



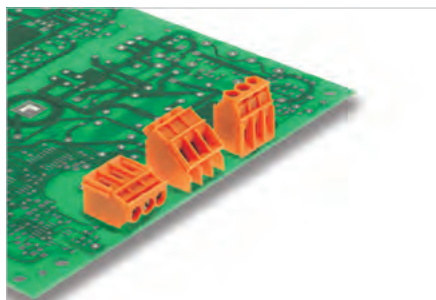
Ordering data

Solder pin length		3.5 mm			
Colour		Orange			
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
6	5.08	0.200	50	1769620000	
9	10.16	0.400	50	1769630000	
12	15.24	0.600	50	1769640000	
15	20.32	0.800	25	1769650000	
18	25.40	1.000	25	1769660000	
21	30.48	1.200	20	1769670000	
24	35.56	1.400	20	1769680000	
27	40.64	1.600	20	1769690000	
30	45.72	1.800	10	1769700000	
33	50.80	2.000	10	1769710000	
36	55.88	2.200	10	1769720000	
39	60.96	2.400	10	1769730000	
42	66.04	2.600	10	1769740000	
45	71.12	2.800	10	1769750000	
48	76.20	3.000	10	1769760000	
51	81.28	3.200	10	1769770000	
54	86.36	3.400	5	1769780000	
57	91.44	3.600	5	1769790000	
60	96.52	3.800	5	1769800000	
63	101.60	4.000	5	1769810000	
66	106.68	4.200	5	1769820000	
69	111.76	4.400	5	1769830000	
72	116.84	4.600	5	1769840000	

Additional deratings curves



LP & LPP 5.00



Single-row PCB terminal with our proven clamping yoke screw connection in 5.00 mm pitch, suitable for wire cross-sections up to 6.0 mm².

- Wire outlet direction: 90°, 135° and 180° versions.
- 90° and 135° versions optionally with integrated test point for test plug PS 2.0.
- Version with a wide variety of extra functions.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...6	
Solid core H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm			
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	32	32
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	250	250 500
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-2	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.75 x 0.9	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 500 V / 32 A / 0.5 - 6 mm²
UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

Note:

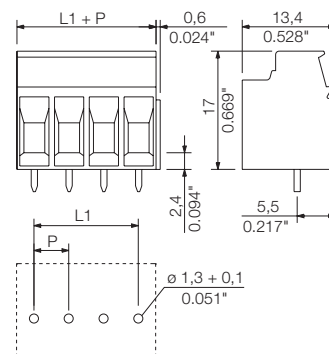
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LPP 5.00/./90

with test point



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Marker holder and functional holder	Order No.
LPA BZ2	1497260000
LPA BZ3	1497360000
LPA FA2	1495960000
LPA FA2 BZ	1496160000
LPA FA3	1496060000
LPA FA3 BZ	1496260000

Fuse and disconnection element	
LPA SI STI3.2 OR	1495060000
LPA TR STI3.2 OR	1495460000

Intermediate plate + mounting block	
LPBB MU OR	1747530000
LPBB OR	1747540000
LPHP 7.XX OR	1753440000
LPZP 1.27/90 OR	1747490000
LPZP 2.54/135 OR	1753740000
LPZP 2.54/90 OR	1747480000
LPZP1N 2.54 OR	1747470000

Cross-connection	
LPA QB 10	1472500000
LPA QB 17	1584770000
LPA QB 2	1472200000
LPA QB 24	1472600000
LPA QB 3	1472300000
LPA QB 4	1472400000

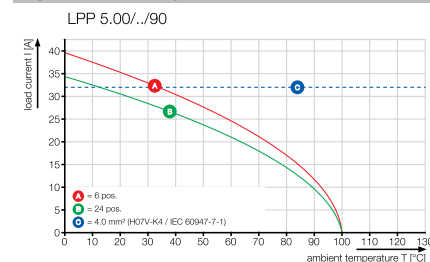
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000

Identification systems	
DEK 5 NEUTRAL	0473360000
DEK 5/5 MC-10 NE WS	1609801044

Ordering data

Solder pin length		3.2 mm	
Colour		Orange	
Pitch	5.00 mm		
Pol.	L1	(inch)	Qty. Order No.
2	5.00	0.197	100 1594340000
3	10.00	0.394	100 1594350000

Representative deratings curve

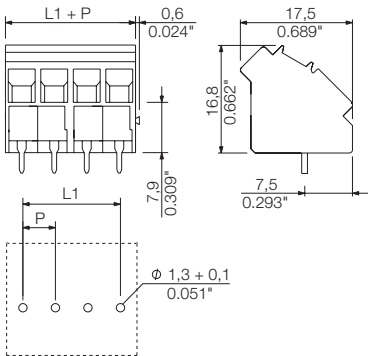


LP 5.00/./135

with test point



Dimensioned drawing



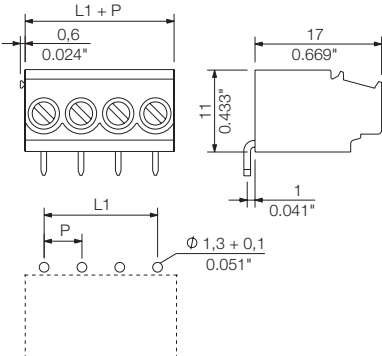
Ordering data

Solder pin length		3.2 mm	
Colour		Orange	
Pitch		5.00 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.00	0.197	100 1595750000
3	10.00	0.394	100 1595710000
4	15.00	0.591	50 1791710000
5	20.00	0.787	50 1843210000
6	25.00	0.984	50 1843220000
7	30.00	1.181	50 1843230000
8	35.00	1.378	50 1843240000
9	40.00	1.575	50 1843250000
10	45.00	1.772	50 1843260000
11	50.00	1.969	50 1843270000
12	55.00	2.165	50 1843280000

LP 5.00/./180



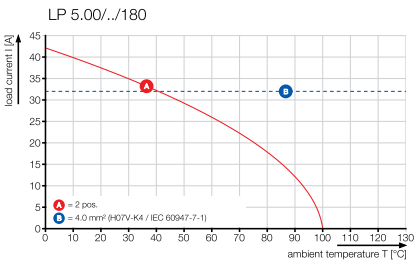
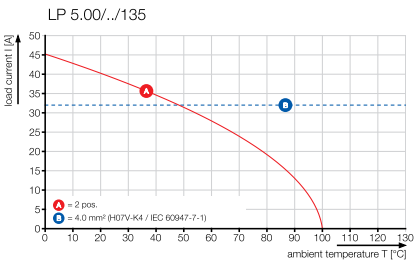
Dimensioned drawing



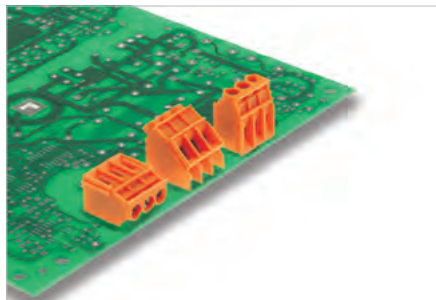
Ordering data

Solder pin length		3.2 mm	
Colour		Orange	
Pitch		5.00 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.00	0.197	100 1761330000
3	10.00	0.394	100 1761340000

Additional deratings curves



LP & LPP 5.08



Single-row PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 6.0 mm².

- Wire outlet direction: 90°, 135° and 180° versions.
- 90° and 135° versions optionally with integrated test point for test plug PS 2.0.
- Version with a wide variety of extra functions.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²	0.13...6	
Solid core H05(07) V-U	mm²	0.5...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm²	0.5...4	
Flexible with ferrule	mm²	0.5...2.5	
Ferrule with plastic collar	mm²	0.5...2.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	32	32
At ambient temperature		20°C	40°C
For conductor cross-section	mm²		
Overtolerance category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	250 500
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-2	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.75 x 0.9	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 500 V / 32 A / 0.5 - 6 mm²
UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

Note:

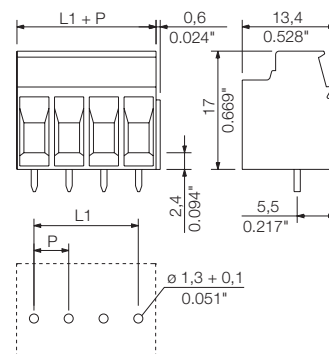
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LPP 5.08/./90

with test point



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Marker holder and functional holder	Order No.
LPA BZ2	1497260000
LPA BZ3	1497360000
LPA FA2	1495960000
LPA FA2 BZ	1496160000
LPA FA3	1496060000
LPA FA3 BZ	1496260000

Fuse and disconnection element	
LPA SI STI3.2 OR	1495060000
LPA TR STI3.2 OR	1495460000

Intermediate plate + mounting block	
LPBB MU OR	1747530000
LPBB OR	1747540000
LPHP 7.XX OR	1753440000
LPZP 1.27/90 OR	1747490000
LPZP 2.54/135 OR	1753740000
LPZP 2.54/90 OR	1747480000
LPZP1N 2.54 OR	1747470000

Cross-connection	
LPA QB 10	1472500000
LPA QB 17	1584770000
LPA QB 2	1472200000
LPA QB 24	1472600000
LPA QB 3	1472300000
LPA QB 4	1472400000

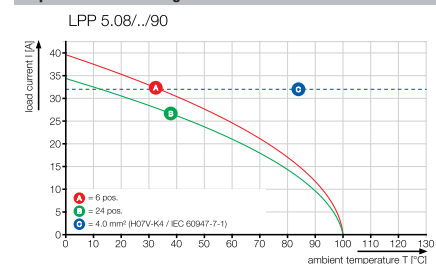
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000

Identification systems	
DEK 5 NEUTRAL	0473360000
DEK 5/5 MC-10 NE WS	1609801044

Ordering data

Solder pin length		3.2 mm	
Colour		Orange	
Pitch	5.08 mm		
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	100 1594400000
3	10.16	0.400	100 1594410000

Representative deratings curve

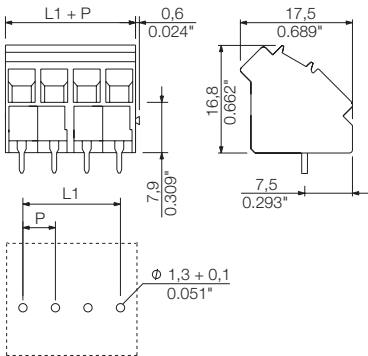


LP 5.08/./135

with test point



Dimensioned drawing



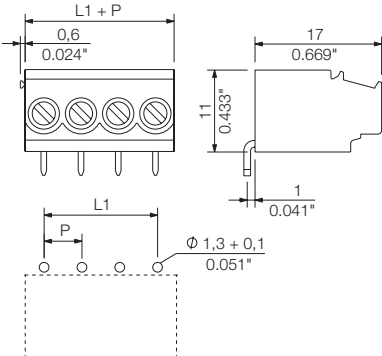
Ordering data

Solder pin length		3.2 mm	
Colour		Orange	
Pitch		5.08 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	100 1595730000
3	10.16	0.400	100 1595690000
5	20.32	0.800	50 1843150000
6	25.40	1.000	50 1759360000
7	30.48	1.200	50 1843160000
8	35.56	1.400	50 1752940000
9	40.64	1.600	50 1843170000
10	45.72	1.800	50 1843180000
11	50.80	2.000	50 1843190000
12	55.88	2.200	50 1843200000

LP 5.08/./180



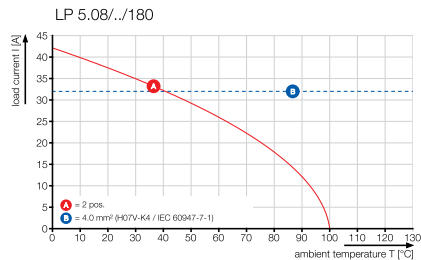
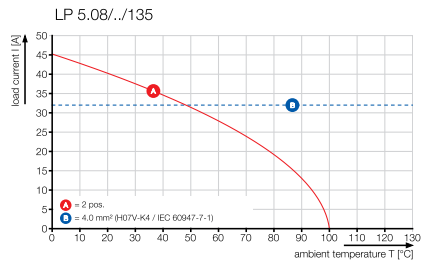
Dimensioned drawing



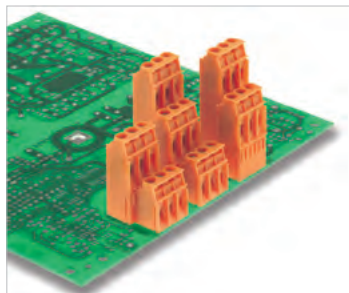
Ordering data

Solder pin length		3.2 mm	
Colour		Orange	
Pitch		5.08 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	100 1753810000
3	10.16	0.400	100 1753820000

Additional deratings curves



LP 5.00, multi level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.00 mm pitch, suitable for wire cross-sections up to 6 mm².

- Wire outlet direction of 90°.
- Block construction can be aligned together for higher pole counts.

Product data

IEC: 500 V / 32 A / 0.5 - 6 mm²

UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

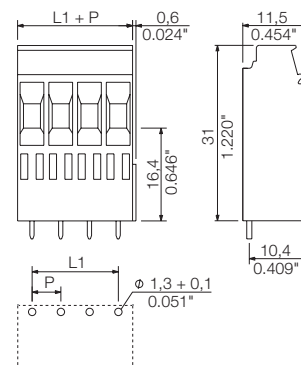
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LP1N 5.00/./90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...6	
Solid core H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	32	32
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	250 500
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-2	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.75 x 0.9	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

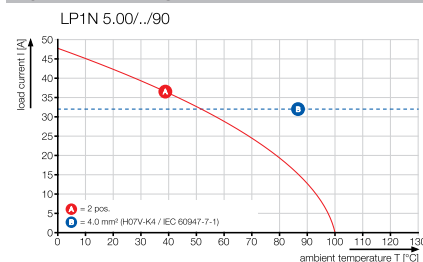
Note: Refer to the Accessories chapter for additional accessories.

Marker holder and functional holder	Order No.
LPA BZ2	1497260000
LPA BZ3	1497360000
LPA FA2	1495960000
LPA FA2 BZ	1496160000
LPA FA3	1496060000
LPA FA3 BZ	1496260000
Cross-connection	
LPA QB 10	1472500000
LPA QB 17	1584770000
LPA QB 2	1472200000
LPA QB 24	1472600000
LPA QB 3	1472300000
LPA QB 4	1472400000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Identification systems	
DEK 5 NEUTRAL	0473360000
DEK 5/5 MC-10 NE WS	1609801044

Ordering data

Solder pin length		3.2 mm	
Colour		Orange	
Pitch	5.00 mm		
Pol.	L1	(inch)	Qty. Order No.
2	5.00	0.197	100 1640870000
3	10.00	0.394	100 1640880000

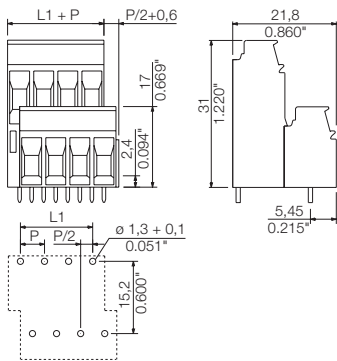
Representative deratings curve



LP2N 5.00/./90



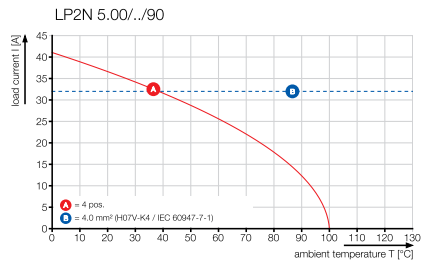
Dimensioned drawing



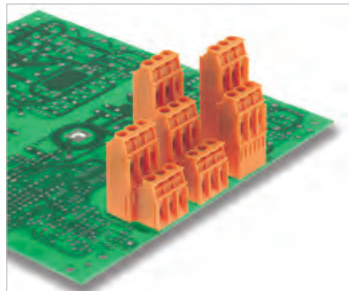
Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	50	1635160000
6	10.00	0.394	50	1625560000
8	15.00	0.591	50	1596450000
10	20.00	0.787	50	1596490000
16	35.00	1.378	20	1596550000
20	45.00	1.772	20	1596590000
24	55.00	2.165	10	1596630000
30	70.00	2.756	10	1596670000

Additional deratings curves



LP 5.08, multi level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 6 mm².

- Wire outlet direction of 90°. Block construction can be aligned together for higher pole counts.

Product data

IEC: 500 V / 32 A / 0.5 - 6 mm²

UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

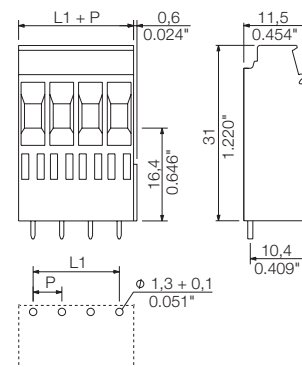
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LP1N 5.08../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...6	
Solid core H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	32	32
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	250 500
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-2	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.75 x 0.9	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

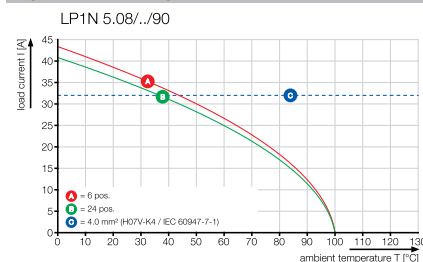
Note: Refer to the Accessories chapter for additional accessories.

Marker holder and functional holder	Order No.
LPA BZ2	1497260000
LPA BZ3	1497360000
LPA FA2	1495960000
LPA FA2 BZ	1496160000
LPA FA3	1496060000
LPA FA3 BZ	1496260000
Cross-connection	
LPA QB 10	1472500000
LPA QB 17	1584770000
LPA QB 2	1472200000
LPA QB 24	1472600000
LPA QB 3	1472300000
LPA QB 4	1472400000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Identification systems	
DEK 5 NEUTRAL	0473360000
DEK 5/5 MC-10 NE WS	1609801044

Ordering data

Solder pin length		3.2 mm	
Colour		Orange	
Pitch	5.08 mm		
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	100 1640830000
3	10.16	0.400	100 1640840000

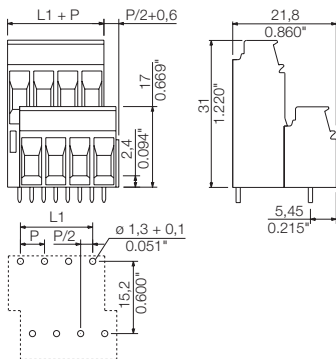
Representative deratings curve



LP2N 5.08/./90



Dimensioned drawing



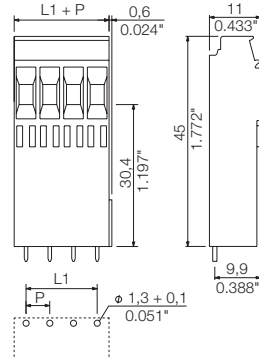
Ordering data

Solder pin length		3.2 mm	
Colour		Orange	
Pitch	5.08 mm		
Pol.	L1	(inch)	Qty. Order No.
4	5.08	0.200	50 1635140000
6	10.16	0.400	50 1625540000
8	15.24	0.600	50 1596460000
10	20.32	0.800	50 1596510000
12	25.40	1.000	50 1844510000
14	30.48	1.200	50 1844520000
16	35.56	1.400	20 1596530000
18	40.64	1.600	20 1844530000
20	45.72	1.800	20 1596570000
22	50.80	2.000	20 1844540000
24	55.88	2.200	10 1596610000
26	60.96	2.400	10 1844550000
28	66.04	2.600	10 1844560000
30	71.12	2.800	10 1596650000
32	76.20	3.000	10 1844570000
34	81.28	3.200	10 1844580000
36	86.36	3.400	10 1844590000
38	91.44	3.600	10 1844600000
40	96.52	3.800	10 1844610000
42	101.60	4.000	10 1844620000
44	106.68	4.200	10 1844630000
46	111.76	4.400	10 1844640000
48	116.84	4.600	10 1844650000

LP1H 5.08/./90



Dimensioned drawing



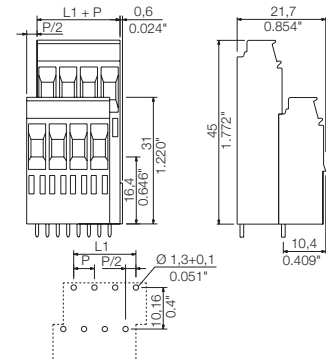
Ordering data

Solder pin length		3.2 mm	
Colour		Orange	
Pitch	5.08 mm		
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	100 1640910000
3	10.16	0.400	100 1640920000

LP2HR 5.08/./90



Dimensioned drawing

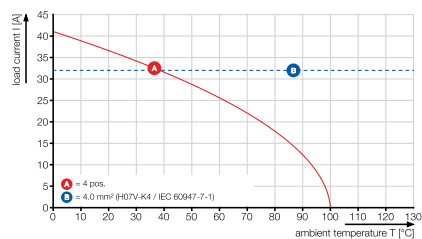


Ordering data

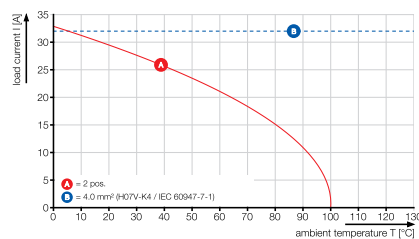
Solder pin length		3.2 mm	
Colour		Orange	
Pitch	5.08 mm		
Pol.	L1	(inch)	Qty. Order No.
4	5.08	0.200	50 1636210000
6	10.16	0.400	50 1636220000
8	15.24	0.600	50 1636230000
10	20.32	0.800	50 1636240000
12	25.40	1.000	20 1844660000
14	30.48	1.200	20 1844670000
16	35.56	1.400	20 1636250000
18	40.64	1.600	20 1844680000
20	45.72	1.800	20 1636260000
24	55.88	2.200	10 1636270000
26	60.96	2.400	10 1844690000
28	66.04	2.600	10 1844700000
30	71.12	2.800	10 1636280000
32	76.20	3.000	10 1844710000
34	81.28	3.200	10 1844720000
36	86.36	3.400	10 1844730000
38	91.44	3.600	10 1844740000
40	96.52	3.800	10 1844750000
42	101.60	4.000	10 1844760000
44	106.68	4.200	10 1844770000
46	111.76	4.400	10 1844780000
48	116.84	4.600	10 1646480000

Additional deratings curves

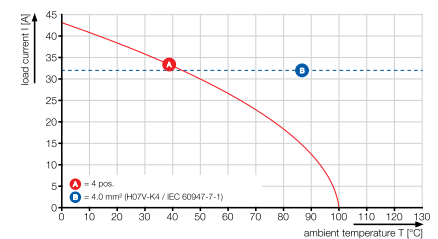
LP2N 5.08/./90



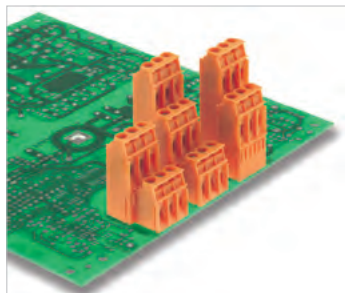
LP1H 5.08/./90



LP2HR 5.08/./90



LP 5.08, multi level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 6 mm².

- Wire outlet direction of 90°. Block construction can be aligned together for higher pole counts.

Product data

IEC: 500 V / 32 A / 0.5 - 6 mm²

UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

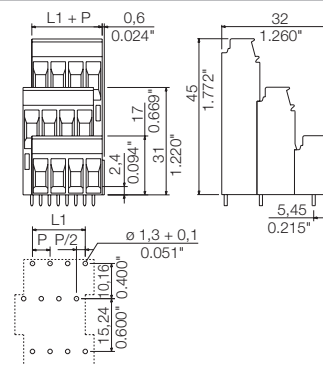
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LP3R 5.08/./90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...6	
Solid core H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	32	30
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	250 500
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B C D	
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B C D	
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-2	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.75 x 0.9	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

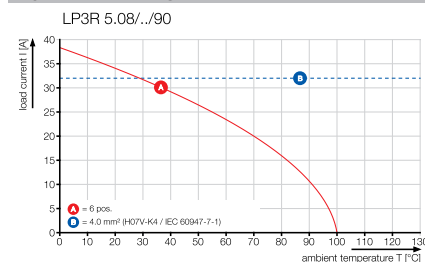
Note: Refer to the Accessories chapter for additional accessories.

Marker holder and functional holder	Order No.
LPA BZ2	1497260000
LPA BZ3	1497360000
LPA FA2	1495960000
LPA FA2 BZ	1496160000
LPA FA3	1496060000
LPA FA3 BZ	1496260000
Cross-connection	
LPA QB 10	1472500000
LPA QB 17	1584770000
LPA QB 2	1472200000
LPA QB 24	1472600000
LPA QB 3	1472300000
LPA QB 4	1472400000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Identification systems	
DEK 5 NEUTRAL	0473360000
DEK 5/5 MC-10 NE WS	1609801044

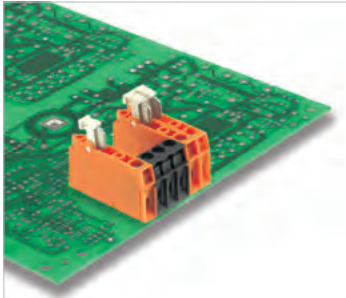
Ordering data

Solder pin length		3.2 mm	
Colour		Orange	
Pitch	5.08 mm		
Pol.	L1	(inch)	Qty. Order No.
6	5.08	0.200	50 1653930000
9	10.16	0.400	50 1596320000
12	15.24	0.600	50 1596340000
15	20.32	0.800	25 1596360000
18	25.40	1.000	25 1596380000
21	30.48	1.200	20 1844790000
24	35.56	1.400	20 1596400000
27	40.64	1.600	10 1844800000
30	45.72	1.800	10 1596420000
33	50.80	2.000	10 1844810000
36	55.88	2.200	10 1844820000
39	60.96	2.400	10 1844830000
42	66.04	2.600	10 1844840000
45	71.12	2.800	10 1844850000
48	76.20	3.000	10 1844860000
51	81.28	3.200	10 1844870000
54	86.36	3.400	10 1844880000
57	91.44	3.600	5 1844890000
60	96.52	3.800	5 1844900000
63	101.60	4.000	5 1844910000
66	106.68	4.200	5 1844920000
69	111.76	4.400	5 1844930000
72	116.84	4.600	5 1844940000

Representative deratings curve



LP 5.08 partition



Isolating element with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 6.0 mm².

- Direction of wire outlet: 90° version with integrated test point for test plug PS 2.0.

Product data

IEC: 500 V / 32 A / 0.5 - 6 mm²
UL: 300 V / 15 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

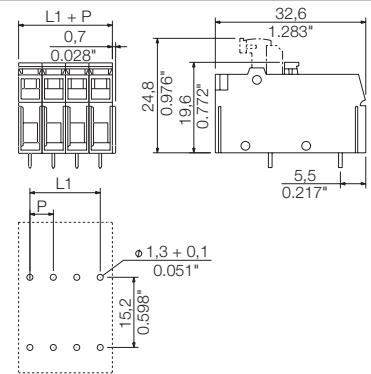
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LPTR 5.08/..90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...6
Solid core H05(07) V-U	mm ²	0.5...6
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.5...4
Flexible with ferrule	mm ²	0.5...2.5
Ferrule with plastic collar	mm ²	0.5...2.5
Stripping length	mm	6
Screwdriver blade	mm	0.6 x 3.5
According to norm		DIN 5264
Tightening torque range	Nm	0.5...0.6
Rated current, max.	A	32 32
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	2.5
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	250 250 500
Rated impulse voltage	kV	4 4 4
UL / CUL (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	15 10
AWG conductor	AWG	26-12
CSA (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	15 10
AWG conductor	AWG	26-12
General data		
Type of insulation material		PA
UL 94 flammability rating		V-2
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	0.75 x 0.9
Solder eyelet Ø = D	mm	1.3
Solder eyelet Ø tolerance	mm	+ 0.1

Accessories

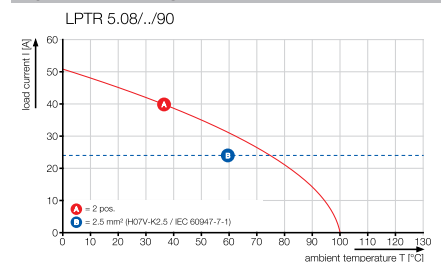
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.6X3.5X100	9008390000
	SDS 0.6X3.5X100	9008330000
Test plug		
	PS 2.0 MC	0310000000
Identification systems		
	DEK 5 NEUTRAL	0473360000
	DEK 5/5 MC-10 NE WS	1609801044

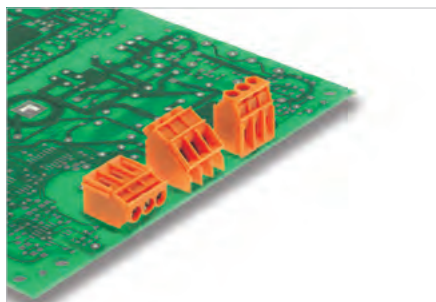
Ordering data

Solder pin length			3.2 mm	
Colour			Orange	
Pitch			5.08 mm	
Pol.	L1	(inch)	Qty.	Order No.
1	5.08	0.200	100	1755180000

Representative deratings curve



LP 7.50



Single-row PCB terminal with our proven clamping yoke screw connection in 7.50 mm pitch, suitable for wire cross-sections up to 6.0 mm².

- Wire outlet direction: 90°, 135° and 180° versions.
- 90° and 135° versions optionally with integrated test point for test plug PS 2.0.
- Version with a wide variety of extra functions.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²	0.13...6	
Solid core H05(07) V-U	mm²	0.5...6	
Stranded H07 V-R		...6	
Flexible H05(07) V-K	mm²	0.5...4	
Flexible with ferrule	mm²	0.5...2.5	
Ferrule with plastic collar	mm²	0.5...2.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	32	32
At ambient temperature		20°C	40°C
For conductor cross-section	mm²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	500	500 1000
Rated impulse voltage	kV	6	6 6
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-2	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.75 x 0.9	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0.1	

Product data

IEC: 1000 V / 32 A / 0.5 - 6 mm²
UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

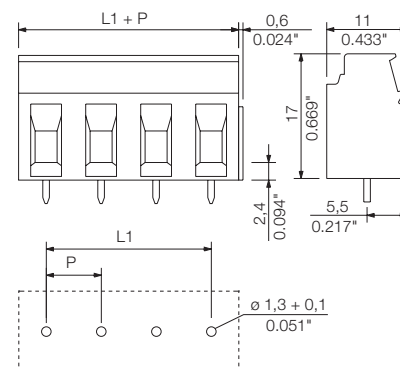
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LP 7.5/..../90



Dimensioned drawing



Ordering data

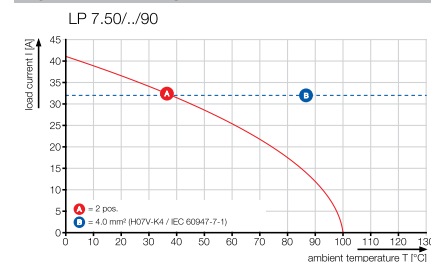
Solder pin length		3.2 mm		
Colour		Orange		
Pitch		7.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	100	1594420000
3	15.00	0.591	100	1594430000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.6X3.5X100	9008390000
	SDS 0.6X3.5X100	9008330000
Identification systems		
	DEK 5/7.5 MC NE WS	1720620000

Representative deratings curve

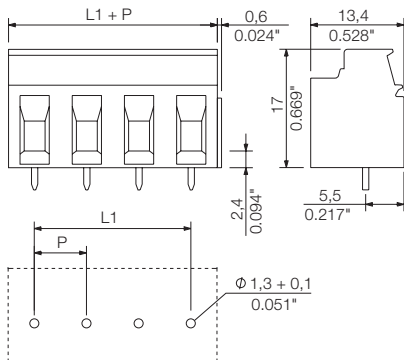


LPP 7.50/./90

with test point



Dimensioned drawing



Ordering data

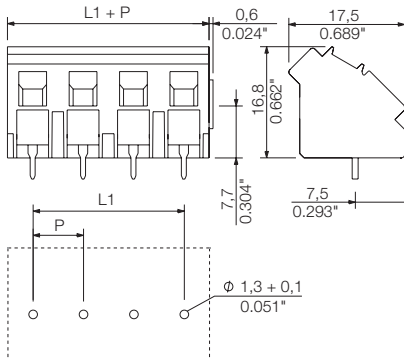
Solder pin length		3.2 mm	
Colour		Orange	
Pitch		7.50 mm	
Pol.	L1	(inch)	Qty. Order No.
2	7.50	0.295	100 1594440000
3	15.00	0.591	100 1594450000

LP 7.50/./135

with test point



Dimensioned drawing



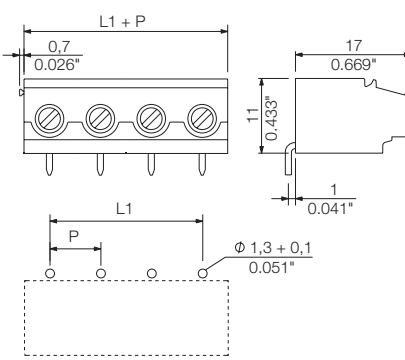
Ordering data

Solder pin length		3.2 mm	
Colour		Orange	
Pitch		7.50 mm	
Pol.	L1	(inch)	Qty. Order No.
2	7.50	0.295	100 1595770000
3	15.00	0.591	100 1595810000

LP 7.50/./180



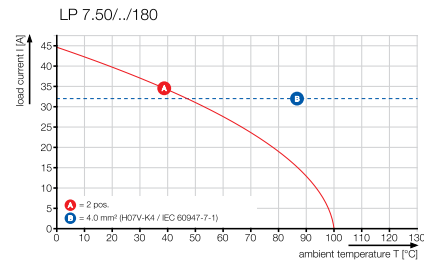
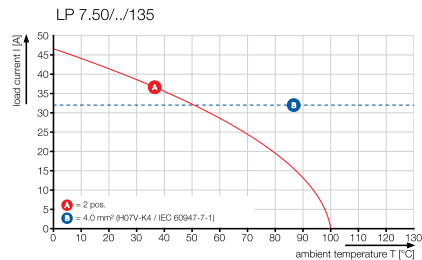
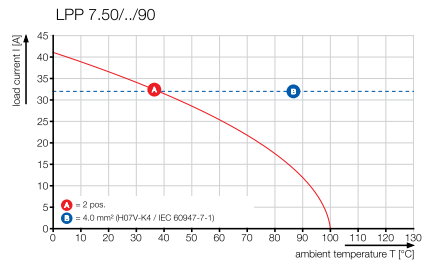
Dimensioned drawing



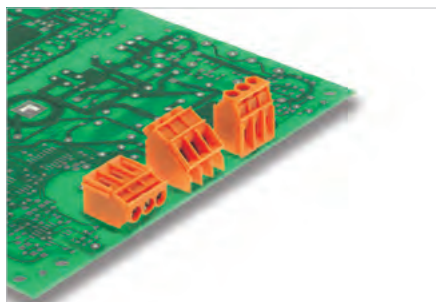
Ordering data

Solder pin length		3.2 mm	
Colour		Orange	
Pitch		7.50 mm	
Pol.	L1	(inch)	Qty. Order No.
2	7.50	0.295	100 1761370000
3	15.00	0.591	100 1761380000

Additional derating curves



LP 7.62



Single-row PCB terminal with our proven clamping yoke screw connection in 7.62 mm pitch, suitable for wire cross-sections up to 6.0 mm².

- Wire outlet direction: 90°, 135° and 180° versions.
- 90° and 135° versions optionally with integrated test point for test plug PS 2.0.
- Version with a wide variety of extra functions.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...6	
Solid core H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R		...6	
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	32	32
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	500	1000
Rated impulse voltage	kV	6	6
UL / CUL (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
CSA (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-2	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.75 x 0.9	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0.1	

Product data

IEC: 1000 V / 32 A / 0.5 - 6 mm²
UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

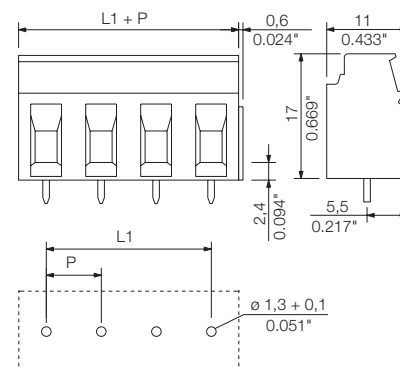
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LP 7.62/.. /90



Dimensioned drawing



Ordering data

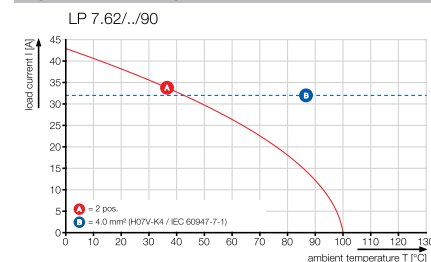
Solder pin length			3.2 mm	
Colour			Orange	
Pitch			7.62 mm	
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1594460000
3	15.24	0.600	100	1594470000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.6X3.5X100	9008390000
	SDS 0.6X3.5X100	9008330000
Identification systems		
	DEK 5/7.5 MC NE WS	1720620000

Representative deratings curve

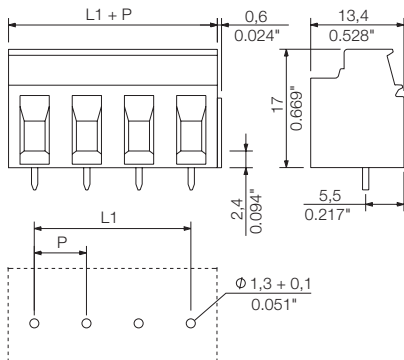


LPP 7.62/./90

with test point



Dimensioned drawing



Ordering data

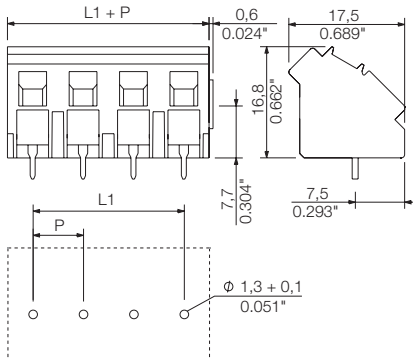
Solder pin length		3.2 mm		
Colour		Orange		
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1594480000
3	15.24	0.600	100	1594490000

LP 7.62/./135

with test point



Dimensioned drawing



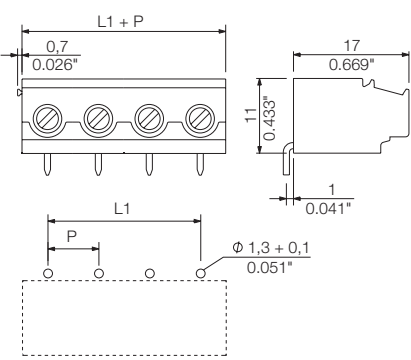
Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1595790000
3	15.24	0.600	100	1595830000

LP 7.62/./180



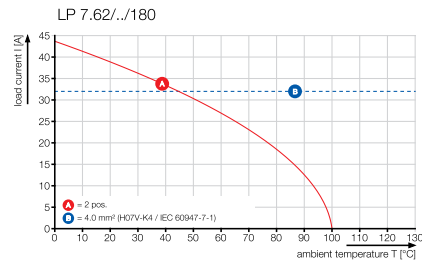
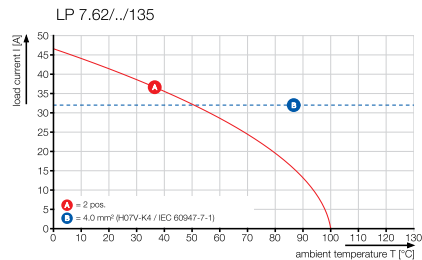
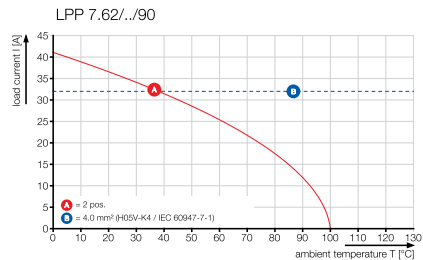
Dimensioned drawing



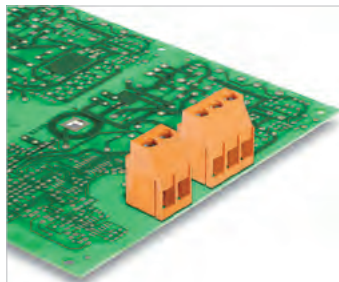
Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	1753890000
3	15.24	0.600	100	1753900000

Additional derating curves



LL 5.00 & LL 5.08



Single-row PCB terminal with our proven clamping yoke screw connection in 5.00 and 5.08 mm pitches, suitable for wire cross-sections up to 6.0 mm².

- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction of 90°.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²	0.08...6		
Solid core H05(07) V-U	mm ²	0.5...6		
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²	0.5...4		
Flexible with ferrule	mm ²	0.5...2.5		
Ferrule with plastic collar	mm ²	0.5...2.5		
Stripping length	mm	6		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current, max.	A	32.5	27.5	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²	2.5		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	500
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	20	10	
AWG conductor	AWG	28-12		
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	20	10	
AWG conductor	AWG	28-12		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.75 x 0.9		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0.1		

Product data

IEC: 500 V / 32.5 A / 0.5 - 6 mm²

UL: 300 V / 20 A / AWG 28 - 12



For additional articles and information, refer to catalog.weidmueller.com

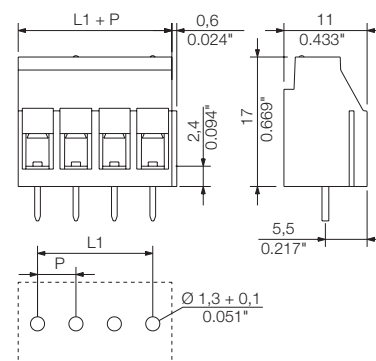
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LL 5.00/./90



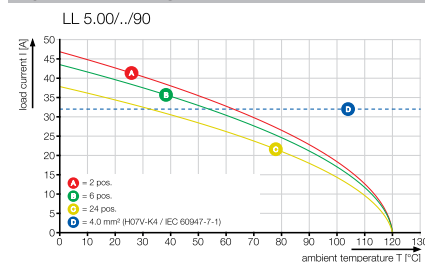
Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1934270000
3	10.00	0.394	100	1934280000
4	15.00	0.591	100	1001720000
5	20.00	0.788	50	1001730000
6	25.00	0.985	50	1001740000
7	30.00	1.182	50	1001750000
8	35.00	1.379	50	1001760000
9	40.00	1.576	50	1001770000
10	45.00	1.773	50	1001780000
11	50.00	1.970	50	1001790000
12	55.00	2.167	50	1001800000
13	60.00	2.364	50	1251330000
14	65.00	2.561	50	1001810000
15	70.00	2.758	50	1251340000
16	75.00	2.955	50	1001820000
17	80.00	3.152	20	1251350000
18	85.00	3.349	20	1251360000
19	90.00	3.546	20	1251370000
20	95.00	3.743	20	1251380000
21	100.00	3.940	20	1251390000
22	105.00	4.137	20	1251410000
23	110.00	4.334	20	1251420000
24	115.00	4.531	20	1001830000

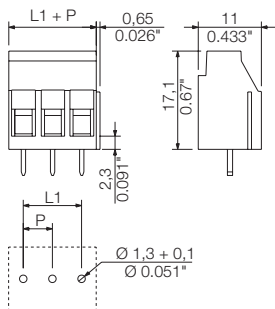
Representative deratings curve



LL 5.08/./90



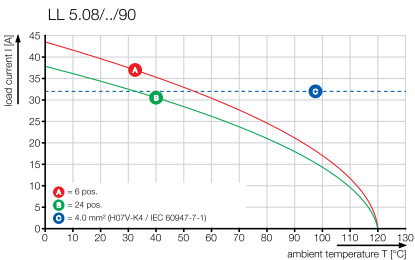
Dimensioned drawing



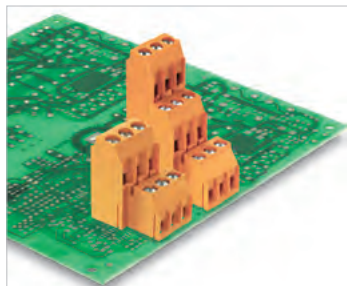
Ordering data

Solder pin length		3.2 mm	
Colour		Orange	
Pitch		5.08 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	100 1934250000
3	10.16	0.400	100 1934260000
4	15.24	0.600	100 1001850000
5	20.32	0.800	50 1001860000
6	25.40	1.000	50 1001870000
7	30.48	1.200	50 1001880000
8	35.56	1.400	50 1001890000
9	40.64	1.600	50 1001900000
10	45.72	1.800	50 1001910000
11	50.80	2.000	50 1001920000
12	55.88	2.200	50 1001930000
13	60.96	2.400	50 1001940000
14	66.04	2.600	50 1001950000
15	71.12	2.800	50 1001960000
16	76.20	3.000	50 1001970000
17	81.28	3.200	20 1001980000
18	86.36	3.400	20 1001990000
19	91.44	3.600	20 1002000000
20	96.52	3.800	20 1002010000
21	101.60	4.000	20 1002020000
22	106.68	4.200	20 1002030000
23	111.76	4.400	20 1002040000
24	116.84	4.600	20 1002050000

Additional deratings curves



LL 5.00, multi level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.00 mm pitch, suitable for wire cross-sections up to 6 mm².

- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction of 90°.
- Block construction can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...6	
Solid core H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	32.5	27.5
At ambient temperature	20°C	40°C	
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	28-12	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	28-12	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.75 x 0.9	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 500 V / 32.5 A / 0.5 - 6 mm²
UL: 300 V / 20 A / AWG 28 - 12



For additional articles and information, refer to catalog.weidmueller.com

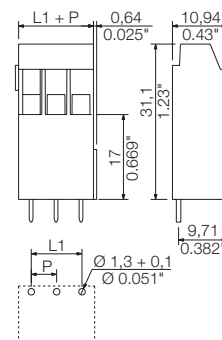
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LL1N 5.00../90



Dimensioned drawing



Accessories

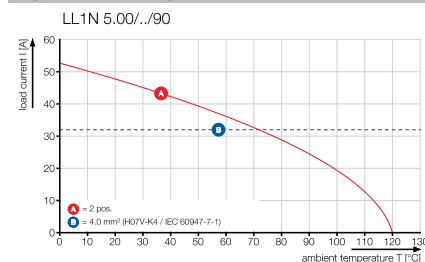
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000

Ordering data

Solder pin length		3.2 mm	
Colour		Orange	
Pitch	5.00 mm		
Pol.	L1	(inch)	Qty. Order No.
2	5.00	0.197	100 1975250000
3	10.00	0.394	100 1975260000
4	15.00	0.591	100 1975270000
5	20.00	0.788	50 1975280000
6	25.00	0.985	50 1975290000
7	30.00	1.182	50 1975300000
8	35.00	1.379	50 1975310000
9	40.00	1.576	50 1975320000
10	45.00	1.773	50 1975330000
11	50.00	1.970	50 1975340000
12	55.00	2.167	50 1975350000

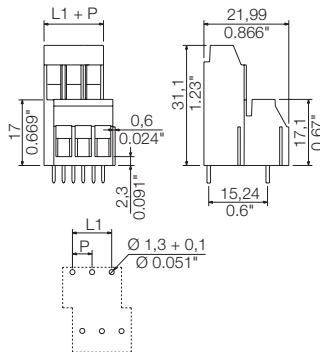
Representative deratings curve



LL2N 5.00/./90



Dimensioned drawing



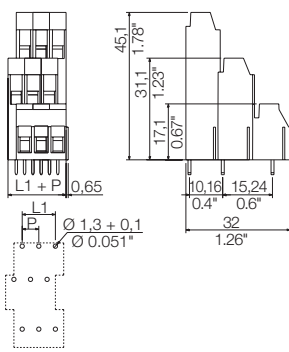
Ordering data

Solder pin length		3.2 mm			
Colour		Orange			
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	
4	10.00	0.197	50	1934310000	
8	15.00	0.591	50	1977260000	
12	25.00	0.985	50	1977280000	
16	35.00	1.379	20	1977310000	
20	45.00	1.773	20	1977330000	
24	55.00	2.167	10	1977350000	
28	65.00	2.561	10	1977370000	
32	75.00	2.955	10	1977390000	
36	85.00	3.349	10	1977410000	
40	95.00	3.743	10	1977430000	
44	105.00	4.137	10	1977450000	
48	115.00	4.531	10	1977470000	

LL3R 5.00/./90



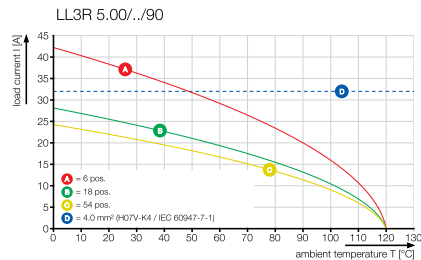
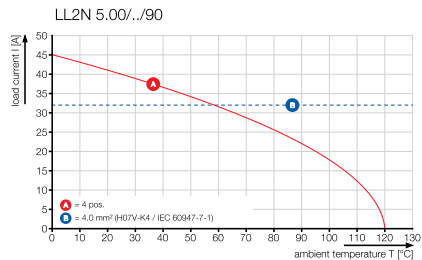
Dimensioned drawing



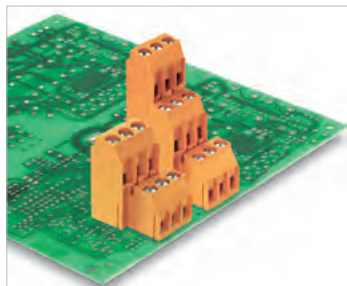
Ordering data

Solder pin length		3.2 mm			
Colour		Orange			
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	
6	5.00	0.197	50	1934360000	
12	15.00	0.591	50	1978850000	
18	25.00	0.985	25	1978870000	
24	35.00	1.379	20	1978890000	
30	45.00	1.773	10	1978910000	
36	55.00	2.167	10	1978930000	
42	65.00	2.561	10	1978950000	
48	75.00	2.955	10	1978970000	
54	85.00	3.349	10	1978990000	
60	95.00	3.743	5	1979010000	
66	105.00	4.137	5	1979030000	
72	115.00	4.531	5	1979050000	

Additional deratings curves



LL 5.08, multi level



Multi-level PCB terminal with our proven clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 6 mm².

- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction of 90°.
- Block construction can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...6	
Solid core H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	32.5	27.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	28-12	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	28-12	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.75 x 0.9	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 500 V / 32.5 A / 0.5 - 6 mm²
UL: 300 V / 20 A / AWG 28 - 12



For additional articles and information, refer to catalog.weidmueller.com

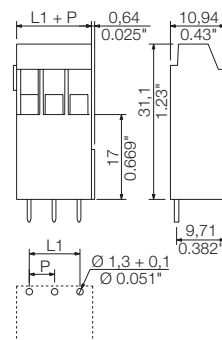
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LL1N 5.08../90



Dimensioned drawing



Accessories

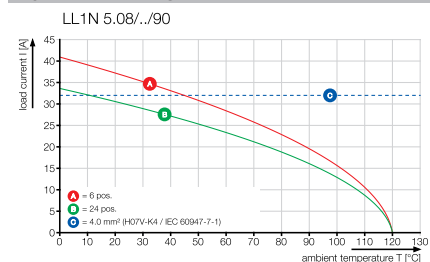
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000

Ordering data

Solder pin length		3.2 mm	
Colour		Orange	
Pitch	5.08 mm		
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	100 1975360000
3	10.16	0.400	100 1975370000
4	15.24	0.600	100 1975380000
5	20.32	0.800	50 1975390000
6	25.40	1.000	50 1975400000
7	30.48	1.200	50 1975410000
8	35.56	1.400	50 1975420000
9	40.64	1.600	50 1975430000
10	45.72	1.800	50 1975440000
11	50.80	2.000	50 1975460000
12	55.88	2.200	50 1975470000

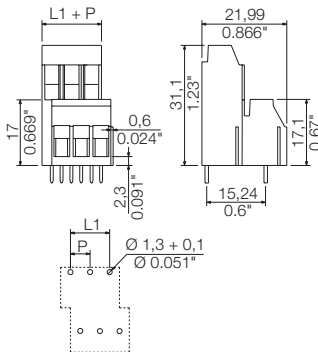
Representative deratings curve



LL2N 5.08/./90



Dimensioned drawing



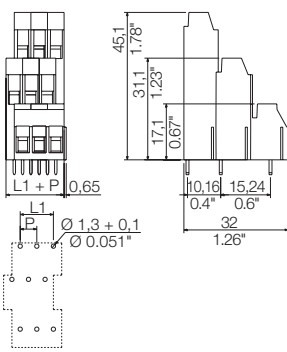
Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
8	15.24	0.600	50	1977480000
12	25.40	1.000	50	1977500000
16	35.56	1.400	20	1977520000
20	45.72	1.800	20	1977540000
24	55.88	2.200	10	1977560000
28	66.04	2.600	10	1977580000
32	76.20	3.000	10	1977600000
36	86.36	3.400	10	1977620000
40	96.52	3.800	10	1977640000
44	106.68	4.200	10	1977660000
48	116.84	4.600	10	1977680000

LL3R 5.08/./90



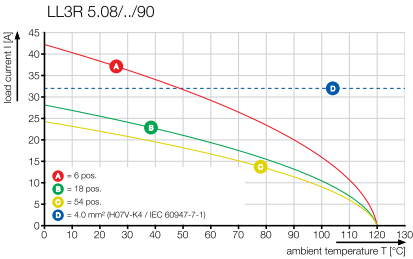
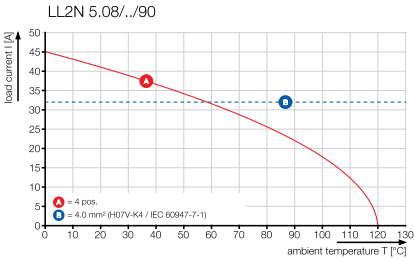
Dimensioned drawing



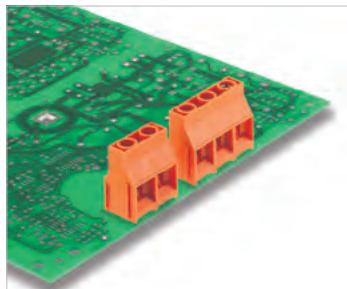
Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
6	5.08	0.200	50	1934340000
12	15.24	0.600	50	1979060000
18	25.40	1.000	25	1979080000
24	35.56	1.400	20	1979100000
30	45.72	1.800	10	1979120000
36	55.88	2.200	10	1979140000
42	66.04	2.600	10	1979160000
48	76.20	3.000	10	1979180000
54	86.36	3.400	10	1979200000
60	96.52	3.800	5	1979220000
66	106.68	4.200	5	1979240000
72	116.84	4.600	5	1979260000

Additional deratings curves



LL 9.52



Single-row PCB terminal with our proven clamping yoke screw connection in 9.52 mm pitch, suitable for wire cross-sections up to 6 mm².

- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction of 90°.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.18...6	
Solid core H05(07) V-U	mm ²	0.18...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.22...4	
Flexible with ferrule	mm ²	0.5...4	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.8 x 4.0	
According to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	32	32
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	4	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	690	1000
Rated impulse voltage	kV	8	6
UL / CUL (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	30	30
AWG conductor	AWG	26-10	
CSA (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	30	35
AWG conductor	AWG	26-10	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.5 x 1.0	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 1000 V / 32 A / 0.18 - 6 mm²
UL: 300 V / 30 A / AWG 26 - 10



For additional articles and information, refer to catalog.weidmueller.com

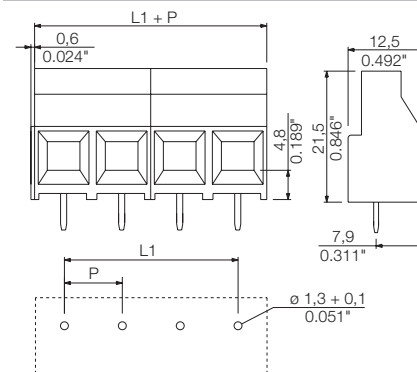
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LL 9.52/. /90



Dimensioned drawing



Ordering data

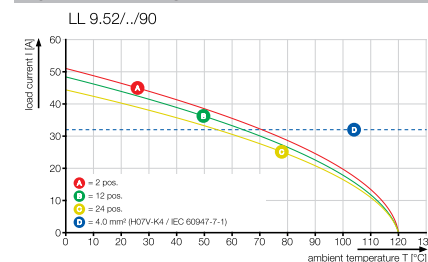
Solder pin length			5 mm	
Colour			Orange	
Pitch		9.52 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	9.52	0.375	100	1724680000
3	19.04	0.750	100	1724690000

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.	
	SDIS 0.8X4.0X100	9008400000	
	SDS 0.8X4.0X100	9008340000	
Crosshead screwdriver		Order No.	
	SDK PZ1	9008530000	

Representative deratings curve



- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction of 90°.
- Block construction can be aligned together for higher pole counts.

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²	0.18...6		
Solid core H05(07) V-U	mm²	0.18...6		
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²	0.22...4		
Flexible with ferrule	mm ²	0.5...2.5		
Ferrule with plastic collar	mm ²	0.5...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.8 x 4.0		
According to norm		DIN 5264		
Tightening torque range	Nm	0.5...0.6		
Rated current, max.	A	32	32	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²	4		
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	690	690	1000
Rated impulse voltage	kV	6	6	6
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	30	30	
AWG conductor	AWG	26-10		
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	30	30	
AWG conductor	AWG	26-10		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.5 x 1.0		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0.1		

Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDS 0.8x4.0x100	9008400000
	SDS 0.8x4.0x100	9008340000
Crosshead screwdriver		
	SDK PZ1	9008530000
		



Solder pin length				5 mm
Colour				Orange
Pitch		9.52 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	9.52	3.750	10	1926350000
8	28.56	11.250	10	1926360000
12	47.60	18.750	10	1926370000
16	66.64	26.250	5	1926380000
20	85.68	33.750	5	1926390000
24	104.72	41.250	5	1926400000

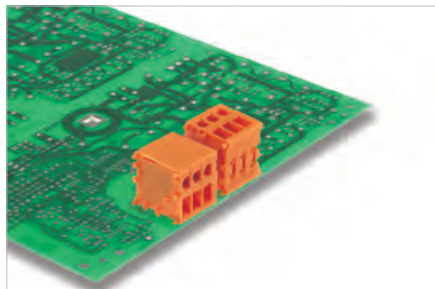
LL2N 9.52../90

load current I_A [A]

ambient temperature T_{amb} [°C]

A $\bullet$ = 2 pos.
 B $\bullet$ = 8 pos.
 C $\bullet$ = 4.0 mm³ (H07V-K4 / IEC 60947-7-1)

TOP 1.5GS../-5.08



PCB terminal with TOP screw connection, in 5.08 mm pitch, for wire cross-sections up to 2.5 mm².

- Wire entry and screw connection in the same direction.
- In versions with 90° (horizontal) or 180° (vertical) angle to PCB.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid core H05(07) V-U	mm ²	0.5...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...2.5	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	24	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	2.5	2.5
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-14	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-14	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-2	
Contact base material		CuZn	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8 x 1.0	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 630 V / 24 A / 0.5 - 2.5 mm²
UL: 300 V / 10 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

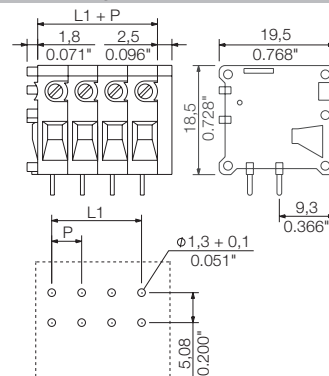
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

TOP 1.5GS../-90-5.08



Dimensioned drawing



Accessories

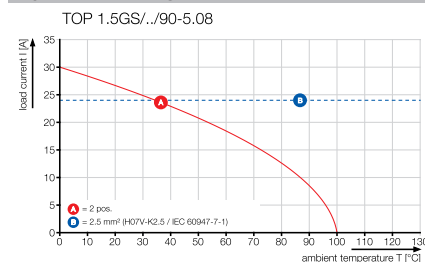
Note: Refer to the Accessories chapter for additional accessories.

Mounting block	Order No.
TOP1.5GS BB OR	1539860000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000

Ordering data

Solder pin length		3.5 mm		
Colour		Orange		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	0641960000
3	10.16	0.400	100	0642060000
4	15.24	0.600	50	0642160000
5	20.32	0.800	50	1578820000
6	25.40	1.000	50	0593860000
7	30.48	1.200	50	0593960000
8	35.56	1.400	50	0594060000
9	40.64	1.600	50	0594160000
10	45.72	1.800	50	0642260000
11	50.80	2.000	50	0594260000
12	55.88	2.200	50	0594360000
13	60.96	2.400	50	0594460000
14	66.04	2.600	50	0594560000
15	71.12	2.800	50	0594660000
16	76.20	3.000	20	0642360000
17	81.28	3.200	20	0594760000
18	86.36	3.400	20	1707040000
19	91.44	3.600	10	0594960000
20	96.52	3.800	10	0595060000
21	101.60	4.000	10	0595160000
22	106.68	4.200	10	0595260000
23	111.76	4.400	10	0595360000
24	116.84	4.600	10	0595460000

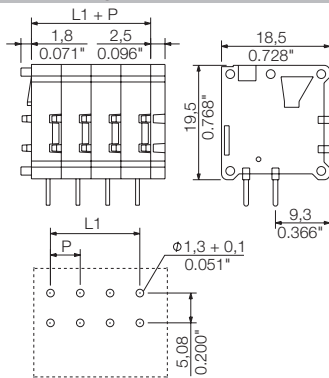
Representative deratings curve



TOP 1.5GS../180-5.08



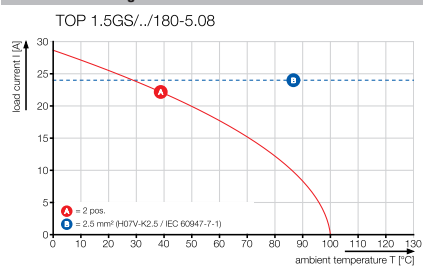
Dimensioned drawing



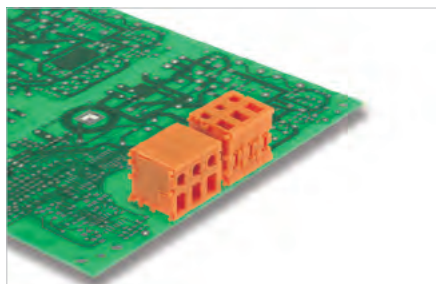
Ordering data

Solder pin length			4.5 mm	
Colour			Orange	
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	0569960000
3	10.16	0.400	100	0570160000
4	15.24	0.600	50	0570360000
5	20.32	0.800	50	0597360000
6	25.40	1.000	50	0597460000
7	30.48	1.200	50	1695700000
8	35.56	1.400	25	0597660000
9	40.64	1.600	20	1474660000
10	45.72	1.800	20	0570560000
11	50.80	2.000	20	1474760000
12	55.88	2.200	20	0597960000
13	60.96	2.400	20	1724740000
14	66.04	2.600	20	0598160000
15	71.12	2.800	20	1782490000
16	76.20	3.000	20	0570760000
17	81.28	3.200	20	0598360000
18	86.36	3.400	20	0598460000
19	91.44	3.600	20	0598560000
20	96.52	3.800	20	0598660000
21	101.60	4.000	10	0598760000
22	106.68	4.200	10	0598860000
23	111.76	4.400	10	0598960000
24	116.84	4.600	10	0599060000

Additional deratings curves



TOP 1.5GS../-7.62



PCB terminal with TOP screw connection, in 7.62 mm pitch, for wire cross-sections up to 2.5 mm².

- Wire entry and screw connection in the same direction.
- In versions with 90° (horizontal) or 180° (vertical) angle to PCB.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid core H05(07) V-U	mm ²	0.5...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...2.5	
Flexible with ferrule	mm ²	0.5...2.5	
Ferrule with plastic collar	mm ²	0.5...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	24	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	400	630 1000
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-14	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-2	
Contact base material		CuZn	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8 x 1.0	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 1000 V / 24 A / 0.5 - 2.5 mm²
UL: 300 V / 10 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

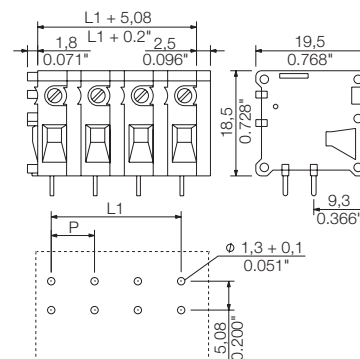
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

TOP 1.5GS../-90-7.62



Dimensioned drawing



Accessories

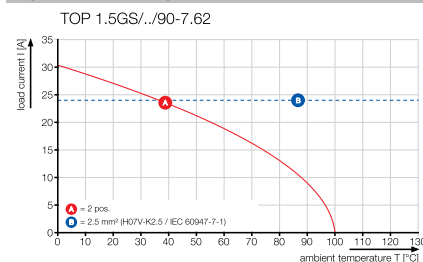
Note: Refer to the Accessories chapter for additional accessories.

Mounting block	Order No.
TOP1.5GS BB OR	1539860000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000

Ordering data

Solder pin length		3.5 mm		
Colour		Orange		
Pitch	7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	0393360000
3	15.24	0.600	100	0393460000
4	22.86	0.900	50	0393560000
5	30.48	1.200	25	0393660000
6	38.10	1.500	20	1683990000
7	45.72	1.800	20	1647310000
8	53.34	2.100	20	0642460000
9	60.96	2.400	20	0393960000
10	68.58	2.700	20	0642560000
11	76.20	3.000	20	0394060000
12	83.82	3.300	20	0394160000

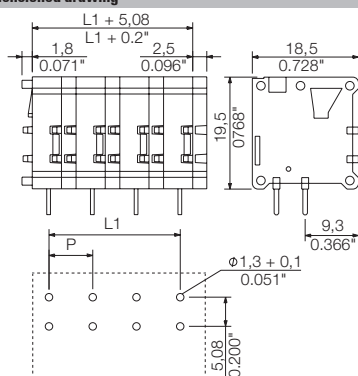
Representative deratings curve



TOP 1.5GS../180-7.62



Dimensioned drawing

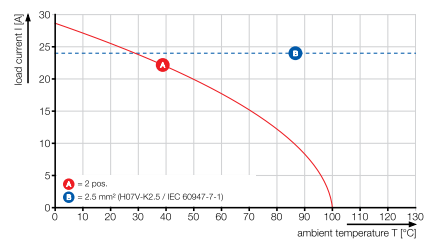


Ordering data

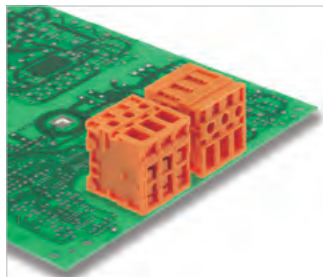
Solder pin length				4.5 mm
Colour				Orange
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	100	0391360000
3	15.24	0.600	50	0391460000
4	22.86	0.900	50	0391560000
5	30.48	1.200	25	1490460000
6	38.10	1.500	25	1597060000
7	45.72	1.800	25	1597070000
8	53.34	2.100	20	0570960000
9	60.96	2.400	20	1597080000
10	68.58	2.700	20	0571160000
11	76.20	3.000	20	1597090000
12	83.82	3.300	20	0392160000

Additional deratings curves

TOP 1.5GS../180-7.62



TOP 4GS/./-6.35



PCB terminal with TOP screw connection, in 6.35 mm pitch, for wire cross-sections up to 6.0 mm².

- Wire entry and screw connection in the same direction.
- In versions with 90° (horizontal) or 180° (vertical) angle to PCB.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...6	
Solid core H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...4	
Ferrule with plastic collar	mm ²	0.5...4	
Stripping length	mm	13	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	32	32
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	4	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	320	320 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	30	10
AWG conductor	AWG	26-10	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	30	10
AWG conductor	AWG	26-10	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-2	
Contact base material		E-Cu	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8 x 0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 32 A / 0.5 - 6 mm²
UL: 300 V / 30 A / AWG 26 - 10



For additional articles and information, refer to catalog.weidmueller.com

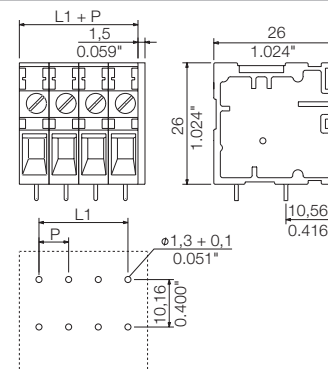
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

TOP 4GS/./90-6.35



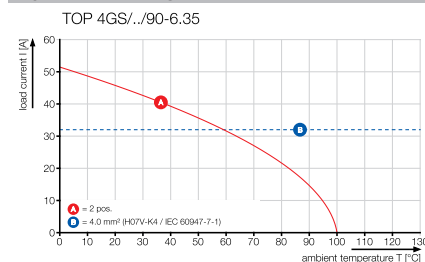
Dimensioned drawing



Ordering data

Solder pin length		3.5 mm	
Colour		Orange	
Pitch	6.35 mm		
Pol.	L1	(inch)	Qty. Order No.
2	6.35	0.250	100 1401760000
3	12.70	0.500	100 1650300000
4	19.05	0.750	50 1786030000
5	25.40	1.000	50 1786040000
6	31.75	1.250	50 1786050000
7	38.10	1.500	50 1786060000
8	44.45	1.750	50 1667910000
9	50.80	2.000	50 1786070000
10	57.15	2.250	50 1786080000
11	63.50	2.500	50 1786090000
12	69.85	2.750	50 1786100000

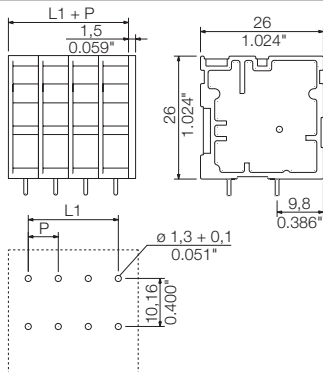
Representative deratings curve



TOP 4GS../180-6.35



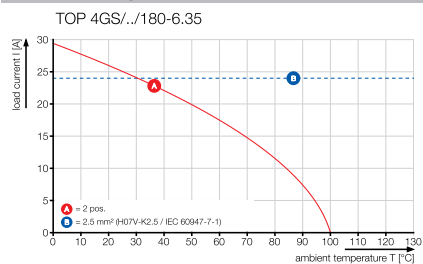
Dimensioned drawing



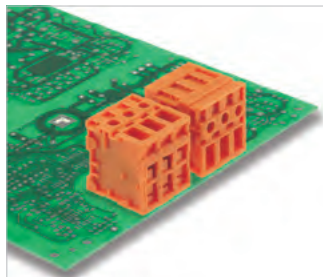
Ordering data

Solder pin length				3.5 mm
Colour				Orange
Pitch		6.35 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	6.35	0.250	100	1786190000
3	12.70	0.500	100	1786200000
4	19.05	0.750	50	1786210000
5	25.40	1.000	50	1786220000
6	31.75	1.250	50	1786230000
7	38.10	1.500	50	1786240000
8	44.45	1.750	50	1786250000
9	50.80	2.000	50	1786260000
10	57.15	2.250	50	1786270000
11	63.50	2.500	50	1786280000
12	69.85	2.750	50	1786290000

Additional deratings curves



TOP 4GS/..-7.62



PCB terminal with TOP screw connection, in 7.62 mm pitch, for wire cross-sections up to 6.0 mm².

- Wire entry and screw connection in the same direction.
- In versions with 90° (horizontal) or 180° (vertical) angle to PCB.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...6	
Solid core H05(07) V-U	mm ²	0.5...6	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...4	
Flexible with ferrule	mm ²	0.5...4	
Ferrule with plastic collar	mm ²	0.5...4	
Stripping length	mm	13	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.5...0.6	
Rated current, max.	A	32	32
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	4	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	500	1000
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	30	10
AWG conductor	AWG	26-10	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	30	10
AWG conductor	AWG	26-10	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-2	
Contact base material		E-Cu	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8 x 0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 1000 V / 32 A / 0.5 - 6 mm²
UL: 300 V / 30 A / AWG 26 - 10



For additional articles and information, refer to catalog.weidmueller.com

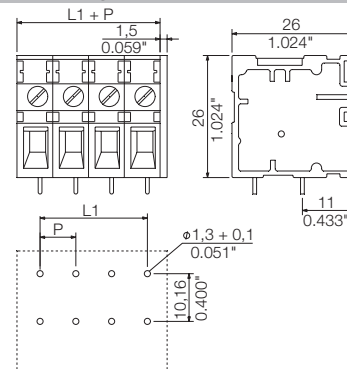
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

TOP 4GS/..90-7.62



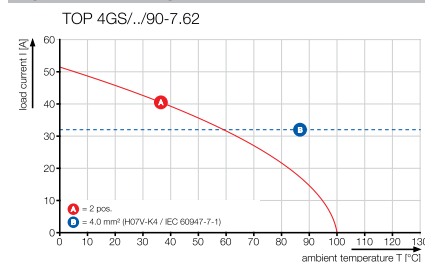
Dimensioned drawing



Ordering data

Solder pin length		3.5 mm		
Colour		Orange		
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	50	0289660000
3	15.24	0.600	50	0289760000
4	22.86	0.900	50	0290160000
5	30.48	1.200	50	1698740000
6	38.10	1.500	50	1786410000
7	45.72	1.800	50	1647300000
8	53.34	2.100	50	1786420000
9	60.96	2.400	50	1786430000
10	68.58	2.700	50	1786440000
11	76.20	3.000	50	1759860000
12	83.82	3.300	50	1786450000

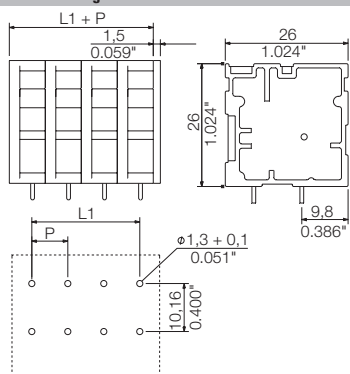
Representative deratings curve



TOP 4GS../180-7.62



Dimensioned drawing

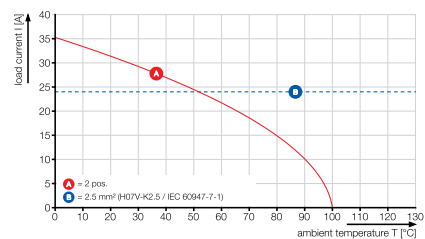


Ordering data

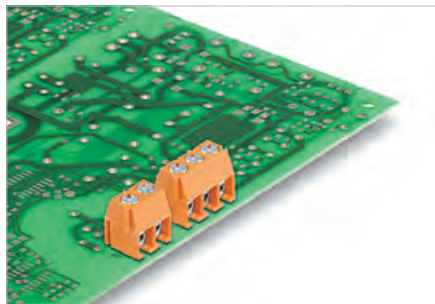
Solder pin length		3.5 mm		
Colour		Orange		
Pitch		7.62 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	7.62	0.300	50	0298360000
3	15.24	0.600	50	0298460000
4	22.86	0.900	50	0298560000
5	30.48	1.200	50	1786540000
6	38.10	1.500	50	1494560000
7	45.72	1.800	50	1786550000
8	53.34	2.100	50	1786560000
9	60.96	2.400	50	1571700000
10	68.58	2.700	50	1786570000
11	76.20	3.000	50	1786580000
12	83.82	3.300	50	1749170000

Additional deratings curves

TOP 4GS../180-7.62



PS 3.5/..90



Very compact PCB terminal with pressure-clamp screw connection, in 3.5 mm pitch for wire cross-sections up to 1.5 mm².

- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction of 90°.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...1.5	
Solid core H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...0.75	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	4	
Screwdriver blade	mm	0.4 x 2.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.2...0.25	
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	0.75	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-16	
CSA (Use Group)		B	C D
Rated voltage	V	300	
Rated current	A	10	
AWG conductor	AWG	28-16	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 16



For additional articles and information, refer to catalog.weidmueller.com

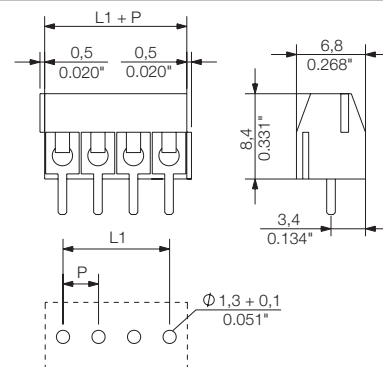
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- The data given under CSA relates to a cUL approval - E60693
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

PS 3.5/..90



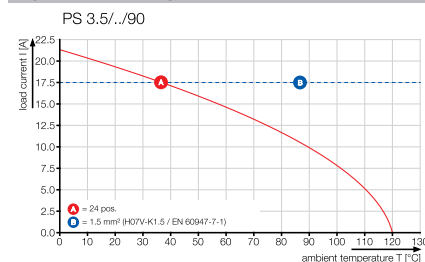
Dimensioned drawing



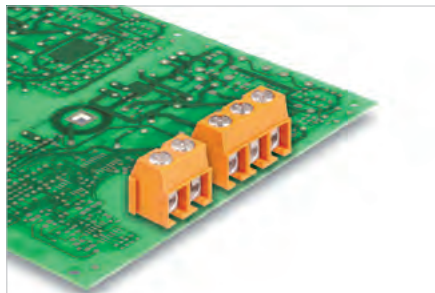
Ordering data

Solder pin length		3.5 mm		
Colour		Orange		
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1912320000
3	7.00	0.276	100	1912330000
4	10.50	0.413	100	1912340000
5	14.00	0.551	100	1912350000
6	17.50	0.689	100	1912360000
7	21.00	0.827	100	1912370000
8	24.50	0.965	100	1912380000
9	28.00	1.102	100	1912390000
10	31.50	1.240	100	1912400000
11	35.00	1.378	100	1912410000
12	38.50	1.516	100	1912420000

Representative deratings curve



PM 5.00/./90



PCB terminal with pressure-clamp screw connection in 5.00 and 5.08 mm pitches for wire cross-sections up to 2.5 mm².

- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction of 90°.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid core H05(07) V-U	mm ²	0.13...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.13...2.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	24	24
At ambient temperature	20°C	40°C	
For conductor cross-section	mm ²	1.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	600
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-14	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 600 V / 24 A / 0.13 - 2.5 mm²
UL: 300 V / 15 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

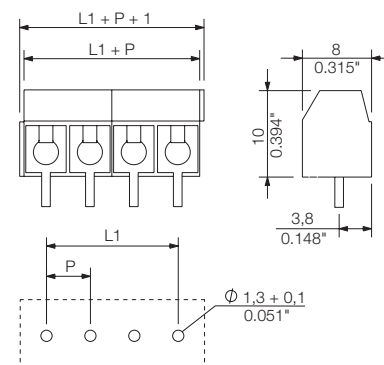
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- The data given under CSA relates to a cUL approval - E60693
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

PM 5.00/./90



Dimensioned drawing



Ordering data

Solder pin length		3.5 mm	
Colour		Orange	
Pitch	5.00 mm		
Pol.	L1	(inch)	Qty. Order No.
2	5.00	0.197	500 1791610000
3	10.00	0.394	500 1791620000
4	15.00	0.591	100 1234650000
5	20.00	0.787	100 1234670000
6	10.00	0.394	100 1234680000
7	30.00	1.181	100 1234690000
8	35.00	1.378	100 1234700000
9	40.00	1.575	100 1234710000
10	45.00	1.772	100 1234720000
11	50.00	1.969	100 1234730000
12	55.00	2.165	100 1234740000

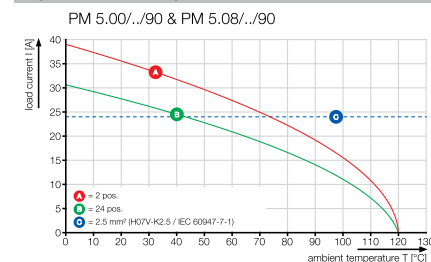
Accessories

Note: Refer to the Accessories chapter for additional accessories.

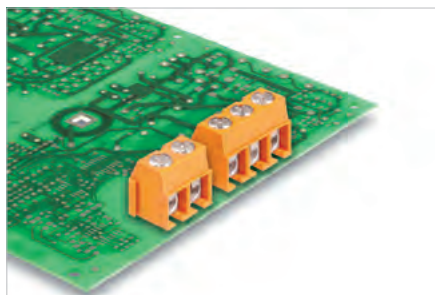
Screwdriver	Order No.
SDIS 0.6X3.5X100	9008390000



Representative deratings curve



PM 5.08/./90



PCB terminal with pressure-clamp screw connection in 5.00 and 5.08 mm pitches for wire cross-sections up to 2.5 mm².

- Increased derating reserves because WEMID insulating material is used.
- Wire outlet direction of 90°.
- 2- and 3-pole block construction can be aligned together for higher pole counts.

Product data

IEC: 600 V / 24 A / 0.13 - 2.5 mm²

UL: 300 V / 15 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

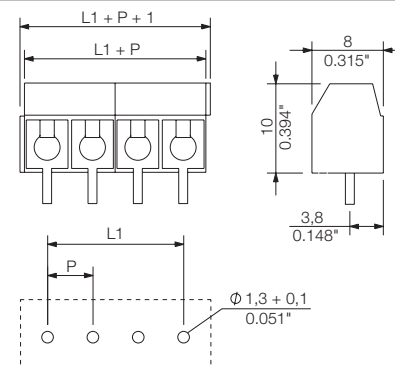
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- The data given under CSA relates to a cUL approval - E60693
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

PM 5.08/./90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...2.5
Solid core H05(07) V-U	mm ²	0.13...2.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.13...2.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...1.5
Stripping length	mm	6
Screwdriver blade	mm	0.6 x 3.5
According to norm		DIN 5264
Tightening torque range	Nm	0.4...0.5
Rated current, max.	A	24 24
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	1.5
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	250 250 600
Rated impulse voltage	kV	4 4 4
UL / CUL (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	15 10
AWG conductor	AWG	26-14
CSA (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	15 10
AWG conductor	AWG	26-14
General data		
Type of insulation material		Wemid (PA)
UL 94 flammability rating		V-0
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	1.0
Solder eyelet Ø = D	mm	1.3
Solder eyelet Ø tolerance	mm	+ 0.1

Accessories

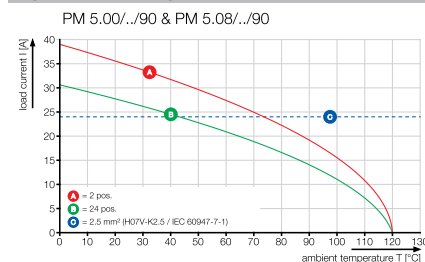
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SDIS 0.6X3.5X100	9008390000

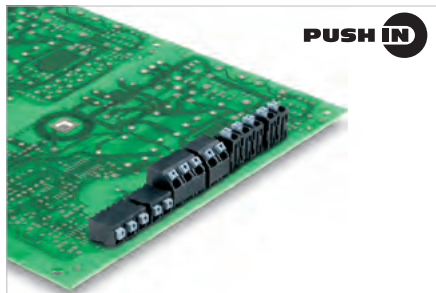
Ordering data

Solder pin length		3.5 mm	
Colour		Orange	
Pitch	5.08 mm		
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	500 1760490000
3	10.16	0.400	500 1760500000
4	15.24	0.600	100 1234550000
5	20.32	0.800	100 1234570000
6	25.40	1.000	100 1234580000
7	30.48	1.200	100 1234590000
8	35.56	1.400	100 1234600000
9	40.64	1.600	100 1234610000
10	45.72	1.800	100 1234620000
11	50.80	2.000	100 1234630000
12	55.88	2.200	100 1234640000

Representative deratings curve



LSF-SMT 3.5/..90



PCB terminal for fully automatic assembly, in 3.5 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 90°.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	
According to norm		
Tightening torque range	Nm	
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	1.5
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	160 160 320
Rated impulse voltage	kV	2.5 2.5 2.5
UL / CUL (Use Group)	B C D	D

Rated voltage	V	300 300
Rated current	A	12 10
AWG conductor	AWG	24-16
CSA (Use Group)	B C D	D

Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	24-16
General data		
Type of insulation material		LCP GF
UL 94 flammability rating		V-0
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	0.35 x 0.8
Solder eyelet Ø = D	mm	1.1
Solder eyelet Ø tolerance	mm	+ 0.1

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

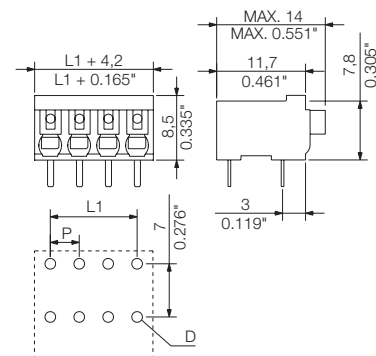
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 3.5/..90

Reflow-compatible PCB Terminal



Dimensioned drawing



Accessories

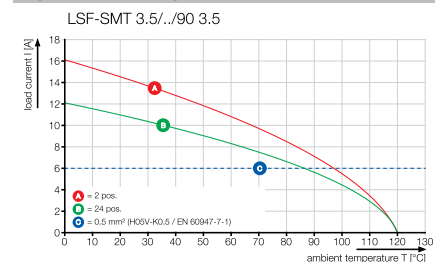
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000

Ordering data

Soldier pin length				1.5 mm	3.5 mm
Colour				Black	Black
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	71	1870500000	1824420000
3	7.00	0.276	49	1870530000	1824430000
4	10.50	0.413	37	1870550000	1824440000
5	14.00	0.551	30	1870580000	1824450000
6	17.50	0.689	25	1870590000	1824460000
7	21.00	0.827	21	1871020000	1824470000
8	24.50	0.965	19	1871030000	1824480000
9	28.00	1.102	17	1871040000	1824490000
10	31.50	1.240	15	1871050000	1824500000
11	35.00	1.378	14	1871060000	1824510000
12	38.50	1.516	12	1871070000	1824520000
13	42.00	1.654	11	1871080000	1870380000
14	45.50	1.791	11	1871090000	1870390000
15	49.00	1.929	10	1871100000	1870400000
16	52.50	2.067	9	1871110000	1870410000
17	56.00	2.205	9	1871120000	1870420000
18	59.50	2.343	8	1871130000	1870430000
19	63.00	2.480	8	1871140000	1870440000
20	66.50	2.618	7	1871150000	1870450000
21	70.00	2.756	7	1871160000	1870460000
22	73.50	2.894	7	1871170000	1870470000
23	77.00	3.031	6	1871180000	1870480000
24	80.50	3.169	6	1871190000	1870490000

Representative deratings curve



LSF-SMT 3.5/./90 Tape

Reflow-compatible PCB Terminal



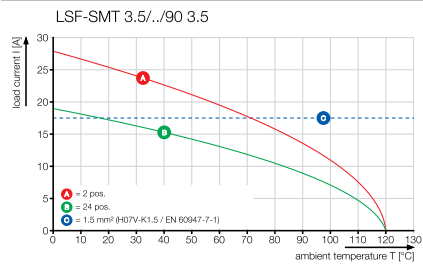
Dimensioned drawing

Ordering data

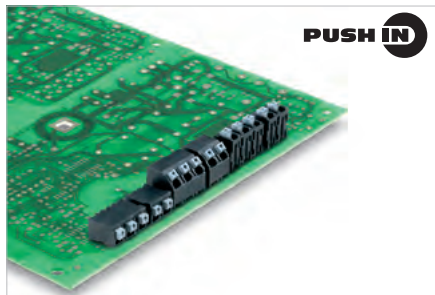
Solder pin length				1.5 mm		3.5 mm	
Colour				Black		Black	
Pitch				3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	3.50	0.138	265	1874690000	1874990000		
3	7.00	0.276	265	1874710000	1875030000		
4	10.50	0.413	265	1874730000	1875050000		
5	14.00	0.551	265	1874740000	1875070000		
6	17.50	0.689	265	1874810000	1875080000		
7	21.00	0.827	265	1874840000	1875100000		
8	24.50	0.965	265	1874890000	1875110000		
9	28.00	1.102	265	1874900000	1875120000		
10	31.50	1.240	265	1874930000	1875130000		
11	35.00	1.378	265	1874940000	1875140000		
12	38.50	1.516	265	1874970000	1875160000		

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 3.5/.. /135



PUSH IN

PCB terminal for fully automatic assembly, in 3.5 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 135°.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	
According to norm		
Tightening torque range	Nm	
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	1.5
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	160 160 320
Rated impulse voltage	kV	2.5 2.5 2.5
UL / CUL (Use Group)	B C D	D
Rated voltage	V	300 300
Rated current	A	12 10
AWG conductor	AWG	24-16
CSA (Use Group)	B C D	D
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	24-16
General data		
Type of insulation material		LCP GF
UL 94 flammability rating		V-0
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	0.35 x 0.8
Solder eyelet Ø = D	mm	1.1
Solder eyelet Ø tolerance	mm	+ 0,1

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

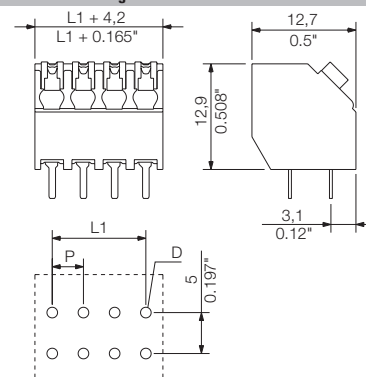
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 3.5/.. /135

Reflow-compatible PCB Terminal



Dimensioned drawing



Accessories

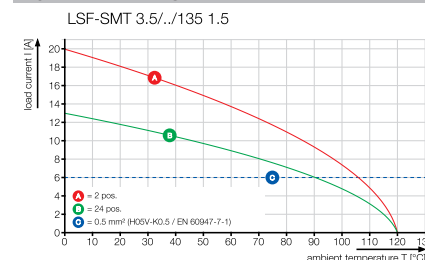
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SDIS 0.4X2.5X75	9008370000
SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				Black	Black
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	71	1885180000	1885650000
3	7.00	0.276	49	1885190000	1885660000
4	10.50	0.413	37	1885200000	1885670000
5	14.00	0.551	30	1885210000	1885680000
6	17.50	0.689	25	1885220000	1885690000
7	21.00	0.827	21	1885230000	1885700000
8	24.50	0.965	19	1885240000	1885710000
9	28.00	1.102	17	1885250000	1885720000
10	31.50	1.240	15	1885260000	1885730000
11	35.00	1.378	14	1885270000	1885740000
12	38.50	1.516	12	1885280000	1885750000
13	42.00	1.654	11	1885290000	1885760000
14	45.50	1.791	11	1885300000	1885770000
15	49.00	1.929	10	1885310000	1885780000
16	52.50	2.067	9	1885320000	1885790000
17	56.00	2.205	9	1885330000	1885800000
18	59.50	2.343	8	1885340000	1885810000
19	63.00	2.480	8	1885350000	1885820000
20	66.50	2.618	7	1885360000	1885830000
21	70.00	2.756	7	1885370000	1885840000
22	73.50	2.894	7	1885380000	1885850000
23	77.00	3.031	6	1885390000	1885860000
24	80.50	3.169	6	1885400000	1885870000

Representative deratings curve



LSF-SMT 3.5/./135 Tape

Reflow-compatible PCB Terminal



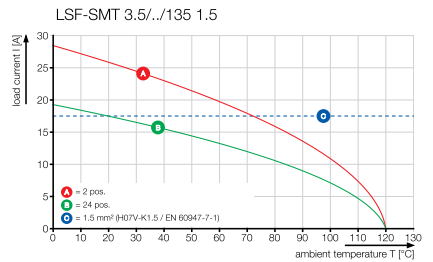
Dimensioned drawing

Ordering data

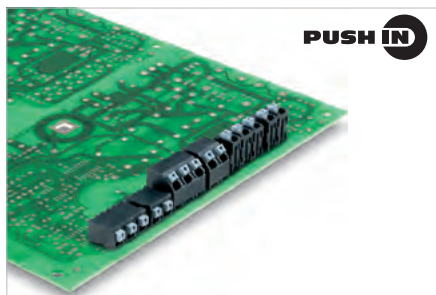
Solder pin length				1.5 mm		3.5 mm	
Colour				Black		Black	
Pitch				3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	3.50	0.138	190	1887550000	1887340000		
3	7.00	0.276	190	1887560000	1887350000		
4	10.50	0.413	190	1887580000	1887360000		
5	14.00	0.551	190	1887630000	1887460000		
6	17.50	0.689	190175	1887640000	1887470000		
7	21.00	0.827	190	1887650000	1887480000		
8	24.50	0.965	190	1887660000	1887490000		
9	28.00	1.102	190	1887670000	1887500000		
10	31.50	1.240	190	1887680000	1887510000		
11	35.00	1.378	190	1887690000	1887520000		
12	38.50	1.516	190	1887700000	1887530000		

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 3.5/./180



PCB terminal for fully automatic assembly, in 3.5 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 180°.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	

According to norm

Tightening torque range	Nm	
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C 40°C	

For conductor cross-section	mm ²	1.5
Overvoltage category	III	III II
Pollution severity	3	2 2

Rated voltage	V	160 160 320
Rated impulse voltage	kV	2.5 2.5 2.5

UL / CUL (Use Group)	B C D	D
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Rated voltage	V	300 300
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Rated current	A	12 10
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AWG conductor	AWG	24-16
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CSA (Use Group)	B C D	D
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Rated voltage	V	300 300
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Rated current	A	10 10
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AWG conductor	AWG	24-16
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General data

Type of insulation material	LCP GF	
UL 94 flammability rating	V-0	
Contact base material	Cu-Leg	
Material of contact surface	tinned	
Pin dimensions = d	mm	0.35 x 0.8
Solder eyelet Ø = D	mm	1.1
Solder eyelet Ø tolerance	mm	+ 0.1

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²

UL: 300 V / 12 A / AWG 24 - 16



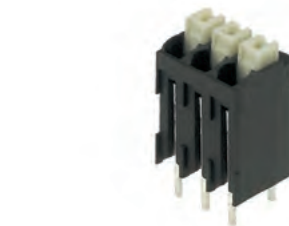
For additional articles and information, refer to catalog.weidmueller.com

Note:

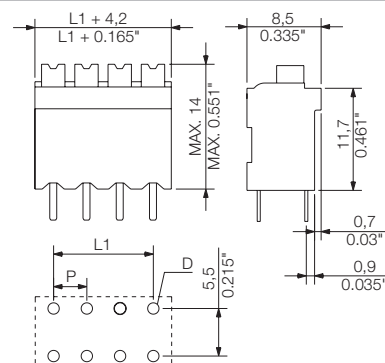
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 3.5/./180

Reflow-compatible PCB Terminal



Dimensioned drawing



Accessories

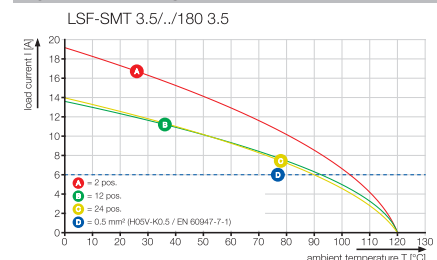
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
SDIS 0.4X2.5X75		9008370000
SDS 0.4X2.5X75		9009030000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				Black	Black
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	71	1870640000	1825640000
3	7.00	0.276	49	1870650000	1825650000
4	10.50	0.413	37	1870660000	1825660000
5	14.00	0.551	30	1870670000	1825670000
6	17.50	0.689	25	1870680000	1825680000
7	21.00	0.827	21	1870690000	1825690000
8	24.50	0.965	19	1870700000	1825700000
9	28.00	1.102	17	1870710000	1825710000
10	31.50	1.240	15	1870720000	1825720000
11	35.00	1.378	14	1870730000	1825730000
12	38.50	1.516	12	1870740000	1825740000
13	42.00	1.654	11	1870750000	1870350000
14	45.50	1.791	11	1870760000	1870360000
15	49.00	1.929	10	1870770000	1870370000
16	52.50	2.067	9	1870790000	1870510000
17	56.00	2.205	9	1870800000	1870520000
18	59.50	2.343	8	1870830000	1870540000
19	63.00	2.480	8	1870840000	1870560000
20	66.50	2.618	7	1870850000	1870570000
21	70.00	2.756	7	1870860000	1870600000
22	73.50	2.894	7	1870870000	1870610000
23	77.00	3.031	6	1870880000	1870620000
24	80.50	3.169	6	1870890000	1870630000

Representative deratings curve



LSF-SMT 3.5/./180 Tape

Reflow-compatible PCB Terminal



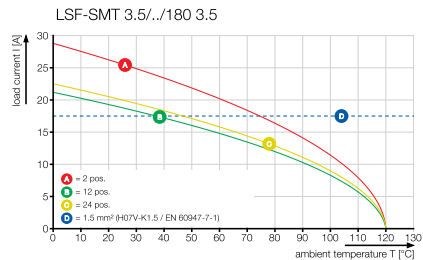
Dimensioned drawing

Ordering data

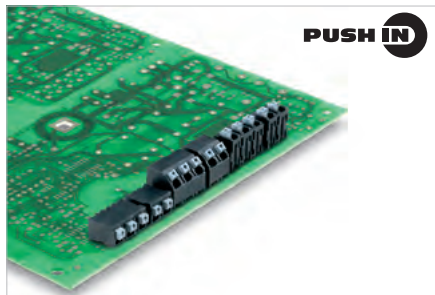
Solder pin length				1.5 mm		3.5 mm	
Colour				Black		Black	
Pitch				3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	3.50	0.138	175	1874490000	1874510000		
3	7.00	0.276	175	1874300000	1874520000		
4	10.50	0.413	175	1874280000	1874540000		
5	14.00	0.551	175	1874310000	1874560000		
6	17.50	0.689	175	1874320000	1874590000		
7	21.00	0.827	175	1874340000	1874600000		
8	24.50	0.965	175	1874350000	1874610000		
9	28.00	1.102	175	1874370000	1874620000		
10	31.50	1.240	175	1874380000	1874640000		
11	35.00	1.378	175	1874400000	1874660000		
12	38.50	1.516	175	1874420000	1874680000		

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 3.81/./90



PCB terminal for fully automatic assembly, in 3.81 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 90°.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	
According to norm		
Tightening torque range	Nm	
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C 40°C	
For conductor cross-section	mm ²	1.5
Overvoltage category	III III II	
Pollution severity	3 2 2	
Rated voltage	V	160 160 320
Rated impulse voltage	kV	2.5 2.5 2.5
UL / CUL (Use Group)	B C D	D
Rated voltage	V	300 300
Rated current	A	12 10
AWG conductor	AWG	24-16
CSA (Use Group)	B C D	D
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	24-16
General data		
Type of insulation material		LCP GF
UL 94 flammability rating		V-0
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	0.35 x 0.8
Solder eyelet Ø = D	mm	1.1
Solder eyelet Ø tolerance	mm	+ 0,1

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmuller.com

Note:

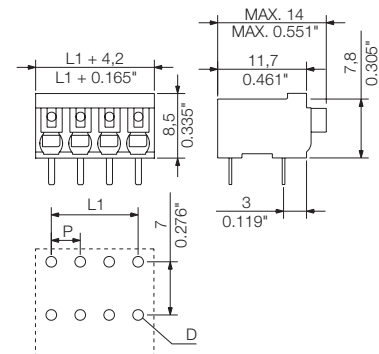
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 3.81/./90

Reflow-compatible PCB Terminal



Dimensioned drawing



Accessories

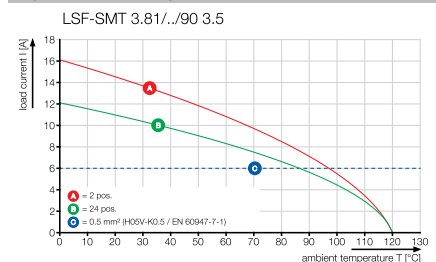
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SDIS 0.4X2.5X75	9008370000
SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				Black	Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	69	1869360000	1824620000
3	7.62	0.300	46	1869370000	1824630000
4	11.43	0.450	35	1869380000	1824640000
5	15.24	0.600	28	1869390000	1824650000
6	19.05	0.750	23	1869400000	1824660000
7	22.86	0.900	20	1869410000	1824690000
8	26.67	1.050	17	1869420000	1824700000
9	30.48	1.200	15	1869430000	1824710000
10	34.29	1.350	14	1869440000	1824720000
11	38.10	1.500	13	1869450000	1824730000
12	41.91	1.650	12	1869460000	1825300000
13	45.72	1.800	11	1869470000	1871200000
14	49.53	1.950	10	1869480000	1871210000
15	53.34	2.100	9	1869500000	1871220000
16	57.15	2.250	9	1869510000	1871230000
17	60.96	2.400	8	1869520000	1871240000
18	64.77	2.550	8	1869530000	1871250000
19	68.58	2.700	7	1869540000	1871260000
20	72.39	2.850	7	1869550000	1871270000
21	76.20	3.000	6	1869560000	1871280000
22	80.01	3.150	6	1869570000	1871290000
23	83.82	3.300	6	1869580000	1871300000
24	87.63	3.450	6	1869590000	1871310000

Representative deratings curve



LSF-SMT 3.81/./90 Tape

Reflow-compatible PCB Terminal



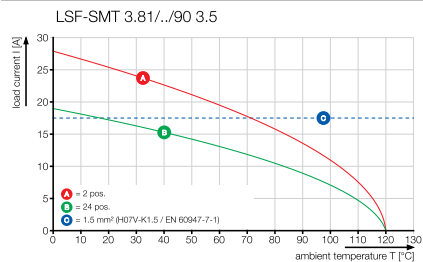
Dimensioned drawing

Ordering data

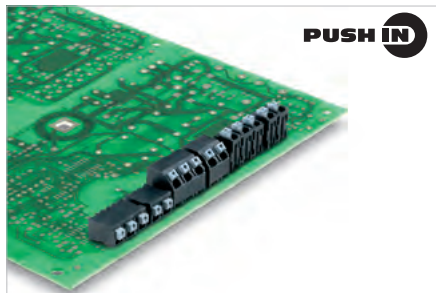
Solder pin length			1.5 mm		3.5 mm	
Colour			Black		Black	
Pitch			3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	3.81	0.150	265	1875170000	1875920000	
3	7.62	0.300	265	1875230000	1875930000	
4	11.43	0.450	265	1875240000	1875940000	
5	15.24	0.600	265	1875250000	1875950000	
6	19.05	0.750	265	1875260000	1875960000	
7	22.86	0.900	265	1875270000	1875970000	
8	26.67	1.050	265	1875280000	1875980000	
9	30.48	1.200	265	1875290000	1875990000	
10	34.29	1.350	265	1875300000	1876000000	
11	38.10	1.500	265	1875310000	1876010000	

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 3.81../135



PCB terminal for fully automatic assembly, in 3.81 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 135°.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	

According to norm

Tightening torque range	Nm	
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C	40°C

For conductor cross-section	mm ²	1.5
Overvoltage category		III III II
Pollution severity		3 2 2

Rated voltage	V	160 160 320
Rated impulse voltage	kV	2.5 2.5 2.5

UL / CUL (Use Group)	B C D	D
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Rated voltage	V	300 300
Rated current	A	12 10

AWG conductor	AWG	24-16
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CSA (Use Group)	B C D	D
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Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	24-16

General data

Type of insulation material		LCP GF
UL 94 flammability rating		V-0
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	0.35 x 0.8
Solder eyelet Ø = D	mm	1.1
Solder eyelet Ø tolerance	mm	+ 0,1

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²

UL: 300 V / 12 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

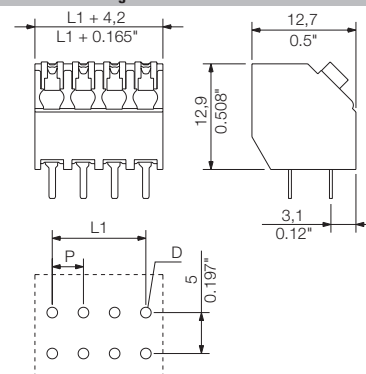
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 3.81../135

Reflow-compatible PCB Terminal



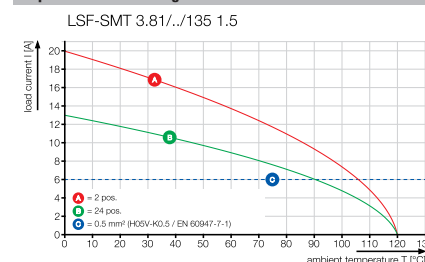
Dimensioned drawing



Ordering data

Solder pin length			1.5 mm	3.5 mm	
Colour			Black	Black	
Pitch			3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	69	1885410000	1885880000
3	7.62	0.300	46	1885420000	1885890000
4	11.43	0.450	35	1885430000	1885900000
5	15.24	0.600	28	1885440000	1885910000
6	19.05	0.750	23	1885450000	1885920000
7	22.86	0.900	20	1885460000	1885930000
8	26.67	1.050	17	1885470000	1885940000
9	30.48	1.200	15	1885480000	1885950000
10	34.29	1.350	14	1885490000	1885960000
11	38.10	1.500	13	1885510000	1885970000
12	41.91	1.650	12	1885520000	1885980000
13	45.72	1.800	11	1885530000	1885990000
14	49.53	1.950	10	1885540000	1886000000
15	53.34	2.100	9	1885550000	1886010000
16	57.15	2.250	9	1885560000	1886020000
17	60.96	2.400	8	1885570000	1886030000
18	64.77	2.550	8	1885580000	1886040000
19	68.58	2.700	7	1885590000	1886050000
20	72.39	2.850	7	1885600000	1886060000
21	76.20	3.000	6	1885610000	1886070000
22	80.01	3.150	6	1885620000	1886080000
23	83.82	3.300	6	1885630000	1886090000
24	87.63	3.450	6	1885640000	1886100000

Representative deratings curve



LSF-SMT 3.81/./135 Tape

Reflow-compatible PCB Terminal



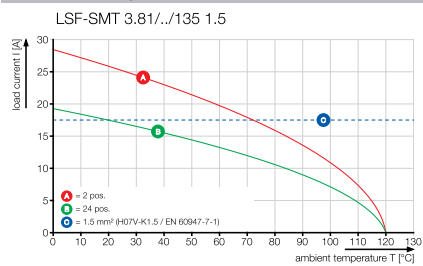
Dimensioned drawing

Ordering data

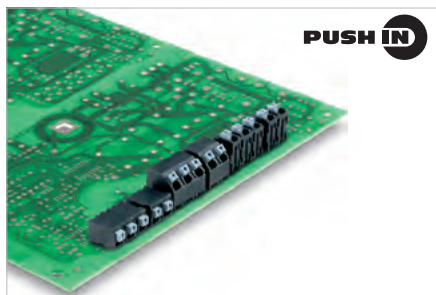
Solder pin length			1.5 mm		3.5 mm	
Colour			Black		Black	
Pitch			3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	3.81	0.150	175	1888450000	1888320000	
3	7.62	0.300	190	1888460000	1888330000	
4	11.43	0.450	190	1888470000	1888340000	
5	15.24	0.600	190	1888480000	1888380000	
6	19.05	0.750	190	1888490000	1888390000	
7	22.86	0.900	190	1888500000	1888400000	
8	26.67	1.050	190	1888510000	1888410000	
9	30.48	1.200	190	1888520000	1888420000	
10	34.29	1.350	190	1888530000	1888430000	
11	38.10	1.500	190	1888540000	1888440000	

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 3.81/./180



PCB terminal for fully automatic assembly, in 3.81 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 180°.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	
According to norm		
Tightening torque range	Nm	
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C 40°C	
For conductor cross-section	mm ²	1.5
Overvoltage category	III III II	
Pollution severity	3 2 2	
Rated voltage	V	160 160 320
Rated impulse voltage	kV	2.5 2.5 2.5
UL / CUL (Use Group)	B C D	D

Rated voltage	V	300 300
Rated current	A	12 10
AWG conductor	AWG	24-16
CSA (Use Group)	B C D	D
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	24-16

General data		
Type of insulation material	LCP GF	
UL 94 flammability rating	V-0	
Contact base material	Cu-Leg	
Material of contact surface	tinned	
Pin dimensions = d	mm	0.35 x 0.8
Solder eyelet Ø = D	mm	1.1
Solder eyelet Ø tolerance	mm	+ 0.1

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

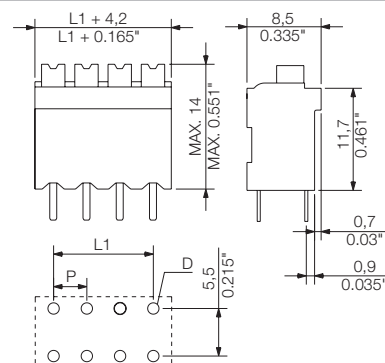
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 3.81/./180

Reflow-compatible PCB Terminal



Dimensioned drawing



Accessories

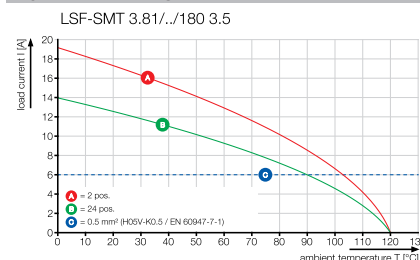
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SDIS 0.4X2.5X75	9008370000
SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length			1.5 mm	3.5 mm	
Colour			Black	Black	
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	69	1869890000	1825790000
3	7.62	0.300	46	1869900000	1825800000
4	11.43	0.450	35	1869910000	1825810000
5	15.24	0.600	28	1869920000	1825820000
6	19.05	0.750	23	1869930000	1825830000
7	22.86	0.900	20	1869940000	1825840000
8	26.67	1.050	17	1869950000	1825850000
9	30.48	1.200	15	1869960000	1825870000
10	34.29	1.350	14	1869970000	1825880000
11	38.10	1.500	13	1870000000	1825890000
12	41.91	1.650	12	1870010000	1825920000
13	45.72	1.800	11	1870020000	1870900000
14	49.53	1.950	10	1870030000	1870910000
15	53.34	2.100	9	1870040000	1870920000
16	57.15	2.250	9	1870050000	1870930000
17	60.96	2.400	8	1870060000	1870940000
18	64.77	2.550	8	1870070000	1870950000
19	68.58	2.700	7	1870080000	1870960000
20	72.39	2.850	7	1870090000	1870970000
21	76.20	3.000	6	1870100000	1870980000
22	80.01	3.150	6	1870110000	1870990000
23	83.82	3.300	6	1870120000	1871000000
24	87.63	3.450	6	1870130000	1871010000

Representative deratings curve



LSF-SMT 3.81/./180 Tape

Reflow-compatible PCB Terminal



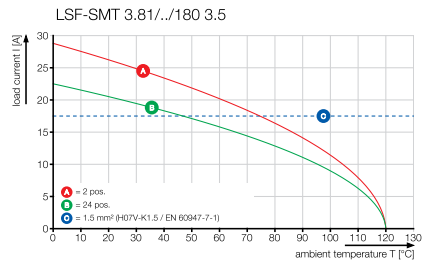
Dimensioned drawing

Ordering data

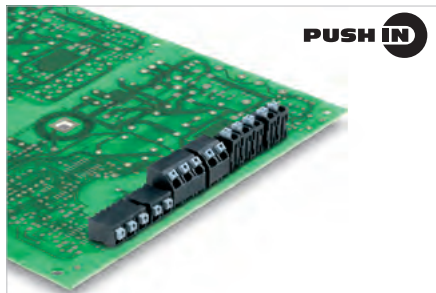
Solder pin length				1.5 mm		3.5 mm	
Colour				Black		Black	
Pitch				3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	3.81	0.150	175	1875320000	1875550000		
3	7.62	0.300	175	1875330000	1875570000		
4	11.43	0.450	175	1875340000	1875590000		
5	15.24	0.600	175	1875350000	1875650000		
6	19.05	0.750	175	1875360000	1875670000		
7	22.86	0.900	175	1875370000	1875680000		
8	26.67	1.050	175	1875380000	1875710000		
9	30.48	1.200	175	1875390000	1875730000		
10	34.29	1.350	175	1875400000	1875760000		
11	38.10	1.500	175	1875410000	1875810000		

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 5.00/./90



PUSH IN

PCB terminal for fully automatic assembly, in 5.00 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 90°.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	

According to norm

Tightening torque range	Nm	
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C 40°C	
For conductor cross-section	mm ²	1.5
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	250 320 500
Rated impulse voltage	kV	4 4 4

UL / CUL (Use Group)

Rated voltage	V	300 300
Rated current	A	12 10
AWG conductor	AWG	24-16

CSA (Use Group)

Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	24-16

General data

Type of insulation material	LCP GF
UL 94 flammability rating	V-0
Contact base material	Cu-Leg
Material of contact surface	tinned
Pin dimensions = d	mm 0.35 x 0.8
Solder eyelet Ø = D	mm 1.1
Solder eyelet Ø tolerance	mm + 0.1

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²

UL: 300 V / 12 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmuller.com

Note:

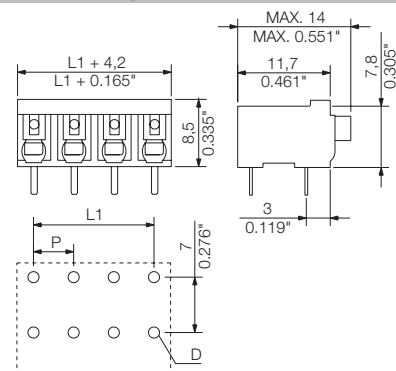
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 5.00/./90

Reflow-compatible PCB Terminal



Dimensioned drawing



Accessories

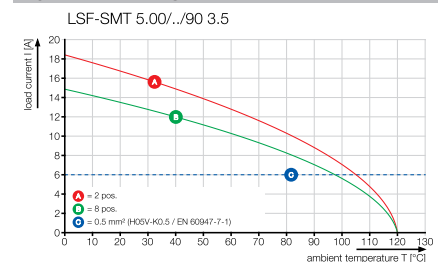
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SDIS 0.4X2.5X75	9008370000
SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				Black	Black
Pitch 5.00 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	60	1869600000	1824740000
3	10.00	0.394	39	1869610000	1824750000
4	15.00	0.591	28	1869620000	1824760000
5	20.00	0.787	22	1869630000	1824770000
6	25.00	0.984	18	1869640000	1824780000
7	30.00	1.181	16	1869650000	1824790000
8	35.00	1.378	14	1869660000	1824800000

Representative deratings curve



LSF-SMT 5.00/./90 Tape

Reflow-compatible PCB Terminal



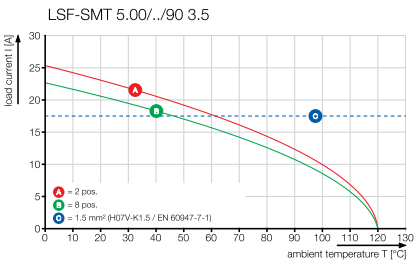
Dimensioned drawing

Ordering data

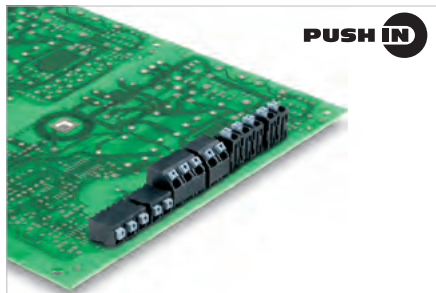
Solder pin length				1.5 mm		3.5 mm	
Colour				Black		Black	
Pitch				5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	5.00	0.197	265	1876240000	1876430000		
3	10.00	0.394	265	1876260000	1876510000		
4	15.00	0.591	265	1876270000	1876530000		
5	20.00	0.787	265	1876280000	1876550000		
6	25.00	0.984	265	1876300000	1876560000		
7	30.00	1.181	265	1876330000	1876540000		
8	35.00	1.378	265	1876350000	1876520000		

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 5.00/./135



PUSH IN

PCB terminal for fully automatic assembly, in 5.00 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 135°.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	

According to norm

Tightening torque range	Nm	
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C	40°C

For conductor cross-section	mm ²	1.5
Overvoltage category		III III II
Pollution severity		3 2 2

Rated voltage	V	250 320 500
Rated impulse voltage	kV	4 4 4

UL / CUL (Use Group)	B C D	D
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Rated voltage	V	300 300
Rated current	A	12 10

AWG conductor	AWG	24-16
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CSA (Use Group)	B C D	D
------------------------	--------------	----------

Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	24-16

General data

Type of insulation material		LCP GF
UL 94 flammability rating		V-0
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	0.35 x 0.8
Solder eyelet Ø = D	mm	1.1
Solder eyelet Ø tolerance	mm	+ 0,1

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²

UL: 300 V / 12 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

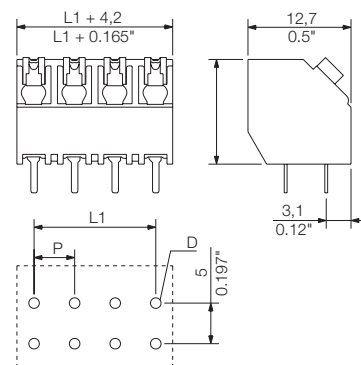
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 5.00/./135

Reflow-compatible PCB Terminal



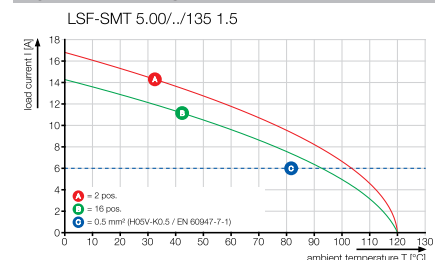
Dimensioned drawing



Ordering data

Solder pin length			1.5 mm		3.5 mm	
Colour			Black		Black	
Pitch			5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	5.00	0.197	60	1884530000	1884340000	
3	10.00	0.394	39	1884540000	1884370000	
4	15.00	0.591	28	1884550000	1884380000	
5	20.00	0.787	22	1884560000	1884390000	
6	25.00	0.984	18	1884570000	1884400000	
7	30.00	1.181	16	1884580000	1884410000	
8	35.00	1.378	14	1884590000	1884420000	
9	40.00	1.575	12	1884600000	1884430000	
10	45.00	1.772	11	1884660000	1884440000	
11	50.00	1.969	10	1884670000	1884450000	
12	55.00	2.165	9	1884680000	1884460000	
13	60.00	2.362	8	1884690000	1884470000	
14	65.00	2.559	8	1884700000	1884500000	
15	70.00	2.756	7	1884710000	1884510000	
16	75.00	2.953	6	1884720000	1884520000	

Representative deratings curve



LSF-SMT 5.00/./135 Tape

Reflow-compatible PCB Terminal



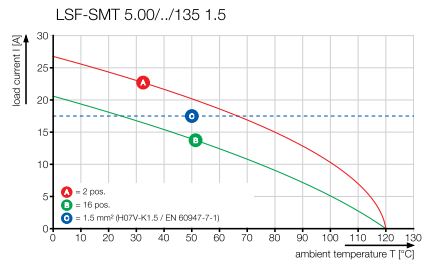
Dimensioned drawing

Ordering data

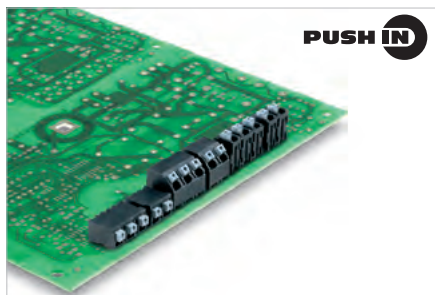
Solder pin length				1.5 mm		3.5 mm	
Colour				Black		Black	
Pitch				5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	5.00	0.197	190	1888570000	1888640000		
3	10.00	0.394	190	1888580000	1888650000		
4	15.00	0.591	190	1888590000	1888660000		
5	20.00	0.787	190	1888600000	1888670000		
6	25.00	0.984	190	1888610000	1888680000		
7	30.00	1.181	190	1888620000	1888690000		
8	35.00	1.378	190	1888630000	1888700000		

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 5.00/./180



PUSH IN

PCB terminal for fully automatic assembly, in 5.00 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 180°.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	
According to norm		
Tightening torque range	Nm	
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C 40°C	
For conductor cross-section	mm ²	1.5
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	250 320 500
Rated impulse voltage	kV	4 4 4
UL / CUL (Use Group)	B C D	

Rated voltage	V	300 300
Rated current	A	12 10
AWG conductor	AWG	24-16
CSA (Use Group)	B C D	

Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	24-16
General data		
Type of insulation material		LCP GF
UL 94 flammability rating		V-0
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	0.35 x 0.8
Solder eyelet Ø = D	mm	1.1
Solder eyelet Ø tolerance	mm	+ 0,1

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 24 - 16



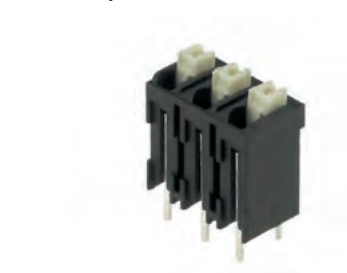
For additional articles and information, refer to catalog.weidmuller.com

Note:

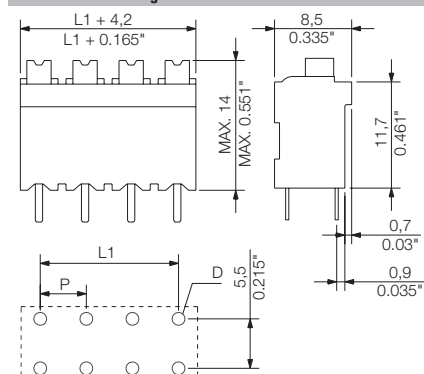
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 5.00/./180

Reflow-compatible PCB Terminal



Dimensioned drawing



Accessories

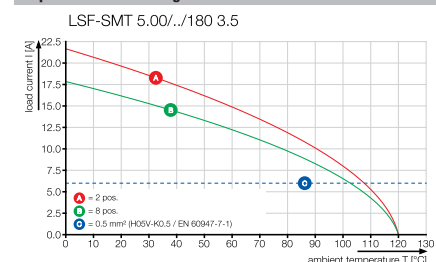
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SDIS 0.4X2.5X75	9008370000
SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				Black	Black
Pitch				5.00 mm	
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	60	1870140000	1825960000
3	10.00	0.394	39	1870150000	1825970000
4	15.00	0.591	28	1870160000	1825980000
5	20.00	0.787	22	1870170000	1825990000
6	25.00	0.984	18	1870180000	1826000000
7	30.00	1.181	16	1870190000	1826010000
8	35.00	1.378	14	1870200000	1826020000

Representative deratings curve



LSF-SMT 5.00/./180 Tape

Reflow-compatible PCB Terminal



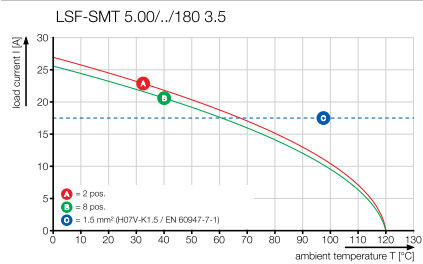
Dimensioned drawing

Ordering data

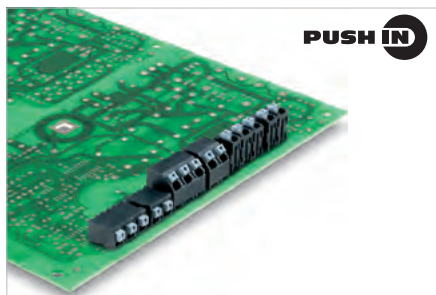
Solder pin length				1.5 mm		3.5 mm	
Colour				Black		Black	
Pitch				5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	5.00	0.197	175	1876020000	1876110000		
3	10.00	0.394	175	1876030000	1876130000		
4	15.00	0.591	175	1876050000	1876140000		
5	20.00	0.787	175	1876060000	1876160000		
6	25.00	0.984	175	1876070000	1876200000		
7	30.00	1.181	175	1876080000	1876220000		
8	35.00	1.378	175	1876090000	1876230000		

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 5.08/./90



PCB terminal for fully automatic assembly, in 5.08 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 90°.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	12	10
AWG conductor	AWG	24-16	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	24-16	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.35 x 0.8	
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

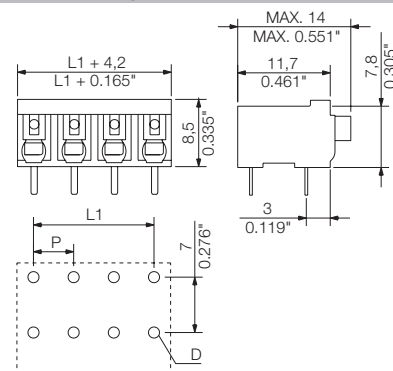
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 5.08/./90

Reflow-compatible PCB Terminal



Dimensioned drawing



Accessories

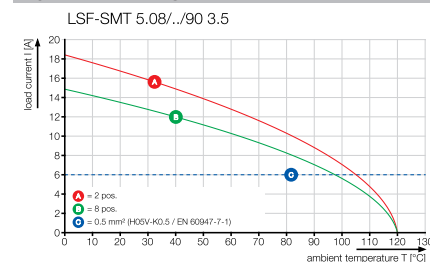
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				Black	Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	59	1869670000	1824810000
3	10.16	0.400	38	1869680000	1824820000
4	15.24	0.600	28	1869690000	1824830000
5	20.32	0.800	22	1869700000	1824840000
6	25.40	1.000	18	1869710000	1824850000
7	30.48	1.200	15	1869720000	1824860000
8	35.56	1.400	13	1869730000	1824870000

Representative deratings curve



LSF-SMT 5.08/./90 Tape

Reflow-compatible PCB Terminal



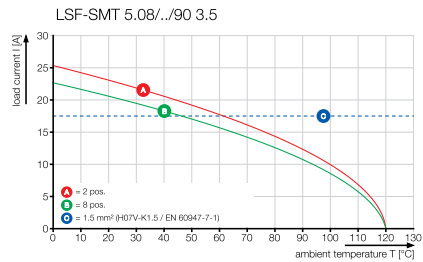
Dimensioned drawing

Ordering data

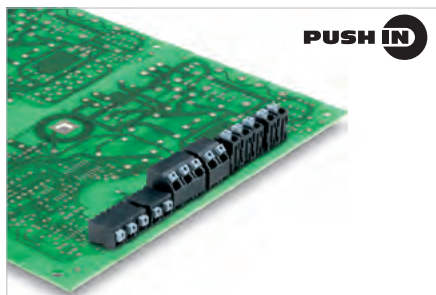
Solder pin length				1.5 mm		3.5 mm	
Colour				Black		Black	
Pitch				5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	5.08	0.200	265	1876480000	1876470000		
3	10.16	0.400	265	1876440000	1876420000		
4	15.24	0.600	265	1878520000	1876310000		
5	20.32	0.800	265	1876210000	1876190000		
6	25.40	1.000	265	1876150000	1876120000		
7	30.48	1.200	265	1875720000	1875690000		
8	35.56	1.400	265	1875520000	1875510000		

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 5.08/./135



PCB terminal for fully automatic assembly, in 5.08 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 135°.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	

According to norm

Tightening torque range	Nm	
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C	40°C

For conductor cross-section	mm ²	1.5
Overvoltage category		III III II
Pollution severity		3 2 2

Rated voltage	V	250 320 500
Rated impulse voltage	kV	4 4 4

UL / CUL (Use Group)	B C D	D
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Rated voltage	V	300 300
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Rated current	A	12 10
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AWG conductor	AWG	24-16
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CSA (Use Group)	B C D	D
------------------------	--------------	----------

Rated voltage	V	300 300
---------------	---	---------

Rated current	A	10 10
---------------	---	-------

AWG conductor	AWG	24-16
---------------	-----	-------

General data

Type of insulation material		LCP GF
UL 94 flammability rating		V-0
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	0.35 x 0.8
Solder eyelet Ø = D	mm	1.1
Solder eyelet Ø tolerance	mm	+ 0,1

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²

UL: 300 V / 12 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

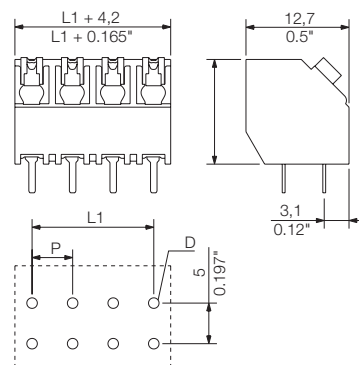
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 5.08/./135

Reflow-compatible PCB Terminal



Dimensioned drawing



Accessories

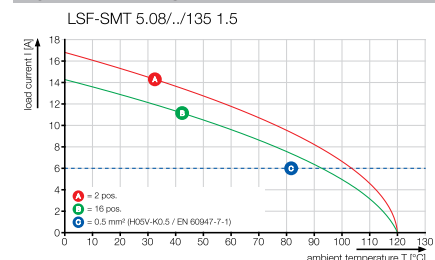
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length				1.5 mm		3.5 mm	
Colour				Black		Black	
Pitch 5.08 mm							
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	5.08	0.200	59	1884730000	1885020000		
3	10.16	0.400	38	1884740000	1885030000		
4	15.24	0.600	28	1884750000	1885040000		
5	20.32	0.800	22	1884760000	1885050000		
6	25.40	1.000	18	1884770000	1885060000		
7	30.48	1.200	15	1884780000	1885070000		
8	35.56	1.400	13	1884790000	1885080000		
9	40.64	1.600	12	1884800000	1885090000		
10	45.72	1.800	11	1884810000	1885100000		
11	50.80	2.000	10	1884820000	1885110000		
12	55.88	2.200	9	1884830000	1885120000		
13	60.96	2.400	8	1884840000	1885130000		
14	66.04	2.600	7	1884850000	1885140000		
15	71.12	2.800	7	1884860000	1885150000		
16	76.20	3.000	6	1884870000	1885160000		

Representative deratings curve



LSF-SMT 5.08/./135 Tape

Reflow-compatible PCB Terminal



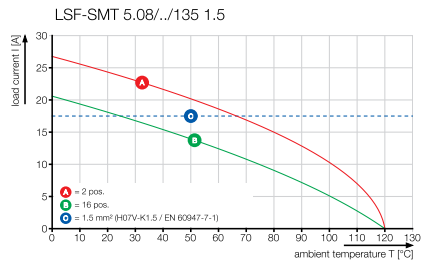
Dimensioned drawing

Ordering data

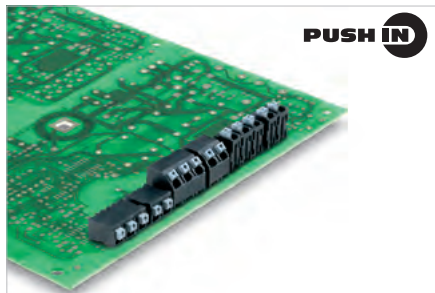
Solder pin length				1.5 mm	3.5 mm
Colour				Black	Black
Pitch				5.08 mm	
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	190	1888710000	1888780000
3	10.16	0.400	190	1888720000	1888790000
4	15.24	0.600	190	1888730000	1888810000
5	20.32	0.800	190	1888740000	1888830000
6	25.40	1.000	190	1888750000	1888840000
7	30.48	1.200	190	1888760000	1888870000
8	35.56	1.400	190	1888770000	1888880000

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 5.08/./180



PUSH IN

PCB terminal for fully automatic assembly, in 5.08 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 180°.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	

According to norm

Tightening torque range	Nm	
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C 40°C	

For conductor cross-section	mm ²	1.5
Overvoltage category		III III II
Pollution severity		3 2 2

Rated voltage	V	250 320 500
Rated impulse voltage	kV	4 4 4

UL / CUL (Use Group)

Rated voltage	V	300 300
Rated current	A	12 10
AWG conductor	AWG	24-16

CSA (Use Group)

Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	24-16

General data

Type of insulation material		LCP GF
UL 94 flammability rating		V-0
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	0.35 x 0.8
Solder eyelet Ø = D	mm	1.1
Solder eyelet Ø tolerance	mm	+ 0,1

Product data

IEC: 500 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmuller.com

Note:

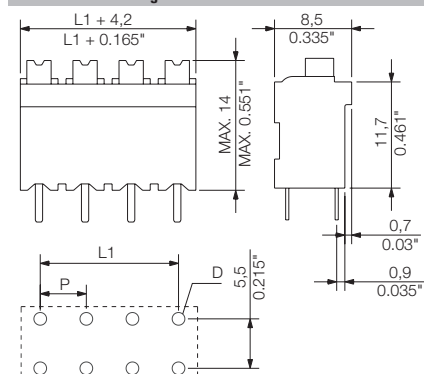
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 5.08/./180

Reflow-compatible PCB Terminal



Dimensioned drawing



Accessories

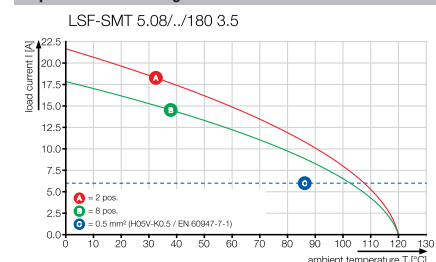
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length			1.5 mm		3.5 mm	
Colour			Black		Black	
Pitch			5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	5.08	0.200	59	1870210000	1826040000	
3	10.16	0.400	38	1870220000	1826060000	
4	15.24	0.600	28	1870230000	1826070000	
5	20.32	0.800	22	1870240000	1826080000	
6	25.40	1.000	18	1870250000	1826100000	
7	30.48	1.200	15	1870260000	1826110000	
8	35.56	1.400	13	1870270000	1826120000	

Representative deratings curve



LSF-SMT 5.08/./180 Tape

Reflow-compatible PCB Terminal



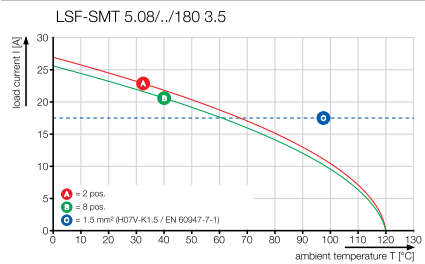
Dimensioned drawing

Ordering data

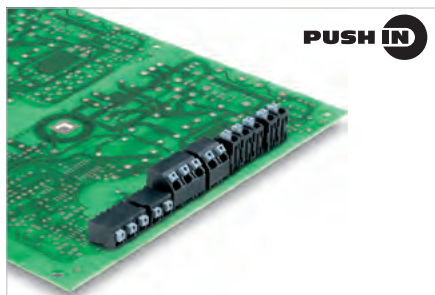
Solder pin length				1.5 mm	3.5 mm
Colour				Black	Black
Pitch				5.08 mm	
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	175	1876500000	1876490000
3	10.16	0.400	175	1876460000	1876450000
4	15.24	0.600	175	1876410000	1876360000
5	20.32	0.800	175	1876290000	1876250000
6	25.40	1.000	175	1876180000	1876170000
7	30.48	1.200	175	1876100000	1875750000
8	35.56	1.400	175	1875610000	1875580000

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 7.50/./90



PCB terminal for fully automatic assembly, in 7.50 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 90°.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	

According to norm

Tightening torque range	Nm	
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C 40°C	
For conductor cross-section	mm ²	1.5
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	500 630 800
Rated impulse voltage	kV	6 6 6

UL / CUL (Use Group)

Rated voltage	V	300 150 300
Rated current	A	12 10 10
AWG conductor	AWG	24-16

CSA (Use Group)

Rated voltage	V	300 150 300
Rated current	A	10 10 10
AWG conductor	AWG	24-16

General data

Type of insulation material	LCP GF
UL 94 flammability rating	V-0
Contact base material	Cu-Leg
Material of contact surface	tinned
Pin dimensions = d	mm 0.35 x 0.8
Solder eyelet Ø = D	mm 1.1
Solder eyelet Ø tolerance	mm + 0.1

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²

UL: 300 V / 12 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

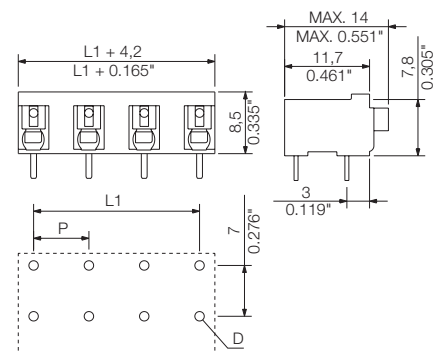
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 7.50/./90

Reflow-compatible PCB Terminal



Dimensioned drawing



Accessories

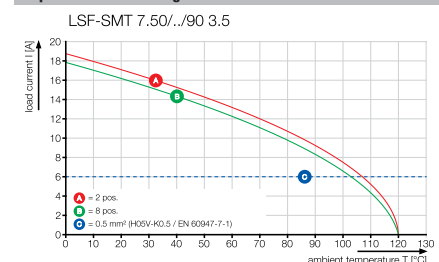
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length			1.5 mm	3.5 mm	
Colour			Black	Black	
Pitch			7.50 mm		
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.50	0.295	47	1869740000	1824880000
3	15.00	0.591	28	1869750000	1824890000
4	22.50	0.886	20	1869760000	1824900000
5	30.00	1.181	16	1869770000	1824910000
6	37.50	1.476	13	1869780000	1824920000
7	45.00	1.772	11	1869790000	1824930000
8	52.50	2.067	9	1869800000	1824940000

Representative deratings curve



LSF-SMT 7.50/./90 Tape

Reflow-compatible PCB Terminal



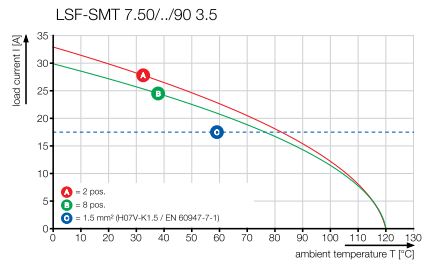
Dimensioned drawing

Ordering data

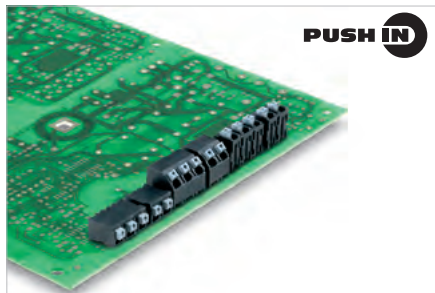
Solder pin length				1.5 mm	3.5 mm
Colour				Black	Black
Pitch		7.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.50	0.295	265	1875480000	1875470000
3	15.00	0.591	265	1875440000	1875430000
4	22.50	0.886	265	1875040000	1875020000
5	30.00	1.181	265	1874980000	1874960000
6	37.50	1.476	265	1874910000	1874880000

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 7.50/./135



PUSH IN

PCB terminal for fully automatic assembly, in 7.50 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 135°.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	

According to norm

Tightening torque range	Nm	
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C 40°C	

For conductor cross-section	mm ²	1.5
Overvoltage category		III III II
Pollution severity		3 2 2

Rated voltage	V	500 630 800
Rated impulse voltage	kV	6 6 6

UL / CUL (Use Group)

Rated voltage	V	300 300
Rated current	A	12 10

AWG conductor

AWG conductor	AWG	24-16
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CSA (Use Group)

Rated voltage	V	300 300
Rated current	A	10 10

General data

Type of insulation material		LCP GF
UL 94 flammability rating		V-0
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	0.35 x 0.8
Solder eyelet Ø = D	mm	1.1
Solder eyelet Ø tolerance	mm	+ 0.1

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmuller.com

Note:

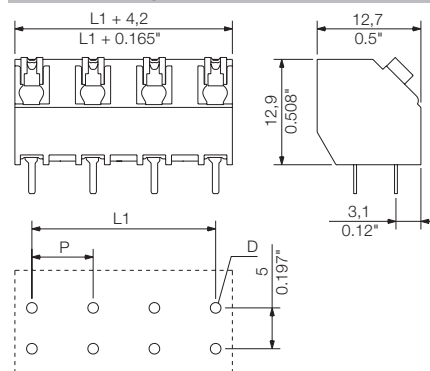
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 7.50/./135

Reflow-compatible PCB Terminal



Dimensioned drawing



Accessories

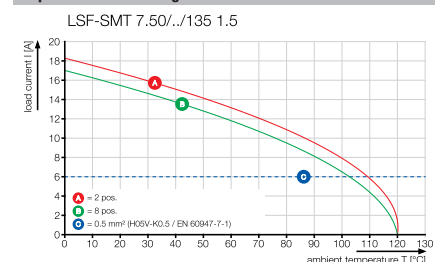
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length		1.5 mm	3.5 mm		
Colour		Black	Black		
Pitch	7.50 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.50	0.295	47	1884880000	1886110000
3	15.00	0.591	28	1884890000	1886120000
4	22.50	0.886	20	1884900000	1886130000
5	30.00	1.181	16	1884910000	1886140000
6	37.50	1.476	13	1884920000	1886150000
7	45.00	1.772	11	1884930000	1886160000
8	52.50	2.067	9	1884940000	1886170000

Representative deratings curve



LSF-SMT 7.50/./135 Tape

Reflow-compatible PCB Terminal



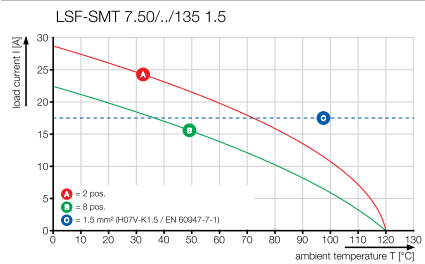
Dimensioned drawing

Ordering data

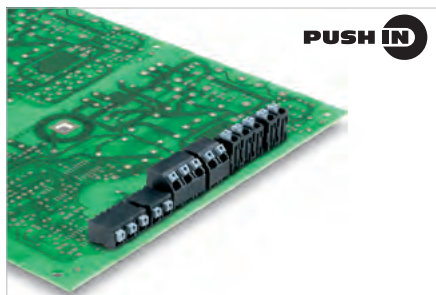
Solder pin length			1.5 mm		3.5 mm	
Colour			Black		Black	
Pitch			7.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	7.50	0.295	190	1888890000	1888970000	
3	15.00	0.591	190	1888910000	1888990000	
4	22.50	0.886	190	1888930000	1889000000	
5	30.00	1.181	190	1888940000	1889020000	
6	37.50	1.476	190	1888950000	1889030000	

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 7.50/./180



PCB terminal for fully automatic assembly, in 7.50 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 180°.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	

According to norm

Tightening torque range	Nm	
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C 40°C	

For conductor cross-section	mm ²	1.5
Overvoltage category		III III II
Pollution severity		3 2 2

Rated voltage	V	500 630 800
Rated impulse voltage	kV	6 6 6

UL / CUL (Use Group)

Rated voltage	V	300 150 300
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Rated current	A	12 10 10
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AWG conductor	AWG	24-16
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CSA (Use Group)

Rated voltage	V	300 150 300
----------------------	----------	--------------------

Rated current	A	10 10 10
----------------------	----------	-----------------

AWG conductor	AWG	24-16
----------------------	------------	--------------

General data

Type of insulation material		LCP GF
UL 94 flammability rating		V-0
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	0.35 x 0.8
Solder eyelet Ø = D	mm	1.1
Solder eyelet Ø tolerance	mm	+ 0,1

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²

UL: 300 V / 12 A / AWG 24 - 16



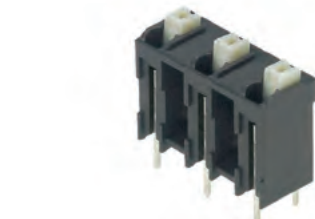
For additional articles and information, refer to catalog.weidmueller.com

Note:

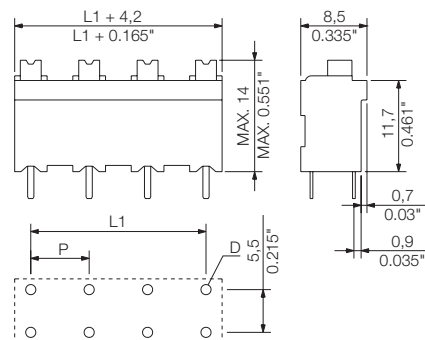
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 7.50/./180

Reflow-compatible PCB Terminal



Dimensioned drawing



Accessories

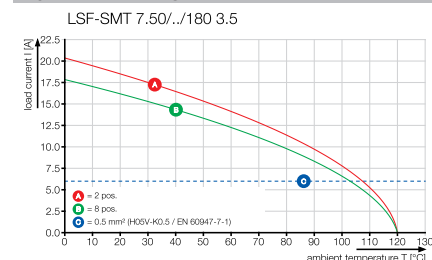
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				Black	Black
Pitch 7.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.50	0.295	47	1870280000	1826130000
3	15.00	0.591	28	1870290000	1826140000
4	22.50	0.886	20	1870300000	1826150000
5	30.00	1.181	16	1870310000	1826160000
6	37.50	1.476	13	1870320000	1826170000
7	45.00	1.772	11	1870330000	1826180000
8	52.50	2.067	9	1870340000	1826190000

Representative deratings curve



LSF-SMT 7.50/./180 Tape

Reflow-compatible PCB Terminal



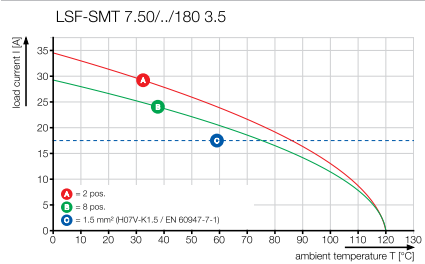
Dimensioned drawing

Ordering data

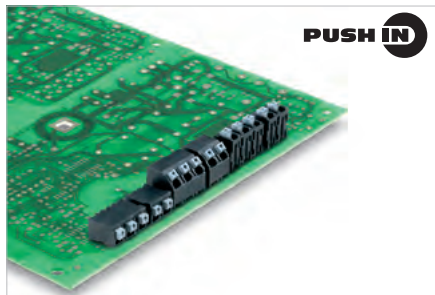
Solder pin length				1.5 mm	3.5 mm
Colour				Black	Black
Pitch		7.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.50	0.295	175	1875500000	1875490000
3	15.00	0.591	175	1875460000	1875450000
4	22.50	0.886	175	1875090000	1875060000
5	30.00	1.181	175	1875010000	1875000000
6	37.50	1.476	175	1874950000	1874920000

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 7.62/./90



PCB terminal for fully automatic assembly, in 7.62 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 90°.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	

According to norm

Tightening torque range	Nm	
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C 40°C	

For conductor cross-section	mm ²	1.5
Overvoltage category		III III II
Pollution severity		3 2 2

Rated voltage	V	500 630 800
Rated impulse voltage	kV	6 6 6

UL / CUL (Use Group)	B C D	
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Rated voltage	V	300 150 300
Rated current	A	12 10 10

AWG conductor	AWG	24-16
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CSA (Use Group)	B C D	
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Rated voltage	V	300 150 300
Rated current	A	10 10 10
AWG conductor	AWG	24-16

General data

Type of insulation material	LCP GF
UL 94 flammability rating	V-0
Contact base material	Cu-Leg
Material of contact surface	tinned
Pin dimensions = d	mm 0.35 x 0.8
Solder eyelet Ø = D	mm 1.1
Solder eyelet Ø tolerance	mm + 0.1

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²

UL: 300 V / 12 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmuller.com

Note:

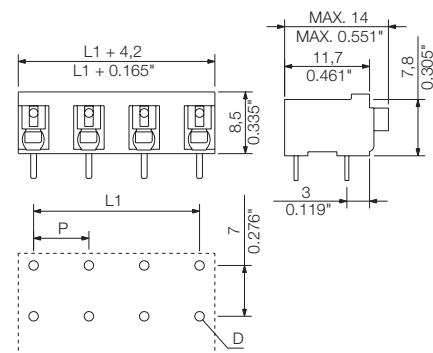
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 7.62/./90

Reflow-compatible PCB Terminal



Dimensioned drawing



Accessories

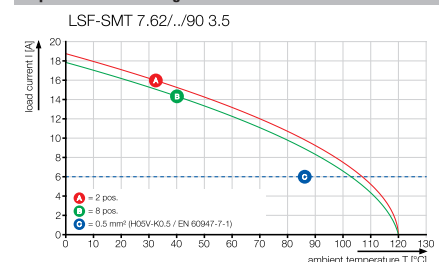
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				Black	Black
Pitch 7.62 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.62	0.300	46	1869260000	1824950000
3	15.24	0.600	28	1869270000	1824960000
4	22.86	0.900	20	1869280000	1824970000
5	30.48	1.200	15	1869290000	1824980000
6	38.10	1.500	13	1869300000	1824990000
7	45.72	1.800	11	1869310000	1825000000
8	53.34	2.100	9	1869320000	1825010000

Representative deratings curve



LSF-SMT 7.62/./90 Tape

Reflow-compatible PCB Terminal



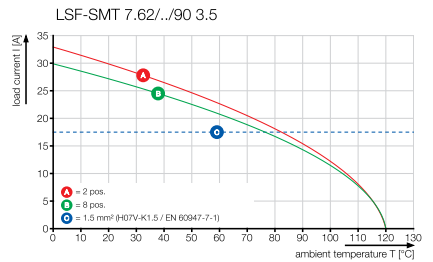
Dimensioned drawing

Ordering data

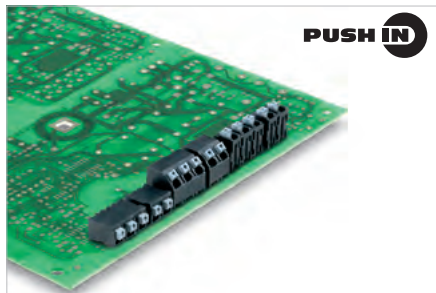
Solder pin length				1.5 mm	3.5 mm
Colour				Black	Black
Pitch				7.62 mm	
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.62	0.300	265	1874700000	1874670000
3	15.24	0.600	265	1874570000	1874550000
4	22.86	0.900	265	1874480000	1874470000
5	30.48	1.200	265	1874430000	1874410000
6	38.10	1.500	265	1874330000	1874290000

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 7.62/./135



PUSH IN

PCB terminal for fully automatic assembly, in 7.62 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 135°.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	

According to norm

Tightening torque range	Nm	
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C 40°C	

For conductor cross-section	mm ²	1.5
Overvoltage category		III III II
Pollution severity		3 2 2

Rated voltage	V	500 630 800
Rated impulse voltage	kV	6 6 6

UL / CUL (Use Group)

Rated voltage	V	300 300
Rated current	A	12 10

AWG conductor

AWG conductor	AWG	24-16
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CSA (Use Group)

Rated voltage	V	300 300
Rated current	A	10 10

General data

Type of insulation material		LCP GF
UL 94 flammability rating		V-0
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	0.35 x 0.8
Solder eyelet Ø = D	mm	1.1
Solder eyelet Ø tolerance	mm	+ 0,1

Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²

UL: 300 V / 12 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmuller.com

Note:

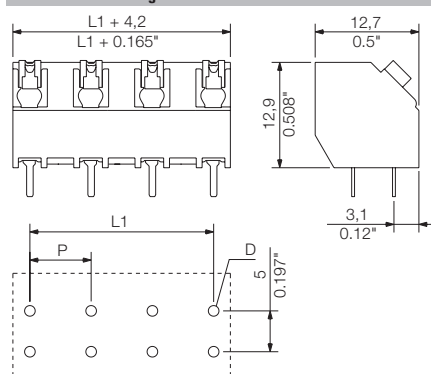
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 7.62/./135

Reflow-compatible PCB Terminal



Dimensioned drawing



Accessories

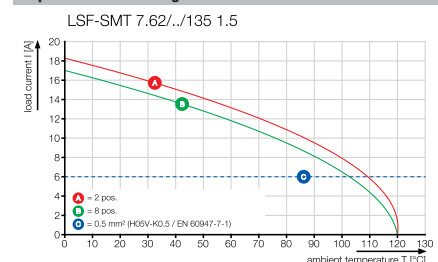
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
SDIS 0.4X2.5X75		9008370000
SDS 0.4X2.5X75		9009030000

Ordering data

Solder pin length		1.5 mm	3.5 mm	
Colour		Black	Black	
Pitch		7.62 mm		
Pol.	L1 (inch)	Qty.	Order No.	Order No.
2	7.62 0.300	46	1884950000	1886180000
3	15.24 0.600	28	1884960000	1886190000
4	22.86 0.900	20	1884970000	1886200000
5	30.48 1.200	15	1884980000	1886210000
6	38.10 1.500	13	1884990000	1886220000
7	45.72 1.800	11	1885000000	1886230000
8	53.34 2.100	9	1885010000	1886240000

Representative deratings curve



LSF-SMT 7.62/./135 Tape

Reflow-compatible PCB Terminal



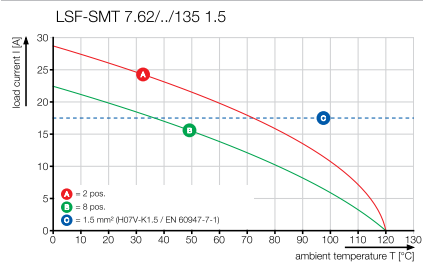
Dimensioned drawing

Ordering data

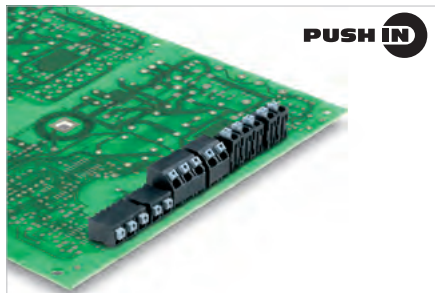
Solder pin length				1.5 mm	3.5 mm
Colour				Black	Black
Pitch				7.62 mm	
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.62	0.300	190	1887110000	1887160000
3	15.24	0.600	190	1887120000	1887170000
4	22.86	0.900	190	1887130000	1887180000
5	30.48	1.200	190	1887140000	1887190000
6	38.10	1.500	190	1887150000	1887200000

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMT 7.62/./180



PUSH IN

PCB terminal for fully automatic assembly, in 7.62 mm pitch, for THR reflow soldering (SMT) and wave soldering.

- "PUSH IN" wire connection, for wire cross-sections up to 1.5 mm².
- Form and dimensional stability provided by the LCP insulating material.
- Conductor inserted and slider operated in same direction (TOP).
- Packaged in tube or tape-on-reel.
- Pin lengths optimised to 1.5 mm or 3.5 mm.
- Wire outlet direction of 180°.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.25...1.5
Ferrule with plastic collar	mm ²	0.25...0.75
Stripping length	mm	8
Screwdriver blade	mm	

According to norm

Tightening torque range	Nm	
Rated current, max.	A	17.5 17.5

At ambient temperature

For conductor cross-section	mm ²	1.5
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Overvoltage category		III III II
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Pollution severity		3 2 2
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Rated voltage	V	500 630 800
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Rated impulse voltage	kV	6 6 6
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UL / CUL (Use Group)	B C D	
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Rated voltage	V	300 150 300
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Rated current	A	12 10 10
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AWG conductor	AWG	24-16
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CSA (Use Group)	B C D	
------------------------	--------------	--

Rated voltage	V	300 150 300
---------------	---	-------------

Rated current	A	10 10 10
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AWG conductor	AWG	24-16
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General data

Type of insulation material		LCP GF
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UL 94 flammability rating		V-0
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Contact base material		Cu-Leg
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Material of contact surface		tinned
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Pin dimensions = d	mm	0.35 x 0.8
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Solder eyelet Ø = D	mm	1.1
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Solder eyelet Ø tolerance	mm	+ 0,1
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Product data

IEC: 800 V / 17.5 A / 0.2 - 1.5 mm²

UL: 300 V / 12 A / AWG 24 - 16



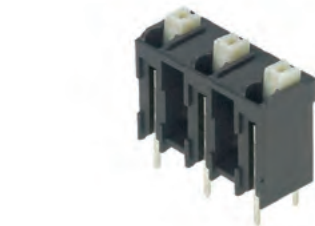
For additional articles and information, refer to catalog.weidmueller.com

Note:

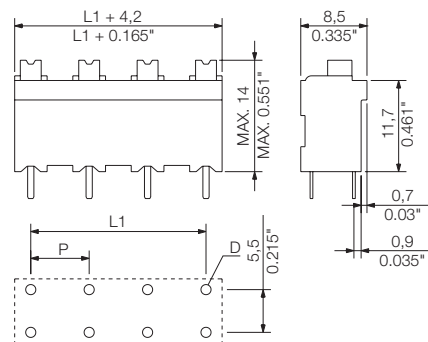
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMT 7.62/./180

Reflow-compatible PCB Terminal



Dimensioned drawing



Accessories

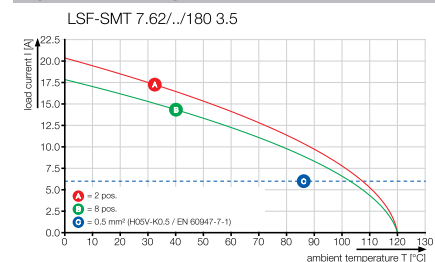
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length				1.5 mm	3.5 mm
Colour				Black	Black
Pitch				7.62 mm	
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	7.62	0.300	46	1869810000	1826210000
3	15.24	0.600	28	1869830000	1826220000
4	22.86	0.900	20	1869840000	1826230000
5	30.48	1.200	15	1869850000	1826240000
6	38.10	1.500	13	1869860000	1826250000
7	45.72	1.800	11	1869870000	1826260000
8	53.34	2.100	9	1869880000	1826270000

Representative deratings curve



LSF-SMT 7.62/./180 Tape

Reflow-compatible PCB Terminal



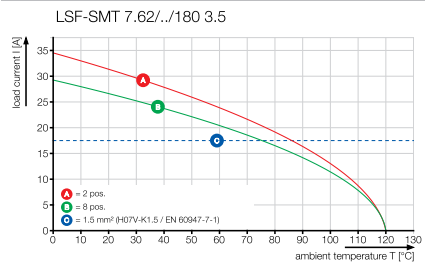
Dimensioned drawing

Ordering data

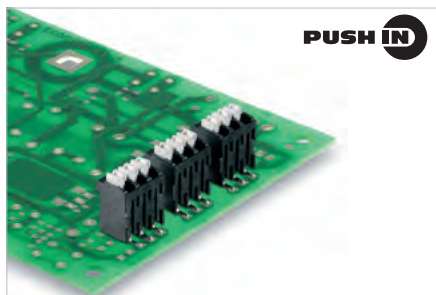
Solder pin length				1.5 mm		3.5 mm	
Colour				Black		Black	
Pitch				7.62 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	7.62	0.300	175	1874870000	1874750000		
3	15.24	0.600	175	1874650000	1874630000		
4	22.86	0.900	175	1874530000	1874500000		
5	30.48	1.200	175	1874450000	1874460000		
6	38.10	1.500	175	1874390000	1874360000		

Tape widths: 32, 44, 56, 72, 88

Additional deratings curves



LSF-SMD 3.50/180



PCB terminal for fully automatic assembly using reflow soldering (SMD), with "PUSH IN" wire connections. Conductor inserted and slider operated in same direction (TOP).

- Solid wires & stranded wires with wire-end ferrules need only to be inserted and they are ready.
- When connecting stranded wires without wire-end ferrules the handling area is used to open the terminal point
- Intuitive handling – since the wire-entry area and handling area are clearly separated.
- Packaged in tape-on-reel
- Conductor outlet direction 180°

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...1.5	
Solid core H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...0.75	
Stripping length	mm	8	
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1.5	
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	160	160
Rated impulse voltage	kV	2.5	2.5
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	12	10
AWG conductor	AWG	24-16	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	24-16	
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm	1.1	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 12 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

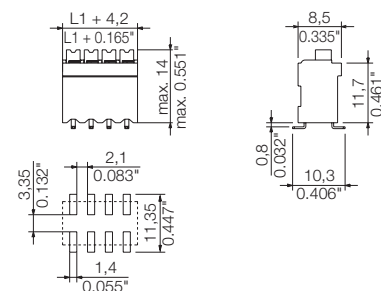
- Additional push button colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- Operating force of slider max. 40 N
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Crimping shape "A" for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.

LSF-SMD 3.50/180

Reflow-compatible PCB terminal



Dimensioned drawing



Accessories

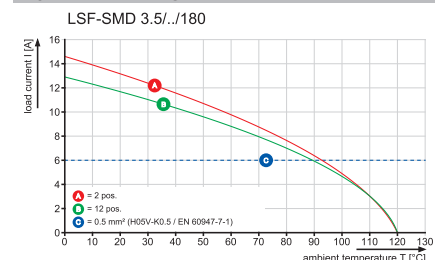
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SDIS 0.4X2.5X75	9008370000
SDS 0.4X2.5X75	9009030000

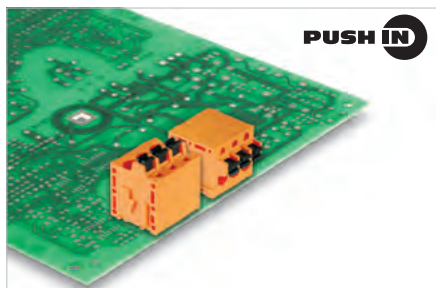
Ordering data

Solder pin length				
Colour	Black			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	180	1250360000
3	7.00	0.276	180	1250370000
4	10.50	0.414	180	1250380000
5	14.00	0.552	180	1250390000
6	17.50	0.690	180	1250410000
7	21.00	0.828	180	1250420000
8	24.50	0.966	180	1250430000
9	28.00	1.104	180	1250440000
10	31.50	1.242	180	1250450000
11	35.00	1.380	180	1250460000
12	38.50	1.518	180	1250470000

Representative deratings curve



LMF & LMFS



With the new LMF, we are meeting current market requirements for a PCB terminal with a "PUSH IN" connection system for conductor cross-sections up to 2.5 mm².

- "PUSH IN" connection system
- Pusher for opening the terminal point
- Integrated test point
- 90° and 180° wire outlet direction

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

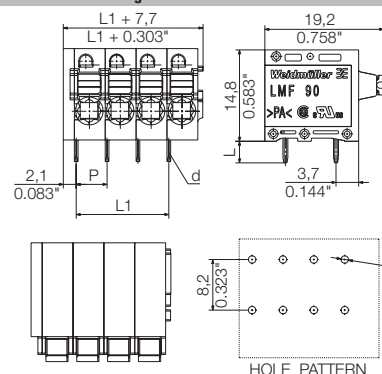
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LMF 5.00/./90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.12...2.5
Solid core H05(07) V-U	mm ²	0.2...2.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...2.5
Flexible with ferrule	mm ²	0.25...2.5
Ferrule with plastic collar	mm ²	0.25...2.5
Stripping length	mm	10
Screwdriver blade	mm	0.6 x 3.5
According to norm		DIN 5264

Tightening torque range	Nm	
Rated current, max.	A	24 24
At ambient temperature	20°C	40°C

For conductor cross-section	mm ²	
Overvoltage category		III III II
Pollution severity		3 2 2

Rated voltage	V	250 320 400
Rated impulse voltage	kV	4 4 4

UL / CUL (Use Group)	B C D	
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Rated voltage	V	300 300
Rated current	A	20 10

AWG conductor	AWG	26-12
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CSA (Use Group)	B C D	
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Rated voltage	V	300 300
Rated current	A	20 10

General data		
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Type of insulation material		Wemid (PA)
UL 94 flammability rating		V-0
Contact base material		CuSn
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	1.3
Solder eyelet Ø tolerance	mm	+ 0,1

Accessories

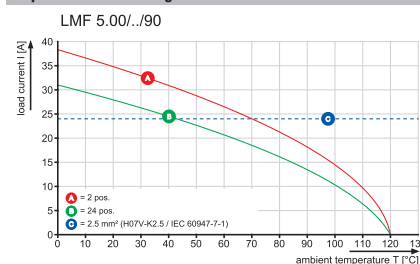
Note: Refer to the Accessories chapter for additional accessories.

Test plug	Order No.
PS 2.0 MC	0310000000
Screwdriver	
SDS 0.6X3.5X100	9008330000

Ordering data

Solder pin length				3.5 mm
Colour				Orange
Pitch				5.00 mm
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	130	1331700000
3	5.00	0.197	90	1331710000
4	5.00	0.197	70	1331720000
5	5.00	0.197	55	1331730000
6	5.00	0.197	45	1331740000
7	5.00	0.197	40	1331750000
8	5.00	0.197	35	1331770000
9	5.00	0.197	30	1331780000
10	5.00	0.197	25	1331790000
11	5.00	0.197	25	1331800000
12	5.00	0.197	25	1331810000
13	5.00	0.197	20	1331820000
14	5.00	0.197	20	1331830000
15	5.00	0.197	20	1331840000
16	5.00	0.197	15	1331850000
17	5.00	0.197	15	1331870000
18	5.00	0.197	15	1331880000
19	5.00	0.197	15	1331890000
20	5.00	0.197	15	1331910000
21	5.00	0.197	10	1331920000
22	5.00	0.197	10	1331930000
23	5.00	0.197	10	1331940000
24	5.00	0.197	10	1331950000

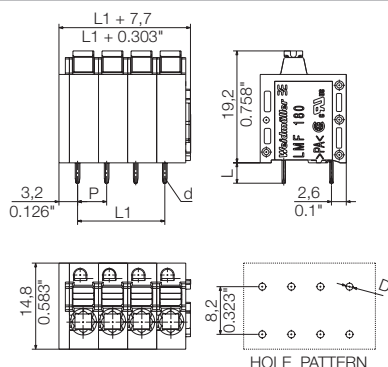
Representative deratings curve



LMF 5.00/./180



Dimensioned drawing



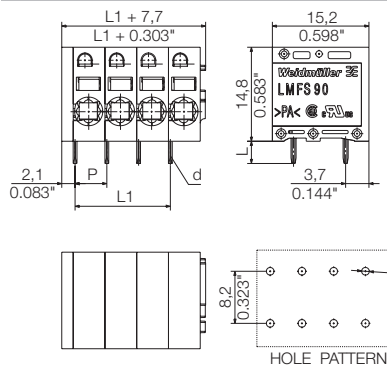
Ordering data

Solder pin length			3.5 mm	
Colour			Orange	
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	130	1330180000
3	5.00	0.197	90	1330190000
4	5.00	0.197	70	1330200000
5	5.00	0.197	55	1330210000
6	5.00	0.197	45	1330220000
7	5.00	0.197	40	1330230000
8	5.00	0.197	35	1330240000
9	5.00	0.197	30	1330250000
10	5.00	0.197	30	1330270000
11	5.00	0.197	25	1330280000
12	5.00	0.197	25	1330290000
13	5.00	0.197	20	1330300000
14	5.00	0.197	20	1330310000
15	5.00	0.197	20	1330320000
16	5.00	0.197	15	1330330000
17	5.00	0.197	15	1330340000
18	5.00	0.197	15	1330350000
19	5.00	0.197	15	1330370000
20	5.00	0.197	15	1330380000
21	5.00	0.197	10	1330390000
22	5.00	0.197	10	1330400000
23	5.00	0.197	10	1330410000
24	5.00	0.197	10	1330420000

LMFS 5.00/./90



Dimensioned drawing



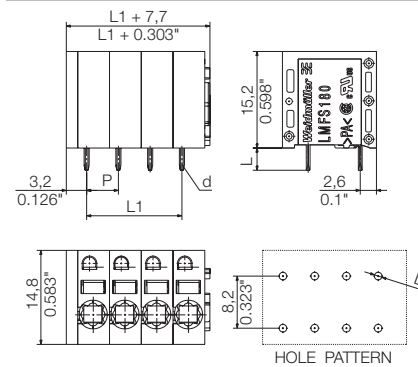
Ordering data

Solder pin length			3.5 mm	
Colour			Orange	
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	130	1331960000
3	5.00	0.197	90	1331970000
4	5.00	0.197	70	1331980000
5	5.00	0.197	55	1331990000
6	5.00	0.197	45	1332010000
7	5.00	0.197	40	1332020000
8	5.00	0.197	35	1332030000
9	5.00	0.197	30	1332040000
10	5.00	0.197	25	1332050000
11	5.00	0.197	25	1332060000
12	5.00	0.197	25	1332070000
13	5.00	0.197	20	1332080000
14	5.00	0.197	20	1332090000
15	5.00	0.197	20	1332110000
16	5.00	0.197	15	1332120000
17	5.00	0.197	15	1332130000
18	5.00	0.197	15	1332140000
19	5.00	0.197	15	1332150000
20	5.00	0.197	15	1332160000
21	5.00	0.197	10	1332170000
22	5.00	0.197	10	1332180000
23	5.00	0.197	10	1332190000
24	5.00	0.197	10	1332200000

LMFS 5.00/./180



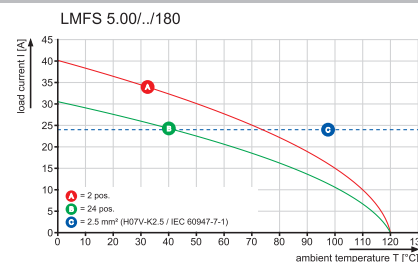
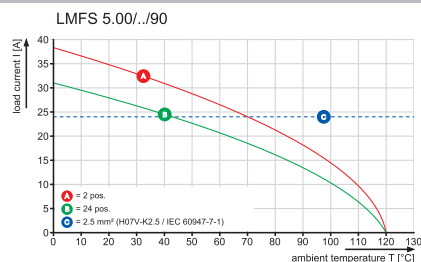
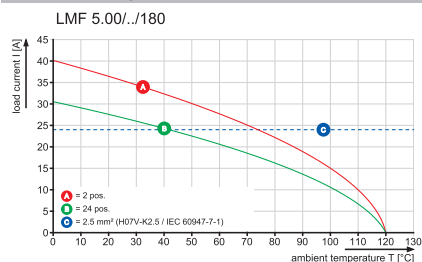
Dimensioned drawing



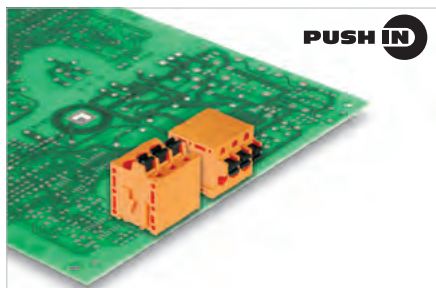
Ordering data

Solder pin length			3.5 mm	
Colour			Orange	
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	130	1330430000
3	5.00	0.197	90	1330440000
4	5.00	0.197	70	1330450000
5	5.00	0.197	55	1330470000
6	5.00	0.197	45	1330490000
7	5.00	0.197	40	1330500000
8	5.00	0.197	35	1330510000
9	5.00	0.197	30	1330520000
10	5.00	0.197	30	1330530000
11	5.00	0.197	25	1330540000
12	5.00	0.197	25	1330550000
13	5.00	0.197	20	1330570000
14	5.00	0.197	20	1330580000
15	5.00	0.197	20	1330590000
16	5.00	0.197	15	1330610000
17	5.00	0.197	15	1330620000
18	5.00	0.197	15	1330630000
19	5.00	0.197	15	1330640000
20	5.00	0.197	15	1330650000
21	5.00	0.197	10	1330670000
22	5.00	0.197	10	1330680000
23	5.00	0.197	10	1330690000
24	5.00	0.197	10	1330700000

Additional deratings curves



LMF & LMFS



With the new LMF, we are meeting current market requirements for a PCB terminal with a "PUSH IN" connection system for conductor cross-sections up to 2.5 mm².

- "PUSH IN" connection system
- Pusher for opening the terminal point
- Integrated test point
- 90° and 180° wire outlet direction

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 20 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

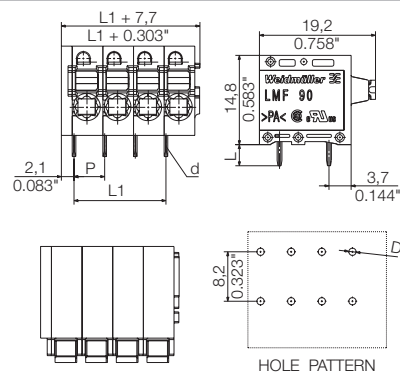
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LMF 5.08/.. /90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²	0.12...2.5	
Solid core H05(07) V-U	mm²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm²	0.2...2.5	
Flexible with ferrule	mm²	0.25...2.5	
Ferrule with plastic collar	mm²	0.25...2.5	
Stripping length	mm	10	
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	24	24
At ambient temperature		20°C	40°C
For conductor cross-section	mm²		
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

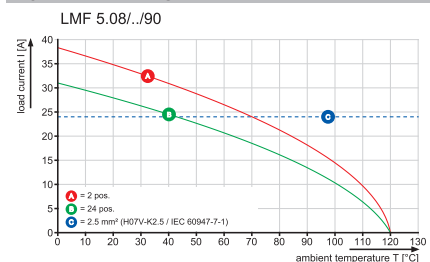
Note: Refer to the Accessories chapter for additional accessories.

Test plug	Order No.
PS 2.0 MC	0310000000
Screwdriver	
SDS 0.6X3.5X100	9008330000

Ordering data

Solder pin length		3.5 mm		
Colour		Orange		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	130	1330710000
3	5.08	0.200	90	1330720000
4	5.08	0.200	70	1330730000
5	5.08	0.200	55	1330740000
6	5.08	0.200	45	1330750000
7	5.08	0.200	40	1330770000
8	5.08	0.200	35	1330780000
9	5.08	0.200	30	1330790000
10	5.08	0.200	25	1330800000
11	5.08	0.200	25	1330810000
12	5.08	0.200	20	1330820000
13	5.08	0.200	20	1330830000
14	5.08	0.200	20	1330840000
15	5.08	0.200	15	1330850000
16	5.08	0.200	15	1330870000
17	5.08	0.200	15	1330880000
18	5.08	0.200	15	1330890000
19	5.08	0.200	15	1330900000
20	5.08	0.200	15	1330910000
21	5.08	0.200	10	1330920000
22	5.08	0.200	10	1330930000
23	5.08	0.200	10	1330940000
24	5.08	0.200	10	1330950000

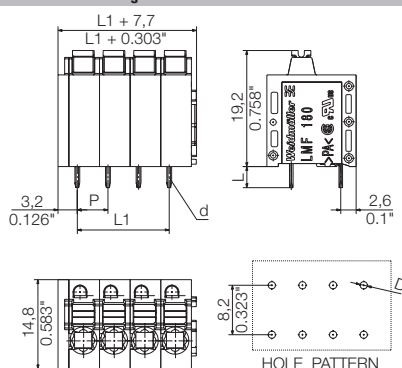
Representative deratings curve



LMF 5.08/./180



Dimensioned drawing



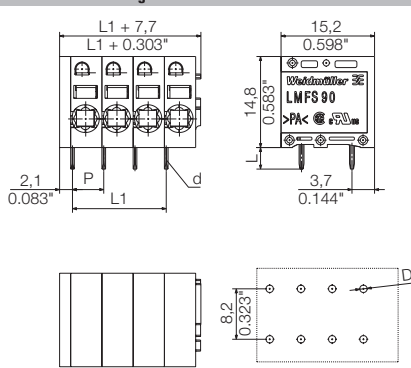
Ordering data

Solder pin length		3.5 mm	
Colour		Orange	
Pitch	5.08 mm		
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	130 1331080000
3	5.08	0.200	90 1331100000
4	5.08	0.200	70 1331120000
5	5.08	0.200	55 1331140000
6	5.08	0.200	45 1331160000
7	5.08	0.200	40 1331180000
8	5.08	0.200	35 1331200000
9	5.08	0.200	30 1331220000
10	5.08	0.200	25 1331240000
11	5.08	0.200	25 1331260000
12	5.08	0.200	20 1331280000
13	5.08	0.200	20 1331300000
14	5.08	0.200	20 1331310000
15	5.08	0.200	15 1331320000
16	5.08	0.200	15 1331330000
17	5.08	0.200	15 1331340000
18	5.08	0.200	15 1331350000
19	5.08	0.200	15 1331370000
20	5.08	0.200	15 1331380000
21	5.08	0.200	10 1331390000
22	5.08	0.200	10 1331400000
23	5.08	0.200	10 1331410000
24	5.08	0.200	10 1331420000

LMFS 5.08/./90



Dimensioned drawing



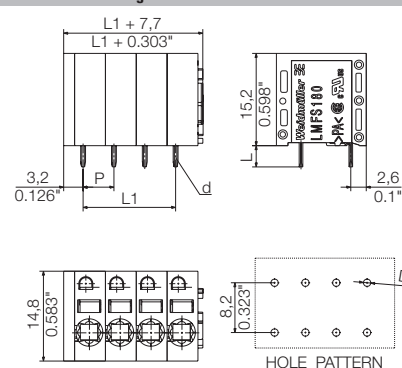
Ordering data

Solder pin length		3.5 mm	
Colour		Orange	
Pitch	5.08 mm		
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	130 1330960000
3	5.08	0.200	90 1330970000
4	5.08	0.200	70 1330980000
5	5.08	0.200	55 1330990000
6	5.08	0.200	45 1331000000
7	5.08	0.200	40 1331010000
8	5.08	0.200	35 1331020000
9	5.08	0.200	30 1331030000
10	5.08	0.200	25 1331040000
11	5.08	0.200	25 1331050000
12	5.08	0.200	20 1331060000
13	5.08	0.200	20 1331070000
14	5.08	0.200	20 1331090000
15	5.08	0.200	15 1331110000
16	5.08	0.200	15 1331130000
17	5.08	0.200	15 1331150000
18	5.08	0.200	15 1331170000
19	5.08	0.200	15 1331190000
20	5.08	0.200	15 1331210000
21	5.08	0.200	10 1331230000
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23	5.08	0.200	10 1331270000
24	5.08	0.200	10 1331290000

LMFS 5.08/./180



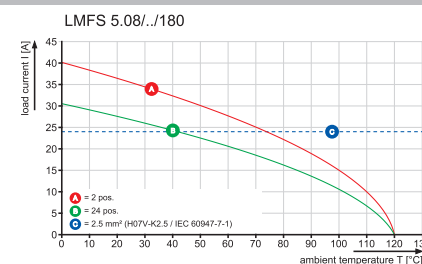
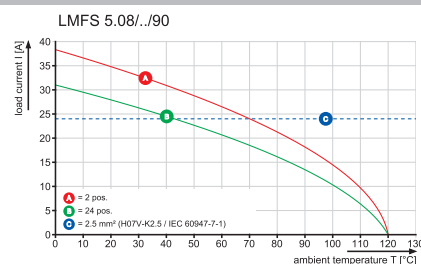
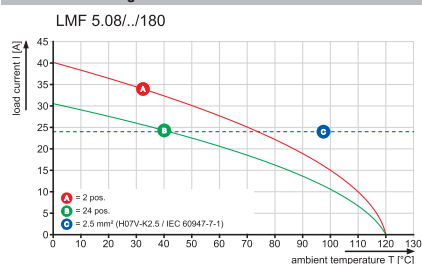
Dimensioned drawing



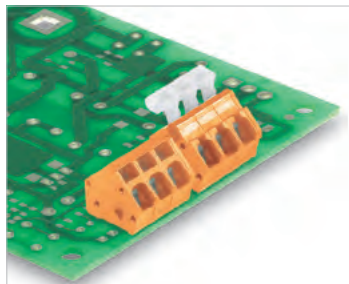
Ordering data

Solder pin length		3.5 mm	
Colour		Orange	
Pitch	5.08 mm		
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	130 1331430000
3	5.08	0.200	90 1331440000
4	5.08	0.200	70 1331450000
5	5.08	0.200	55 1331470000
6	5.08	0.200	45 1331480000
7	5.08	0.200	40 1331490000
8	5.08	0.200	35 1331500000
9	5.08	0.200	30 1331510000
10	5.08	0.200	25 1331520000
11	5.08	0.200	25 1331530000
12	5.08	0.200	20 1331540000
13	5.08	0.200	20 1331550000
14	5.08	0.200	20 1331570000
15	5.08	0.200	15 1331580000
16	5.08	0.200	15 1331590000
17	5.08	0.200	15 1331610000
18	5.08	0.200	15 1331620000
19	5.08	0.200	15 1331630000
20	5.08	0.200	15 1331640000
21	5.08	0.200	10 1331650000
22	5.08	0.200	10 1331670000
23	5.08	0.200	10 1331680000
24	5.08	0.200	10 1331690000

Additional deratings curves



LMZF & LMZFL 5/..../135



The compact installation terminal with tension-clamp wire connection, in 5.00 mm pitch for wire cross-sections up to 2.5 mm².

- Variable pitch 5.00-5.08 mm
- 1 component = 2 pitches.
- Wire outlet direction of 135°.
- Convenient: optional lever for simple opening of terminal point.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid core H05(07) V-U	mm ²	0.13...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.13...2.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.4 x 2.5	
According to norm		DIN 5264-A	
Tightening torque range	Nm		
Rated current, max.	A	24	24
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	20	10
AWG conductor	AWG	26-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		E-Cu	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8 x 0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 630 V / 24 A / 0.13 - 2.5 mm²
UL: 300 V / 15 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

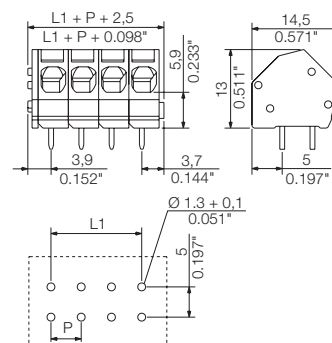
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LMZF 5/..../135



Dimensioned drawing



Accessories

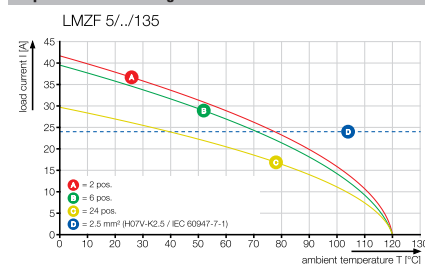
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000

Ordering data

Solder pin length		3.5 mm		
Colour		Orange		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1913780000
3	10.00	0.394	100	1913820000
4	15.00	0.591	100	1913960000
5	20.00	0.787	100	1914000000
6	25.00	0.984	100	1914020000
7	30.00	1.181	100	1914030000
8	35.00	1.378	100	1914040000
9	40.00	1.575	100	1914050000
10	45.00	1.772	100	1914070000
11	50.00	1.969	100	1914080000
12	55.00	2.165	100	1914090000
13	60.00	2.362	100	1960140000
14	65.00	2.559	100	1960150000
15	70.00	2.756	100	1960160000
16	75.00	2.953	100	1960170000
17	80.00	3.150	50	1960180000
18	85.00	3.346	50	1960190000
19	90.00	3.543	50	1960200000
20	95.00	3.740	50	1960210000
21	100.00	3.937	50	1960220000
22	105.00	4.134	50	1960230000
23	110.00	4.331	50	1960240000
24	115.00	4.528	50	1960250000

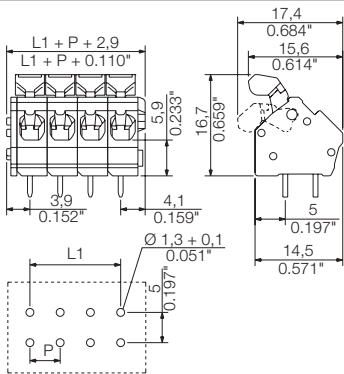
Representative deratings curve



LMZFL 5/.. /135



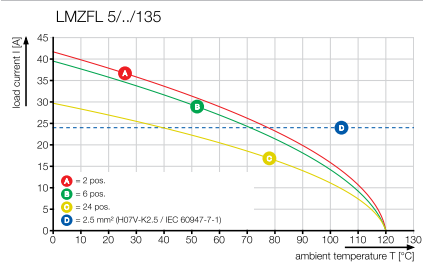
Dimensioned drawing



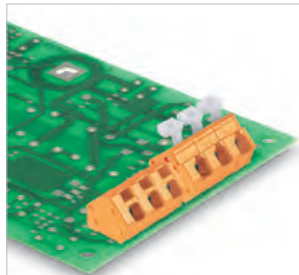
Ordering data

Solder pin length		3.5 mm	
Colour		Orange	
Pitch		5.00 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.00	0.197	100 1914560000
3	10.00	0.394	100 1914580000
4	15.00	0.591	100 1914590000
5	20.00	0.787	100 1914600000
6	25.00	0.984	100 1914640000
7	30.00	1.181	100 1914720000
8	35.00	1.378	100 1914790000
9	40.00	1.575	100 1914830000
10	45.00	1.772	100 1914860000
11	50.00	1.969	100 1914990000
12	55.00	2.165	100 1915030000
13	60.00	2.362	50 1958320000
14	65.00	2.559	50 1958330000
15	70.00	2.756	50 1958350000
16	75.00	2.953	50 1958370000
17	80.00	3.150	50 1958390000
18	85.00	3.346	50 1958410000
19	90.00	3.543	50 1958440000
20	95.00	3.740	50 1958450000
21	100.00	3.937	50 1958470000
22	105.00	4.134	50 1958490000
23	110.00	4.331	50 1958500000
24	115.00	4.528	50 1958510000

Additional deratings curves



LMZF & LMZFL 7../135



The compact installation terminal with tension-clamp wire connection, in 7.50 mm pitch for wire cross-sections up to 2.5 mm².

- Variable pitch 7.50-7.62 mm
- 1 component = 2 pitches.
- Wire outlet direction of 135°.
- Convenient: optional lever for simple opening of terminal point.

Product data

IEC: 1000 V / 24 A / 0.13 - 2.5 mm²

UL: 300 V / 15 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

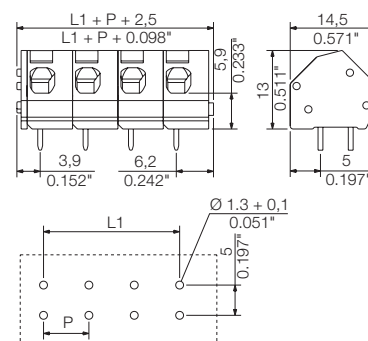
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LMZF 7../135



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid core H05(07) V-U	mm ²	0.13...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.13...2.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264-A	
Tightening torque range	Nm		
Rated current, max.	A	24	24
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	400	800 1000
Rated impulse voltage	kV	6	6 6
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	150 300
Rated current	A	15	15 10
AWG conductor	AWG	26-14	
CSA (Use Group)	B C D		
Rated voltage	V	300	150 300
Rated current	A	15	15 10
AWG conductor	AWG	26-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		E-Cu	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8 x 0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

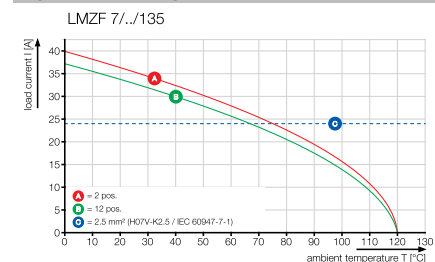
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.6X3.5X100	9008390000
	SDS 0.6X3.5X100	9008330000

Ordering data

Solder pin length		3.5 mm		
Colour		Orange		
Pitch	7.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	7.50	0.295	100	1952570000
3	15.00	0.591	100	1952580000
4	22.50	0.886	100	1952590000
5	30.00	1.181	100	1952600000
6	37.50	1.476	100	1952610000
7	45.00	1.772	100	1952620000
8	52.50	2.067	100	1952630000
9	60.00	2.362	100	1952640000
10	67.50	2.657	100	1952650000
11	75.00	2.953	100	1952660000
12	82.50	3.248	100	1952670000

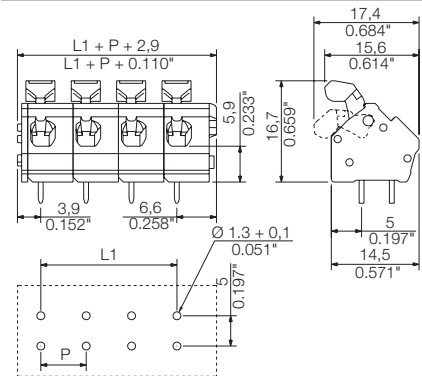
Representative deratings curve



LMZFL 7../135



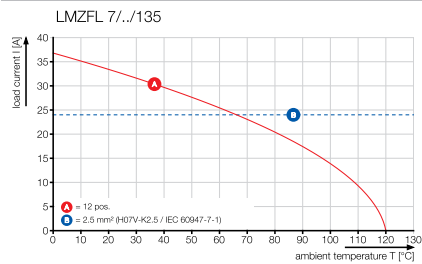
Dimensioned drawing



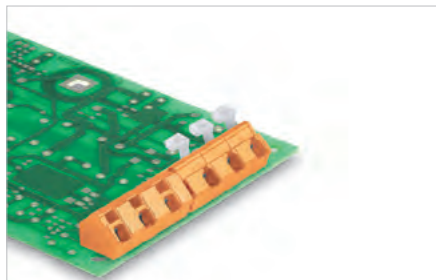
Ordering data

Solder pin length		3.5 mm	
Colour		Orange	
Pitch		7.50 mm	
Pol.	L1	(inch)	Qty. Order No.
2	7.50	0.295	100 1953010000
3	15.00	0.591	100 1953020000
4	22.50	0.886	100 1953030000
5	30.00	1.181	100 1953040000
6	37.50	1.476	100 1953050000
7	45.00	1.772	100 1953060000
8	52.50	2.067	100 1953070000
9	60.00	2.362	100 1953080000
10	67.50	2.657	100 1953090000
11	75.00	2.953	100 1953100000
12	82.50	3.248	100 1953110000

Additional deratings curves



LMZF & LMZFL 10.././135



The compact installation terminal with tension-clamp wire connection, in 10.00 mm pitch for wire cross-sections up to 2.5 mm².

- Variable pitch 10.00-10.16 mm
- 1 component = 2 pitches.
- Wire outlet direction of 135°.
- Convenient: optional lever for simple opening of terminal point.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid core H05(07) V-U	mm ²	0.13...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.13...2.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	6	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm		
Rated current, max.	A	24	24
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	500	1000
Rated impulse voltage	kV	8	8 8
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	150 300
Rated current	A	15	15 10
AWG conductor	AWG	26-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	150 300
Rated current	A	15	15 10
AWG conductor	AWG	26-14	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		E-Cu	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8 x 0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 1000 V / 24 A / 0.13 - 2.5 mm²

UL: 300 V / 15 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

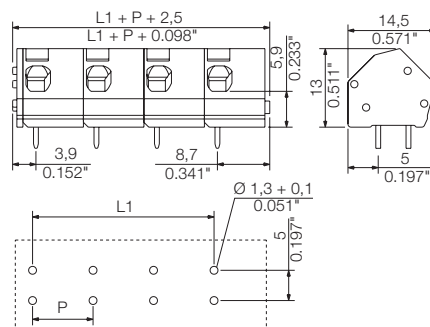
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LMZF 10.././135



Dimensioned drawing



Accessories

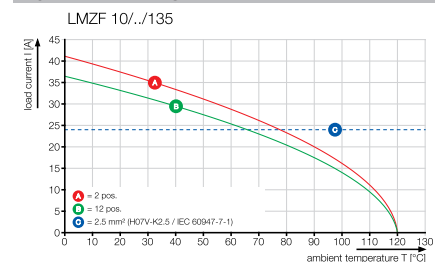
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000

Ordering data

Solder pin length		3.5 mm	
Colour		Orange	
Pitch	10.00 mm		
Pol.	L1	(inch)	Qty. Order No.
2	10.00	0.394	100 1953470000
3	20.00	0.787	100 1953480000
4	30.00	1.181	100 1953490000
5	40.00	1.575	100 1953500000
6	50.00	1.969	100 1953510000
7	60.00	2.362	100 1953520000
8	70.00	2.756	100 1953530000
9	80.00	3.150	100 1953540000
10	90.00	3.543	100 1953550000
11	100.00	3.937	100 1953560000
12	110.00	4.331	100 1953570000

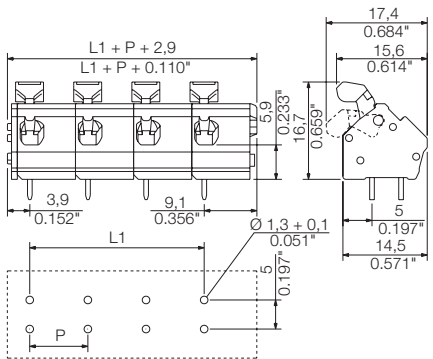
Representative deratings curve



LMZFL 10../135



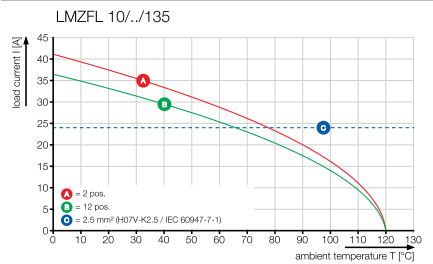
Dimensioned drawing



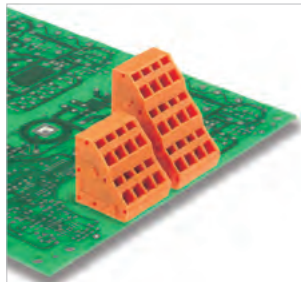
Ordering data

Solder pin length		3.5 mm	
Colour		Orange	
Pitch		10.00 mm	
Pol.	L1	(inch)	Qty. Order No.
2	10.00	0.394	100 1953930000
3	20.00	0.787	100 1953940000
4	30.00	1.181	100 1953950000
5	40.00	1.575	100 1953960000
6	50.00	1.969	100 1953970000
7	60.00	2.362	100 1953980000
8	70.00	2.756	100 1953990000
9	80.00	3.150	100 1954000000
10	90.00	3.543	100 1954010000
11	100.00	3.937	100 1954020000
12	110.00	4.331	100 1954030000

Additional deratings curves



LMZF 5.08, multi level



The high-performance device interface with a high connection density. Multi-level PCB terminal with clamping yoke screw connection in 5.08 mm pitch, suitable for wire cross-sections up to 2.5 mm².

- Wire outlet direction of 135°.
- Simple change of connection method - layout is compatible with multi-level screw terminals.

Product data

IEC: 630 V / 15 A / 0.2 - 2.5 mm²
UL: 300 V / 10 A / AWG 24 - 14



For additional articles and information, refer to catalog.weidmueller.com

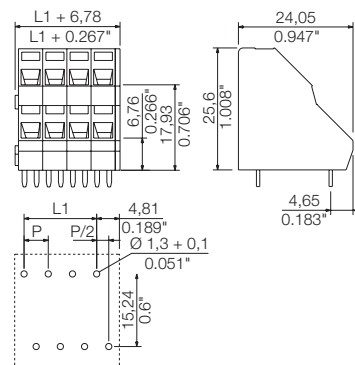
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

LM2NZF 5.08../135



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1.5	
Stripping length	mm	7.5	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264-A	
Tightening torque range	Nm		
Rated current, max.	A	15	13
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 630
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	24-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	24-14	
General data			
Type of insulation material		PA	
UL 94 flammability rating		V-2	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8 x 1.0	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0.1	

Accessories

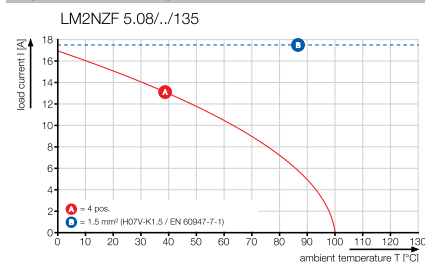
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver	Order No.
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000

Ordering data

Solder pin length		3.5 mm		
Colour		Orange		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1764810000
6	10.16	0.400	50	1764820000
8	15.24	0.600	50	1764830000
10	20.32	0.800	50	1764840000
12	25.40	1.000	50	1764850000
14	30.48	1.200	20	1764860000
16	35.56	1.400	20	1764870000
18	40.64	1.600	20	1764880000
20	45.72	1.800	20	1758020000
22	50.80	2.000	20	1764890000
24	55.88	2.200	10	1764900000
26	60.96	2.400	10	1782500000
28	66.04	2.600	10	1782510000
30	71.12	2.800	10	1782520000
32	76.20	3.000	10	1782530000
34	81.28	3.200	10	1782540000
36	86.36	3.400	10	1782550000

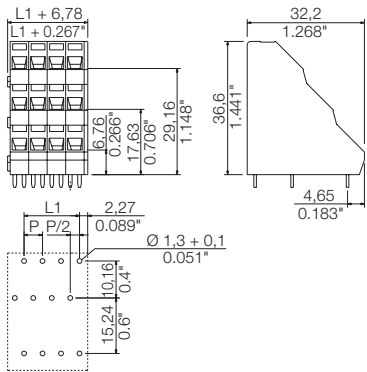
Representative deratings curve



LM3RZF 5.08/./135



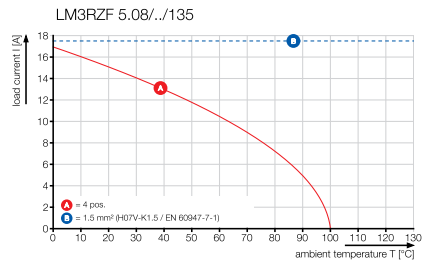
Dimensioned drawing



Ordering data

Solder pin length		3.5 mm		
Colour		Orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
6	5.08	0.200	50	1764910000
9	10.16	0.400	50	1764920000
12	15.24	0.600	50	1764930000
15	20.32	0.800	20	1764940000
18	25.40	1.000	20	1764950000
21	30.48	1.200	20	1758040000
24	35.56	1.400	10	1764960000
27	40.64	1.600	10	1764970000
30	45.72	1.800	10	1758030000
33	50.80	2.000	10	1764980000
36	55.88	2.200	10	1764990000
48	76.20	3.000	10	1758050000

Additional deratings curves



OMNIMATE Signal

PCB connectors in 3.50 mm pitch

OMNIMATE Signal PCB connectors in 3.50 mm pitch	Double-row connectors in 3.50 mm pitch Series B2C/S2C 3.50	Explanation	C.2
		Quick selection	C.4
		Product selection	C.6
	Connectors in 3.50 mm pitch Series BL/SL 3.50	Explanation	C.20
		Quick selection	C.24
		Product selection	C.26

Powerful compact connector with "PUSH IN" wire connection

OMNIMATE Signal – simple and safe connection for wires up to 1.5 mm²



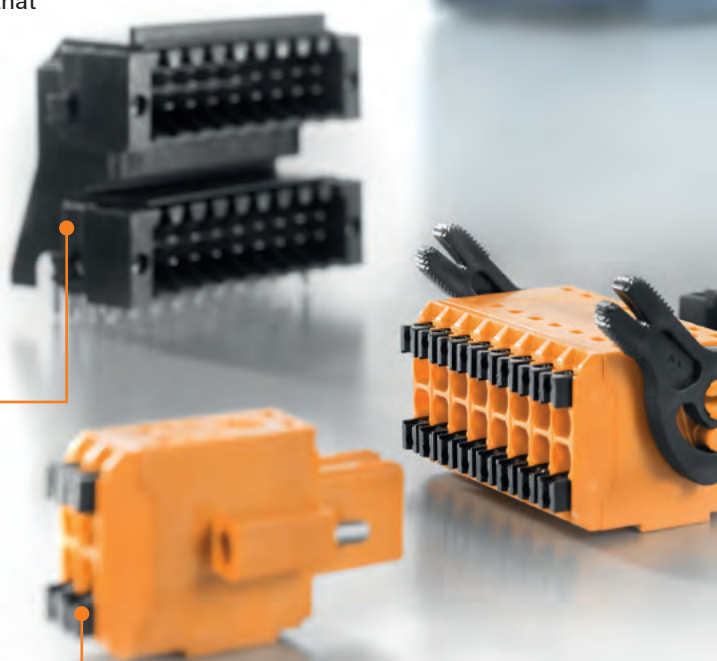
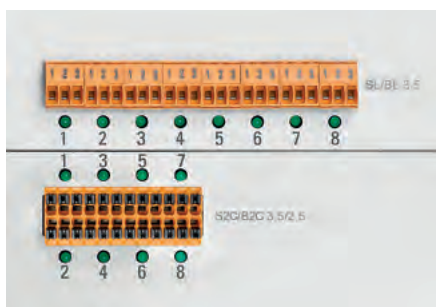
C

When designing customised device connectivity products for modern applications, it is becoming increasingly important to find the perfect fit between device miniaturisation and increased device functionality. Our new double-row OMNIMATE B2CF Signal connector, in 3.5 mm pitch, has this perfect fit and enables a new generation of more compact installations.

This connector is easy to work with, despite the increased functionality being packed into a compact space. The "PUSH IN" direct-insert wire connection mechanism allows you to conveniently connect the signal wires. There are more useful features: the tool-free locking and unlocking, the touch-safe male header, and the outstanding clarity provided by easy-to-read markers that identify each terminal point.

Packing Density 2.0

Smaller devices with increased technical capabilities are being designed for more applications. They take advantage of more contacts packed onto a small surface and a large wire cross-section capacity.



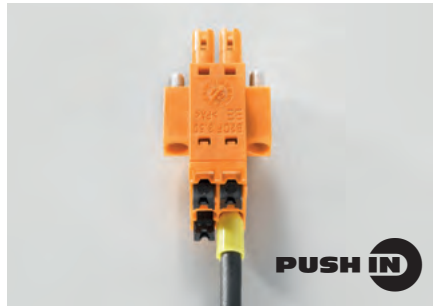
Clear frontal marking

Clarity is enhanced with clearly legible markers at each terminal point and unique labelling of the installation position.



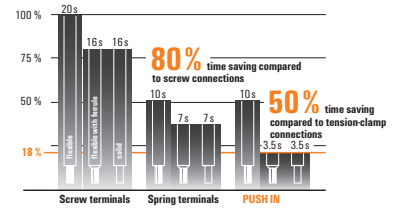
Large wire cross-sections

You can easily connect wires with cross-sections up to 1.5 mm² (when using wire-end ferrules) and up to 1.0 mm² (when using ferrules and plastic collars).



Direct insertion

PUSH IN: the quick, tool-free, intuitive connection mechanism for prepared wires. www.push-in.com



Halogen-free and IEC 60335

Halogen-free materials ensure future compatibility and extended approvals enhance the range of use for new device designs.



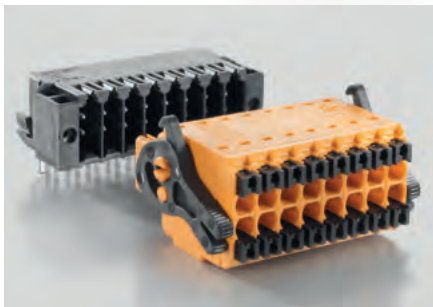
Convincing system accessories

Our matching accessories – including markers, light guides, strain relief and coding – improve operational safety and enable a professional design.



Convincing safety during use

This connector system is safe to use, with attractive features such as quick wire connections, tool-free locking and unlocking, and touch-safe design.



Solid "PUSH IN" contacts

A safe, permanent connection is ensured by the optimised spring steel and specially-shaped contact element.



<http://www.OMNIMATE.net>

○

= Wire-to-Board

●

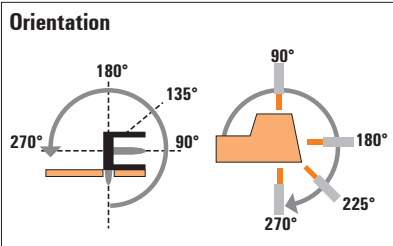
= Board-to-Board

●

= Wire-to-Wire

●

= Board-to-Wire



C

B2C/S2C 3.50 series



B2C/S2C 3.50 series

						Levels
Type		Orientation				
		Flange options				
		IEC / UL				
						Page

Female plug	Spring PUSH IN		B2CF	180°	(G)/F/LR	IEC: 320 V/13.4 A/0.14 - 1.5 mm ² UL: 300 V/10 A/AWG 26 - 16	C.12
	Tension clamp (with internal cross connection)		B2L QV	180°	(G)/F/LH	IEC: 200 V/10.6 A/0.2 - 1 mm ² UL: 150 V/7 A/AWG 28 - 18	C.18

Female connector:
 (G)*= Closed (without flange)
 F = Screw flange with screw
 LH = Release lever
 LR = Lock & Release lever

Male header:
 G = Closed (without flange)
 F = Screw flange with nut
 LF = Solder flange with nut

* not included in the article description

Male header


Reflow solder connection


Solder connection

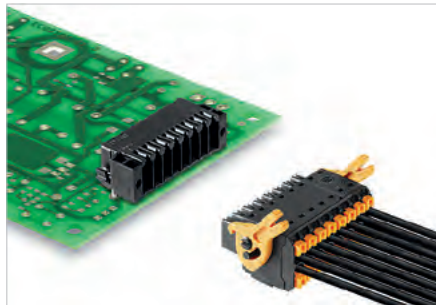


1		2	1	
S2C-SMT	S2C-SMT	S2CD-THR	S2L	S2L
90°	180°	90°	90°	180°
G/LF	G/LF	G/LF	G/F	G/F
IEC: 200 V/13.4 A UL: 150 V/10 A	IEC: 200 V/13.4 A UL: 150 V/10 A	IEC: 200 V/7.9 A UL: 150 V/7 A	IEC: 250 V/10 A UL: 150 V/10 A	IEC: 250 V/10 A UL: 150 V/10 A
C.6	C.8	C.10	C.14	C.16
				
				

Double-row connectors in 3.50 mm pitch

Series B2C/S2C 3.50

B2CF/S2C and B2L/S2C 3.50 series



High-temperature-resistant, double-row male header

- Finger-safe
- Plugging direction parallel to PCB (recumbent / 90°)
- Housing variants: closed (G) and with solder flange (LF)
- Packed either in a box (BX) or tape-on-reel (RL)
- Suitable for reflow and wave soldering applications
- Pin length of either 1.5 mm or 3.2 mm
- Can be plugged into female plug B2CF 3.50/./180..

Product data

IEC: 200 V / 13.4 A

UL: 150 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

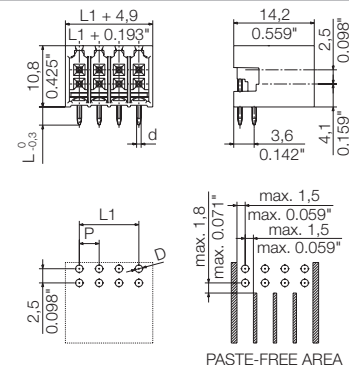
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

S2C-SMT 3.50/./90G Box

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	13.4	12	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	80	160	200
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		B	C	D
Rated voltage	V	150	50	
Rated current	A	10	10	
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	150		
Rated current	A	10		
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
B2L/S2L 3.50 KO BK BX	1849740000
B2L/S2L 3.50 KO OR BX	1849730000
LED light guide	
S2L-SMT 3.5 FLA 20/10	1814590000

Ordering data

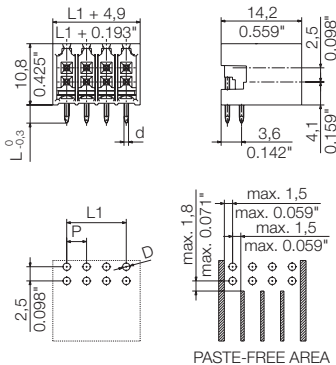
Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	3.50	0.138	222	1289630000	1288980000
6	7.00	0.276	156	1289640000	1289270000
8	10.50	0.413	120	1289650000	1289280000
10	14.00	0.551	96	1289670000	1289290000
12	17.50	0.689	84	1289680000	1289300000
14	21.00	0.827	72	1289700000	1289310000
16	24.50	0.965	60	1289710000	1289320000
18	28.00	1.102	54	1289720000	1289330000
20	31.50	1.240	48	1289730000	1289340000
22	35.00	1.378	42	1289740000	1289350000
24	38.50	1.516	42	1289750000	1289370000
26	42.00	1.654	36	1289770000	1289380000
28	45.50	1.791	36	1289780000	1289390000
30	49.00	1.929	30	1289790000	1289410000
32	52.50	2.067	30	1289800000	1289420000
34	56.00	2.205	30	1289810000	1289430000
36	59.50	2.343	24	1289820000	1289440000

S2C-SMT 3.50/./90G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

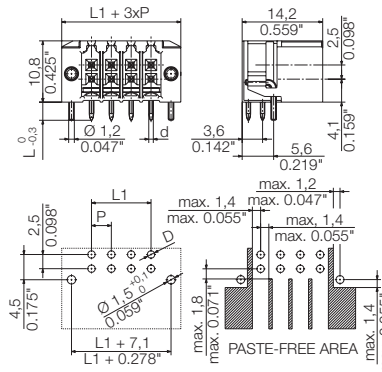
Solder pin length		1.5 mm	3.2 mm
Colour		Black	Black
Pitch		3.50 mm	
Pol.	L1 (inch)	Qty.	Order No.
4	3.50	0.138 235	1359580000 1359460000
6	7.00	0.276 235	1359590000 1359470000
8	10.50	0.413 235	1359600000 1359480000
10	14.00	0.551 235	1359610000 1359490000
12	17.50	0.689 235	1359620000 1359510000
14	21.00	0.827 235	1359630000 1359520000
16	24.50	0.965 235	1359640000 1359530000
18	28.00	1.102 235	1359650000 1359540000
20	31.50	1.240 235	1359670000 1359550000
22	35.00	1.378 235	1359680000 1359560000
24	38.50	1.516 235	1359690000 1359570000

S2C-SMT 3.50/./90LF Box

with solder flange



Dimensioned drawing



Ordering data

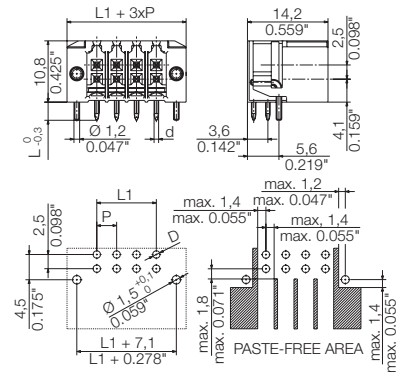
Solder pin length		1.5 mm	3.2 mm
Colour		Black	Black
Pitch		3.50 mm	
Pol.	L1 (inch)	Qty.	Order No.
4	3.50	0.138 132	1289830000 1289450000
6	7.00	0.276 102	1289840000 1289460000
8	10.50	0.413 84	1289850000 1289470000
10	14.00	0.551 72	1289870000 1289480000
12	17.50	0.689 66	1289880000 1289490000
14	21.00	0.827 54	1289890000 1289500000
16	24.50	0.965 48	1289910000 1289510000
18	28.00	1.102 48	1289930000 1289520000
20	31.50	1.240 42	1289940000 1289530000
22	35.00	1.378 36	1289950000 1289540000
24	38.50	1.516 36	1289960000 1289550000
26	42.00	1.654 30	1289970000 1289570000
28	45.50	1.791 30	1289980000 1289580000
30	49.00	1.929 30	1289990000 1289590000
32	52.50	2.067 24	1290000000 1289600000
34	56.00	2.205 24	1290010000 1289610000
36	59.50	2.343 24	1290020000 1289620000

S2C-SMT 3.50/./90LF Tape

with solder flange; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm	3.2 mm
Colour		Black	Black
Pitch		3.50 mm	
Pol.	L1 (inch)	Qty.	Order No.
4	3.50	0.138 235	1359080000 1358890000
6	7.00	0.276 235	1359090000 1358910000
8	10.50	0.413 235	1359110000 1358930000
10	14.00	0.551 235	1359120000 1358950000
12	17.50	0.689 235	1359130000 1358980000
14	21.00	0.827 235	1359140000 1359010000
16	24.50	0.965 235	1359150000 1359030000
18	28.00	1.102 235	1359160000 1359050000
20	31.50	1.240 235	1359170000 1359070000

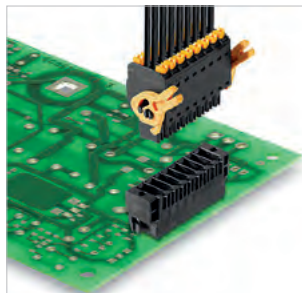
Tape widths: 32, 44, 56, 72, 88

Tape widths: 32, 44, 56, 72, 88

Double-row connectors in 3.50 mm pitch

Series B2C/S2C 3.50

S2C-SMT 3.50/./180



High-temperature-resistant, double-row male header

- Finger-safe
- Plugging direction vertical to PCB (standing / 180°)
- Housing variants: closed (G) and with solder flange (LF)
- Packed either in a box (BX) or tape-on-reel (RL)
- Suitable for reflow and wave soldering applications
- Pin length of either 1.5 mm or 3.2 mm
- Pluggable to female connector B2CF 3.50/./180..

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	13.4	12	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	80	160	200
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)	B	C	D	
Rated voltage	V	150	50	
Rated current	A	10	10	
AWG conductor	AWG		-	
CSA (Use Group)	B	C	D	
Rated voltage	V	150		
Rated current	A	10		
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 200 V / 13.4 A

UL: 150 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

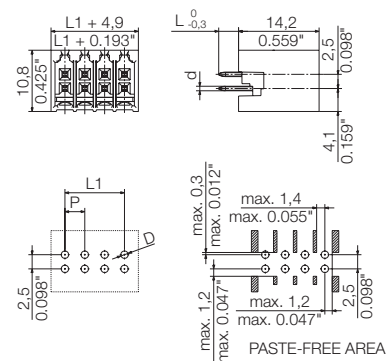
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

S2C-SMT 3.50/./180G Box

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.	
B2L/S2L 3.50 KO BK BX	1849740000	
B2L/S2L 3.50 KO OR BX	1849730000	

Ordering data

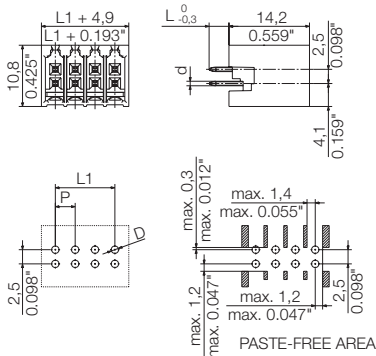
Solder pin length				1.5 mm	3.5 mm
Colour				Black	Black
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	3.50	0.138	222	1290410000	1290030000
6	7.00	0.276	156	1290420000	1290040000
8	10.50	0.413	120	1290430000	1290050000
10	14.00	0.551	96	1290440000	1290060000
12	17.50	0.689	78	1290450000	1290070000
14	21.00	0.827	72	1290460000	1290080000
16	24.50	0.965	60	1290470000	1290090000
18	28.00	1.102	54	1290480000	1290110000
20	31.50	1.240	48	1290490000	1290120000
22	35.00	1.378	42	1290510000	1290130000
24	38.50	1.516	42	1290520000	1290140000
26	42.00	1.654	36	1290530000	1290150000
28	45.50	1.791	36	1290540000	1290160000
30	49.00	1.929	30	1290550000	1290170000
32	52.50	2.067	30	1290560000	1290180000
34	56.00	2.205	30	1290570000	1290190000
36	59.50	2.343	24	1290580000	1290210000

S2C-SMT 3.50/./180G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

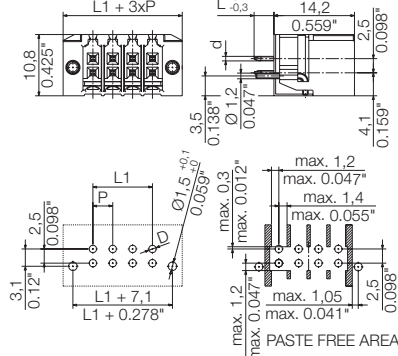
Solder pin length		1.5 mm	3.5 mm
Colour		Black	Black
Pitch	3.50 mm		
Pol.	L1 (inch)	Qty.	Order No. Order No.
4	3.50 0.138	175	1358860000 1358730000
6	7.00 0.276	175	1358870000 1358740000
8	10.50 0.413	175	1358880000 1358750000
10	14.00 0.551	175	1358890000 1358770000
12	17.50 0.689	175	1358920000 1358780000
14	21.00 0.827	175	1358940000 1358790000
16	24.50 0.965	175	1358970000 1358810000
18	28.00 1.102	175	1358990000 1358820000
20	31.50 1.240	150	1359020000 1358830000
22	35.00 1.378	150	1359040000 1358840000
24	38.50 1.516	150	1359060000 1358850000

S2C-SMT 3.50/./180LF Box

with solder flange



Dimensioned drawing



Ordering data

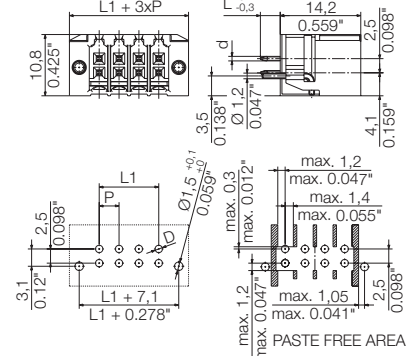
Solder pin length		1.5 mm	3.5 mm
Colour		Black	Black
Pitch	3.50 mm		
Pol.	L1 (inch)	Qty.	Order No. Order No.
4	3.50 0.138	132	1290590000 1290220000
6	7.00 0.276	102	1290610000 1290230000
8	10.50 0.413	84	1290620000 1290240000
10	14.00 0.551	72	1290640000 1290250000
12	17.50 0.689	66	1290650000 1290260000
14	21.00 0.827	54	1290660000 1290270000
16	24.50 0.965	48	1290670000 1290280000
18	28.00 1.102	48	1290680000 1290290000
20	31.50 1.240	42	1290690000 1290310000
22	35.00 1.378	36	1290710000 1290320000
24	38.50 1.516	36	1290720000 1290330000
26	42.00 1.654	30	1290730000 1290340000
28	45.50 1.791	30	1290740000 1290350000
30	49.00 1.929	30	1290750000 1290360000
32	52.50 2.067	24	1290760000 1290370000
34	56.00 2.205	24	1290770000 1290380000
36	59.50 2.343	24	1290780000 1290390000

S2C-SMT 3.50/./180LF Tape

with solder flange; tape-on-reel



Dimensioned drawing



Ordering data

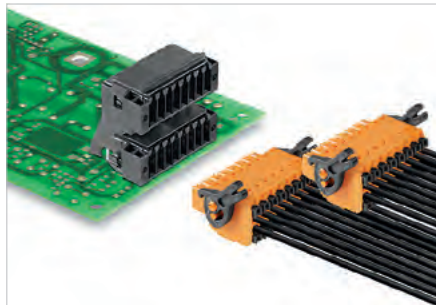
Solder pin length		1.5 mm	3.5 mm
Colour		Black	Black
Pitch	3.50 mm		
Pol.	L1 (inch)	Qty.	Order No. Order No.
4	3.50 0.138	175	1358630000 1358530000
6	7.00 0.276	175	1358640000 1358540000
8	10.50 0.413	175	1358650000 1358550000
10	14.00 0.551	175	1358670000 1358570000
12	17.50 0.689	175	1358680000 1358580000
14	21.00 0.827	175	1358690000 1358590000
16	24.50 0.965	175	1358700000 1358600000
18	28.00 1.102	150	1358710000 1358610000
20	31.50 1.240	150	1358720000 1358620000

Tape widths: 32, 44, 56, 72, 88

Tape widths: 32, 44, 56, 72, 88

Double-row connectors in 3.50 mm pitch Series B2C/S2C 3.50

S2CD-THR 3.50/./90



High contact density on a small surface: 75% space savings on the PCB. The only 4-row double-level male header for typical IP 20 sensor interfaces in 3.50 mm pitch.

- Finger-safe
- Plugging direction in parallel to circuit board (horizontal / 90°)
- Housing variants: closed (G) and with solder flange (LF)
- Packed in a cardboard box (BX)
- Suitable for reflow and wave soldering applications
- Pin length 3.2 mm
- Can be plugged into female plug B2CF 3.50/./180..

Product data

IEC: 200 V / 7.9 A

UL: 150 V / 9.5 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

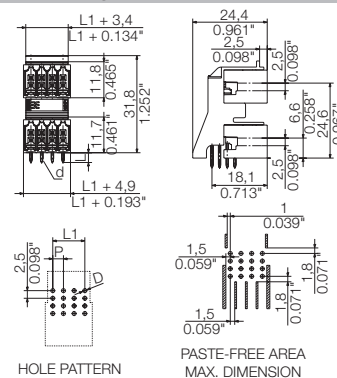
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

S2CD-THR 3.50/./90G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	7.9	6.8
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	100	160 200
Rated impulse voltage	kV	1.5	2.5 2.5
UL / CUL (Use Group)	B C D		
Rated voltage	V	150	50 50
Rated current	A	9.5	9.5 9.5
AWG conductor	AWG		-
CSA (Use Group)	B C D		
Rated voltage	V	50	
Rated current	A	5	
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
B2L/S2L 3.50 KO BK BX	1849740000
B2L/S2L 3.50 KO OR BX	1849730000



Ordering data

Solder pin length		3.2 mm	
Colour		Black	
Pitch	3.50 mm		
Pol.	L1	(inch)	Qty. Order No.
8	3.50	0.138	50 1357790000
12	7.00	0.276	50 1357800000
16	10.50	0.413	20 1357820000
20	14.00	0.551	20 1357830000
24	17.50	0.689	20 1357840000
28	21.00	0.827	20 1357850000
32	24.50	0.965	20 1357870000
36	28.00	1.102	20 1357880000

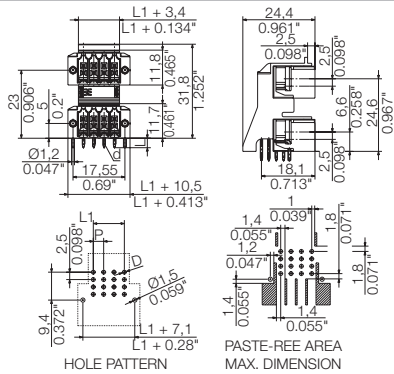
1.5 mm solder pin length available on request

S2CD-THR 3.50/./90LF

with solder flange



Dimensioned drawing



Ordering data

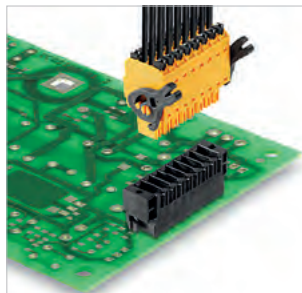
Solder pin length		3.2 mm		
Colour		Black		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
8	3.50	0.138	50	1357890000
12	7.00	0.276	50	1357900000
16	10.50	0.413	20	1357920000
20	14.00	0.551	20	1357930000
24	17.50	0.689	20	1357940000
28	21.00	0.827	20	1357950000
32	24.50	0.965	20	1357970000
36	28.00	1.102	20	1357990000

1.5 mm solder pin length available on request

Double-row connectors in 3.50 mm pitch

Series B2C/S2C 3.50

B2CF 3.50/./180



Two-row female plug with "PUSH IN" spring connection.

- Simply insert the prepared wires - finished
- Intuitive handling - since the wire-entry area and handling area are clearly separated.
- Integrated push-buttons for opening the terminal point
- High component density because of low heights
- Optional: the lock and release requires no tools when using Weidmüller's patented (LR) release latch
- Approval according to IEC 60335 and GL in preparation
- Also compatible with series: S2L 3.50, S2L-SMT 3.50 and S2LD-THR 3.50

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.14...1.5	
Solid core H05(07) V-U	mm ²	0.14...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.14...1.5	
Flexible with ferrule	mm ²	0.14...1.5	
Ferrule with plastic collar	mm ²	0.14...1	
Stripping length	mm	10	
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	13.4	12
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	50 300
Rated current	A	10	10 10
AWG conductor	AWG	26-16	
CSA (Use Group)		B	C D
Rated voltage	V	300	
Rated current	A	5	
AWG conductor	AWG	26-16	
General data			
Type of insulation material		PA 66 GF 30	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 320 V / 13.4 A / 0.14 - 1.5 mm²

UL: 300 V / 10 A / AWG 26 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

- Additional colours on request
 - Gold-plated contact surfaces on request
 - Rated current related to rated cross-section & min. No. of poles.
 - Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
 - P on drawing = pitch
 - Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
 - Max. outer diameter of the conductor 2.6 mm
- Wire-end ferrule w/plastic collar DIN 46228/4 or Weidmüller colour code
- 1.00mm² [H1.0/18D] mtl. ferrule leng. 12mm, stripping leng. 15mm
 - 0.75mm² [H0.75/18D] mtl. ferrule leng. 12mm, stripping leng. 14mm
 - 0.50mm² [H0.5/16D] mtl. ferrule leng. 10mm, stripping leng. 12mm
 - 0.34mm² [H0.34/12] mtl. ferrule leng. 8mm, stripping leng. 10mm
 - 0.25mm² [H0.25/12] mtl. ferrule leng. 8mm, stripping leng. 10mm
 - 0.14mm² [H0.14/12] mtl. ferrule leng. 8mm, stripping leng. 10mm
- Wire-end ferrule w/o plastic collar acc. to DIN 46228/1
- 1.50mm² [H1.5/10] mtl. ferrule leng. 10mm, stripping leng. 10mm
- Wire-end ferrule w/plastic collar DIN 46228/4 and 2 connec. cables
- 2 x 0.20mm² [H0.5/16] mtl. ferrule leng. 10mm, stripping leng. 12mm
 - 2 x 0.34mm² [H1.0/18] mtl. ferrule leng. 12mm, stripping leng. 15mm

Accessories

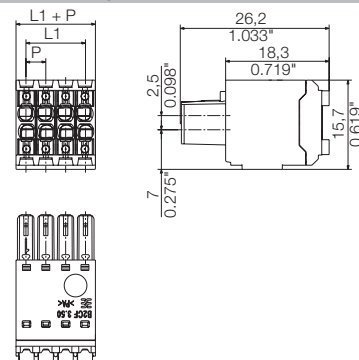
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
B2L/S2L 3.50 KO BK BX	1849740000
B2L/S2L 3.50 KO OR BX	1849730000
Strain relief	
BL 3.50 ZE03 BK BX	1627820000
BL 3.50 ZE03 OR BX	1629680000
BL 3.50 ZE08 OR BX	1629690000
Screwdriver	
SDS 0.4X2.5X75	9009030000
Crimping tool	
PZ 1.5	9005990000
PZ 6/5	9011460000

B2CF 3.50/./180



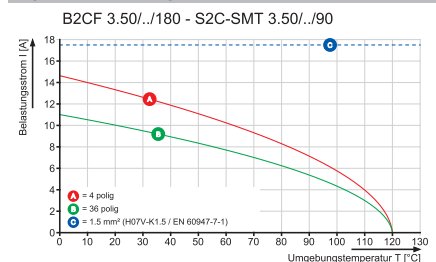
Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	3.50	0.138	264	1277270000	1277460000
6	7.00	0.276	174	1277280000	1277470000
8	10.50	0.413	132	1277290000	1277480000
10	14.00	0.551	102	1277310000	1277490000
12	17.50	0.689	84	1277320000	1277510000
14	21.00	0.827	72	1277330000	1277520000
16	24.50	0.965	66	1277340000	1277530000
18	28.00	1.102	54	1277350000	1277540000
20	31.50	1.240	48	1277360000	1277550000
22	35.00	1.378	48	1277370000	1277560000
24	38.50	1.516	42	1277380000	1277570000
26	42.00	1.654	36	1277390000	1277580000
28	45.50	1.791	36	1277410000	1277590000
30	49.00	1.929	30	1277420000	1277610000
32	52.50	2.067	30	1277430000	1277620000
34	56.00	2.205	30	1277440000	1277630000
36	59.50	2.343	24	1277450000	1277640000

Representative deratings curve

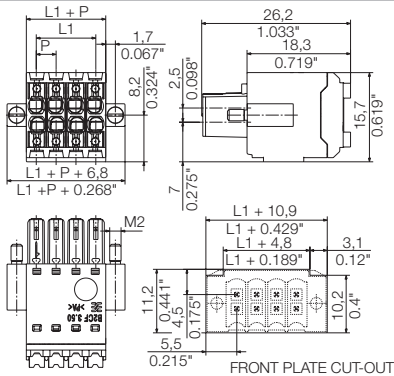


B2CF 3.50/./180F

with screw flange



Dimensioned drawing



Ordering data

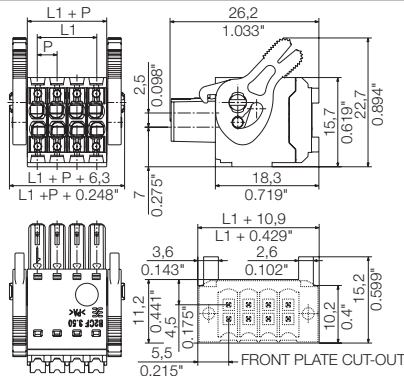
Solder pin length					
Colour			Orange		Black
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	3.50	0.138	114	1277650000	1277860000
6	7.00	0.276	108	1277670000	1277870000
8	10.50	0.413	90	1277680000	1277880000
10	14.00	0.551	72	1277690000	1277890000
12	17.50	0.689	66	1277720000	1277900000
14	21.00	0.827	60	1277730000	1277910000
16	24.50	0.965	48	1277740000	1277920000
18	28.00	1.102	48	1277750000	1277930000
20	31.50	1.240	42	1277760000	1277940000
22	35.00	1.378	36	1277770000	1277950000
24	38.50	1.516	36	1277780000	1277970000
26	42.00	1.654	30	1277790000	1277980000
28	45.50	1.791	30	1277810000	1277990000
30	49.00	1.929	30	1277820000	1278000000
32	52.50	2.067	24	1277830000	1278010000
34	56.00	2.205	24	1277840000	1278020000
36	59.50	2.343	24	1277850000	1278030000

B2CF 3.50/./180LR

with release latch



Dimensioned drawing

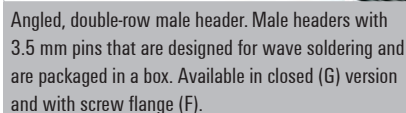


Ordering data

Solder pin length					
Colour			Orange		Black
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	3.50	0.138	138	1278040000	1278230000
6	7.00	0.276	108	1278050000	1278240000
8	10.50	0.413	90	1278060000	1278250000
10	14.00	0.551	78	1278070000	1278260000
12	17.50	0.689	66	1278080000	1278270000
14	21.00	0.827	60	1278090000	1278280000
16	24.50	0.965	54	1278100000	1278290000
18	28.00	1.102	48	1278110000	1278300000
20	31.50	1.240	42	1278120000	1278310000
22	35.00	1.378	36	1278130000	1278320000
24	38.50	1.516	36	1278140000	1278340000
26	42.00	1.654	36	1278150000	1278350000
28	45.50	1.791	30	1278170000	1278370000
30	49.00	1.929	30	1278180000	1278380000
32	52.50	2.067	30	1278190000	1278390000
34	56.00	2.205	24	1278200000	1278400000
36	59.50	2.343	24	1278210000	1278410000

Release lever (LH) see Online catalogue

C



Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Spacing between rows: see hole layout
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

closed ends



Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	10		9
At ambient temperature		20°C		40°C
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	80	125	250
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		B	C	D
Rated voltage	V	150	50	
Rated current	A	10	10	
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	150		
Rated current	A	5		
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			Cu-Leg	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.0, Octagonal	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Coding		Order No.
	B2L/S2L 3.50 KO BK BX	1849740000
	B2L/S2L 3.50 KO OR BX	1849730000
LED light guide		
	S2L 3.5 FLA 20/10	1699580000
Mounting screw		
	PTSC KA 2.2X4.5 WN1412	1610740000

Soldier pin length				3.5 mm	3.5 mm
Colour				Orange	Black
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
6	7.00	0.276	50	1727830000	1727990000
8	10.50	0.413	50	1727840000	1728000000
10	14.00	0.551	50	1727850000	1728010000
12	17.50	0.689	50	1727860000	1728020000
14	21.00	0.827	50	1727870000	1728030000
16	24.50	0.965	50	1727880000	1728040000
18	28.00	1.102	20	1727890000	1728050000
20	31.50	1.240	20	1727900000	1728060000
22	35.00	1.378	20	1727910000	1728070000
24	38.50	1.516	20	1727920000	1728080000
26	42.00	1.654	20	1727930000	1728090000
28	45.50	1.791	20	1727940000	1728100000
30	49.00	1.929	20	1727950000	1728110000
32	52.50	2.067	20	1727960000	1728120000
34	56.00	2.205	20	1727970000	1728130000
36	59.50	2.343	20	1727980000	1728140000

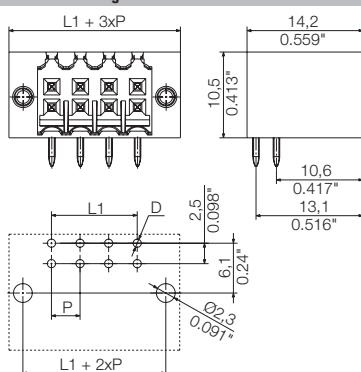
For open version, see online catalogue

S2L 3.50/./90F

with screw flange



Dimensioned drawing



Ordering data

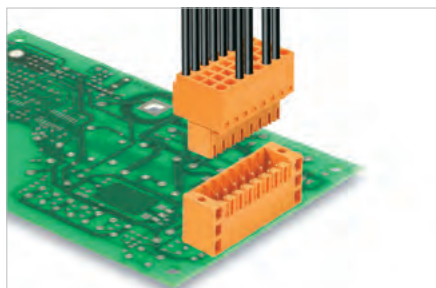
Solder pin length			3.5 mm		3.5 mm	
Colour			Orange		Black	
Pitch			3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
6	7.00	0.276	50	1728470000	1728630000	
8	10.50	0.413	50	1728480000	1728640000	
10	14.00	0.551	50	1728490000	1728650000	
12	17.50	0.689	50	1728500000	1728660000	
14	21.00	0.827	50	1728510000	1728670000	
16	24.50	0.965	50	1728520000	1728680000	
18	28.00	1.102	20	1728530000	1728690000	
20	31.50	1.240	20	1728540000	1728700000	
22	35.00	1.378	20	1728550000	1728710000	
24	38.50	1.516	20	1728560000	1728720000	
26	42.00	1.654	20	1728570000	1728730000	
28	45.50	1.791	20	1728580000	1728740000	
30	49.00	1.929	20	1728590000	1728750000	
32	52.50	2.067	20	1728600000	1728760000	
34	56.00	2.205	20	1728610000	1728770000	
36	59.50	2.343	20	1728620000	1728780000	

For open version, see online catalogue

Double-row connectors in 3.50 mm pitch

Series B2L/S2L 3.50

S2L 3.50/././180



Straight, double-row male header. Male headers with 3.5 mm pins that are designed for wave soldering and are packaged in a box. The flange version can be screwed on the PCB. The male headers provide space for labelling and can be coded. Available in closed (G) version and with screw flange (F).

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	10	9
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	80	125 250
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	150	50
Rated current	A	10	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	150	
Rated current	A	5	
AWG conductor	AWG		-
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.0, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 250 V / 10 A

UL: 150 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

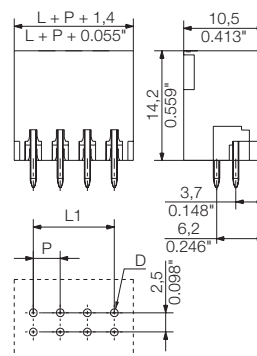
- Additional colours on request
- Gold-plated contact surfaces on request
- Spacing between rows: see hole layout
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

S2L 3.50/././180G

closed ends



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
B2L/S2L 3.50 KO BK BX	1849740000
B2L/S2L 3.50 KO OR BX	1849730000
Mounting screw	
PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

Solder pin length		3.5 mm	3.5 mm
Colour		Orange	Black
Pitch		3.50 mm	
Pol.	L1 (inch)	Qty.	Order No.
6	7.00 0.276	50	1728790000 1728950000
8	10.50 0.413	50	1728800000 1728960000
10	14.00 0.551	50	1728810000 1728970000
12	17.50 0.689	50	1728820000 1728980000
14	21.00 0.827	50	1728830000 1728990000
16	24.50 0.965	50	1728840000 1729000000
18	28.00 1.102	20	1728850000 1729010000
20	31.50 1.240	20	1728860000 1729020000
22	35.00 1.378	20	1728870000 1729030000
24	38.50 1.516	20	1728880000 1729040000
26	42.00 1.654	20	1728890000 1729050000
28	45.50 1.791	20	1728900000 1729060000
30	49.00 1.929	20	1728910000 1729070000
32	52.50 2.067	20	1728920000 1729080000

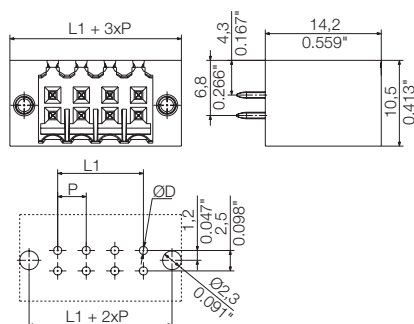
For open version, see online catalogue

S2L 3.50/./180F

with screw flange



Dimensioned drawing



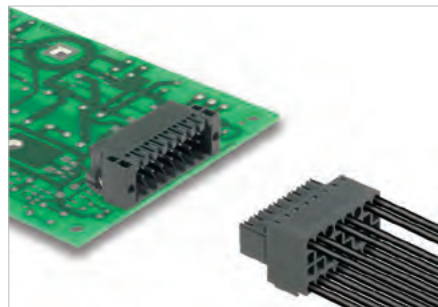
Ordering data

Solder pin length			3.5 mm		3.5 mm	
Colour			Orange		Black	
Pitch			3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
6	7.00	0.276	50	1729430000	1729590000	
8	10.50	0.413	50	1729440000	1729600000	
10	14.00	0.551	50	1729450000	1729610000	
12	17.50	0.689	50	1729460000	1729620000	
14	21.00	0.827	50	1729470000	1729630000	
16	24.50	0.965	50	1729480000	1729640000	
18	28.00	1.102	20	1729490000	1729650000	
20	31.50	1.240	20	1729500000	1729660000	
22	35.00	1.378	20	1729510000	1729670000	
24	38.50	1.516	20	1729520000	1729680000	
26	42.00	1.654	20	1729530000	1729690000	
28	45.50	1.791	20	1729540000	1729700000	
30	49.00	1.929	20	1729550000	1729710000	
32	52.50	2.067	20	1729560000	1729720000	
34	56.00	2.205	20	1729570000	1729730000	
36	59.50	2.343	20	1729580000	1729740000	

For open version, see online catalogue

Double-row connectors in 3.50 mm pitch Series B2L/S2L 3.50

B2L 3.50/./180 QV



Female plugs with integral cross-connection.

- Cross-connection is positioned vertically between the poles of rows directly on top of each other.
- Tension clamp connection with straight outlet and 3.5 mm pitch.
- Flange (F) and release lever (LH) available.

Product data

IEC: 200 V / 10.6 A / 0.2 - 1 mm²
UL: 150 V / 7 A / AWG 28 - 18



For additional articles and information, refer to
catalog.weidmueller.com

Note:

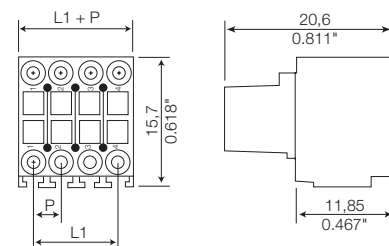
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- We recommend crimp shape A for wire-end ferrules with crimping tool PZ 6/5 (order no. 9011460000) for the larger wire cross-sections.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

B2L 3.50/./180QV

with cross-connection



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...1	
Solid core H05(07) V-U	mm ²	0.2...1	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1	
Flexible with ferrule	mm ²	0.13...0.34	
Ferrule with plastic collar	mm ²	0.13...0.34	
Stripping length	mm	7	
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	10.6	9.1
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1	
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	80	160
Rated impulse voltage	kV	1.5	2.5
UL / CUL (Use Group)		B	C
Rated voltage	V	150	50
Rated current	A	7	7
AWG conductor	AWG	28-18	
CSA (Use Group)		B	C
Rated voltage	V	300	
Rated current	A	7	
AWG conductor	AWG	28-18	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

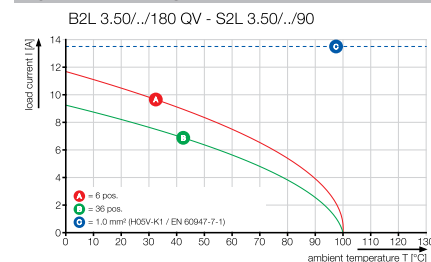
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
B2L/S2L 3.50 KO BK BX	1849740000
B2L/S2L 3.50 KO OR BX	1849730000
Hood	
B2L 3.50 AH06 BK BX	1781560000
B2L 3.50 AH08 BK BX	1781570000
B2L 3.50 AH10 BK BX	1781580000
B2L 3.50 AH12 BK BX	1781590000
B2L 3.50 AH14 BK BX	1781600000
B2L 3.50 AH16 BK BX	1781610000
B2L 3.50 AH18 BK BX	1781620000
B2L 3.50 AH20 BK BX	1781630000
B2L 3.50 AH22 BK BX	1781640000
B2L 3.50 AH24 BK BX	1781650000
B2L 3.50 AH26 BK BX	1781660000
B2L 3.50 AH28 BK BX	1781670000
B2L 3.50 AH30 BK BX	1781680000
B2L 3.50 AH32 BK BX	1781690000
B2L 3.50 AH34 BK BX	1781700000
B2L 3.50 AH36 BK BX	1781710000
Screwdriver	
SDS 0.4X2.5X75	9009030000
Crimping tool	
PZ 1.5	9005990000
PZ 6/5	9011460000

Ordering data

Solder pin length				
Colour	Black			
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
6	7.00	0.276	50	1944590000
8	10.50	0.413	50	1944600000
10	14.00	0.551	50	1944610000
12	17.50	0.689	50	1944620000
14	21.00	0.827	20	1944630000
16	24.50	0.965	20	1944640000
18	28.00	1.102	20	1944650000

Representative deratings curve

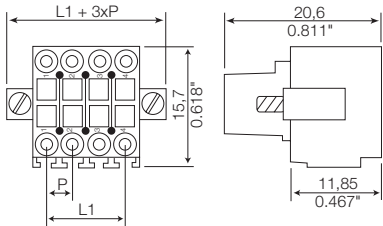


B2L 3.50/./180FQV

with cross-connection and flange



Dimensioned drawing

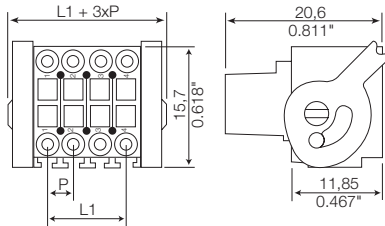


B2L 3.50/./180LHQV

with cross-connection and release lever



Dimensioned drawing



Ordering data

Solder pin length					
Colour					Black
Pitch	3.50 mm				
Pol.	L1	(inch)	Qty.	Order No.	
6	7.00	0.276	50	1944670000	
8	10.50	0.413	50	1944680000	
10	14.00	0.551	50	1944690000	
12	17.50	0.689	50	1944700000	
14	21.00	0.827	20	1944710000	
16	24.50	0.965	20	1944720000	
18	28.00	1.102	20	1944730000	

Ordering data

Solder pin length					
Colour					Black
Pitch	3.50 mm				
Pol.	L1	(inch)	Qty.	Order No.	
6	7.00	0.276	50	1944750000	
8	10.50	0.413	50	1944760000	
10	14.00	0.551	50	1944770000	
12	17.50	0.689	50	1944780000	
14	21.00	0.827	20	1944790000	
16	24.50	0.965	20	1944800000	
18	28.00	1.102	20	1944810000	

Excellent design & performance: the single row BL/SL Connector system with 3.50 pitch and the connection of I/Os

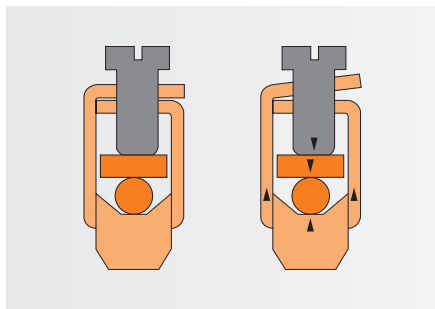
Extensive range of male headers and female plugs that cover different angles to the PCB and conductor angle to the field as well as a large range of accessories make the 3.50 mm pitch very versatile.

Strong in performance and connections, compact in its size:

- Wire cross-sections from 0.20 to 1.5 mm² (AWG 28-14)
- Wire connection without special tools
- More than just extra-low voltages: up to 250 V (IEC) / 300 V (UL)
- More than enough: up to 17 A (IEC) / 10 A (UL)

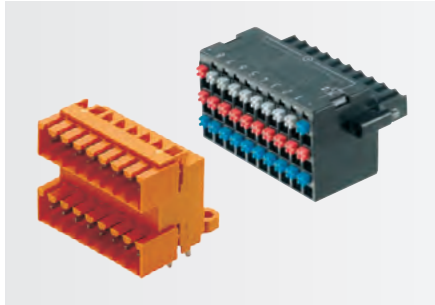
Reliable connection technology

Decide on the best connection technology such as the service-free standard: Weidmüller clamping yoke connection with 100 % reliability and 100 % work output: steel for strength and copper for current.



Maximum packing density

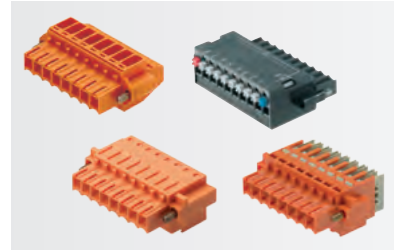
Either in a device using double layer male headers SLD or in the field using a 3 row socket connector BL-I/O.

**Advanced application possibilities**

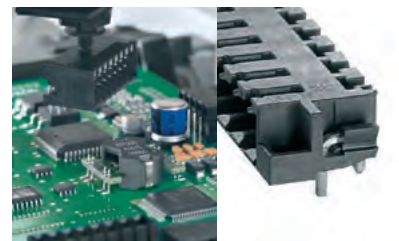
The extensive range of accessories increases the versatility and permits any desired combination of male headers and female plugs.

**Versatile field connection**

Choose your individual connection from the classic screw connection BL, the future-proof "PUSH IN" connection BL-I/O, the proven tension-clamp system BLZF or the quick connection BLIDCB.

**Optimum processing**

The tape-on-reel packaging for high temperature-resistant male headers made of LCP guarantees a suitable product for automated processing. The integrated solder flange significantly increases the PCB's stability and replaces the screw that would normally be added later.

**Release latch or screw flange**

The release latch guarantees a good connection between the female plug and the device and also, particularly for systems with many pins, ensures an assembly protecting release of the connection. The screw flange creates a vibration and shake-proof connection between the panel connection and the device.



Small – smaller – BL-I/O: minimal size – maximum functionality

You have a free choice for the field wiring: whether you prefer the compact version with our 3 row female plug BL-I/O 3.50/30-poles or rather conventional systems with terminals or interface modules lowercase's. Since the female plug BL-I/O 3.50 based I/O systems are backwards compatible with existing field connections.

The female plug BL-I/O 3.50 mm pitch is an

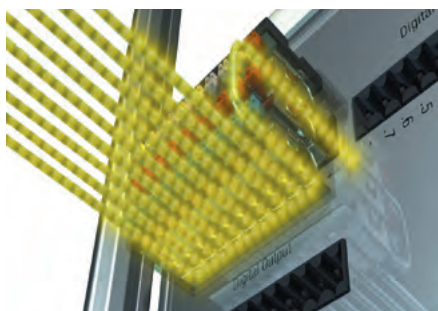
- extremely compact,
- 1 or 3 row female plug, suitable for connection of remote sensors and/or actuators
- with integrated LED display
- and integrated cross-connections for potential distribution.

For efficient remote functional units in the field level the female plug BL-I/O 3.50 is a space saving solution to connect I/O components.

Savings from the female connector BL-I/O are apparent in the development and the manufacturing of the PCB. The layout is simplified by 62 % and fewer layers are required.

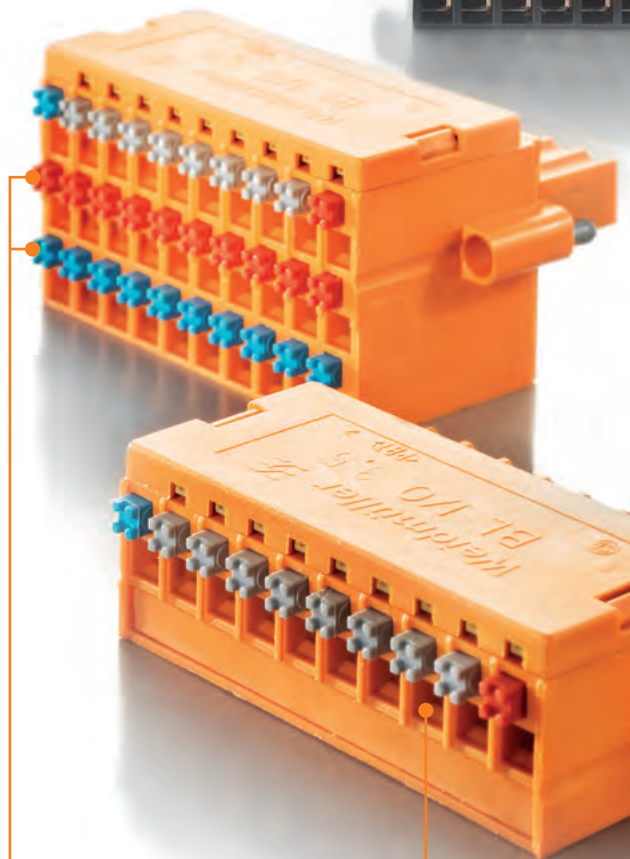
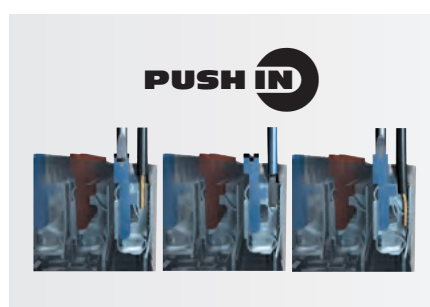
Multiply your potential

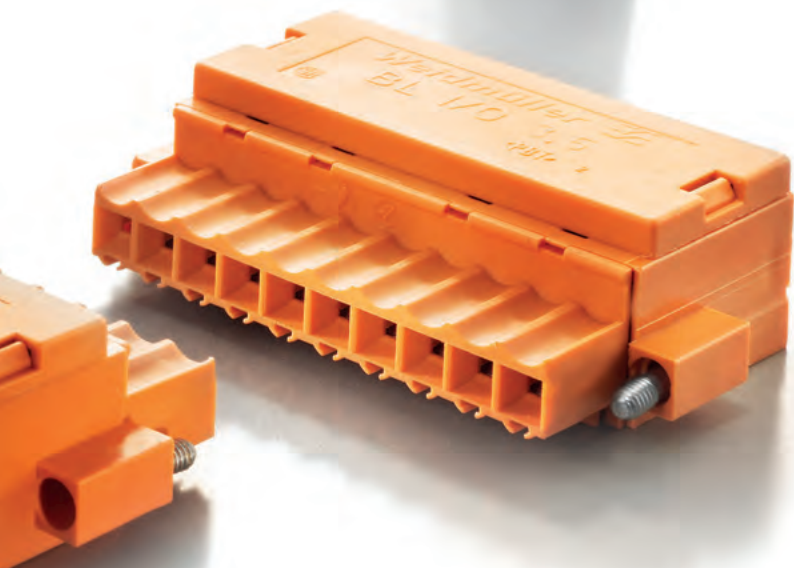
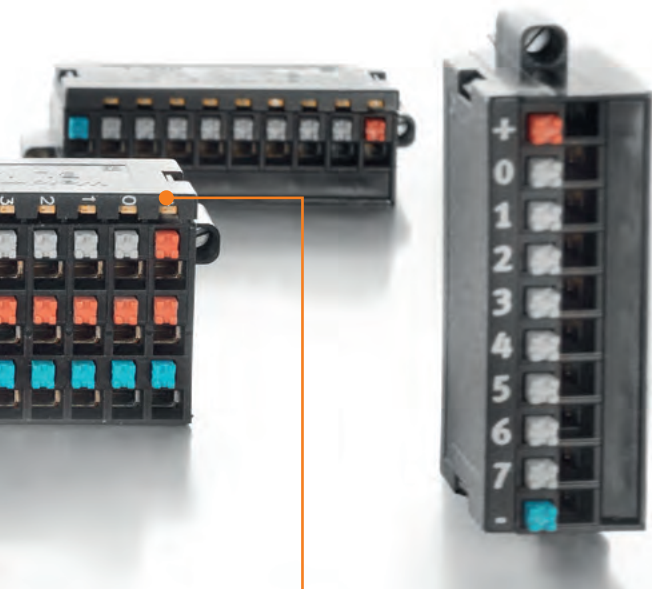
Special cross-connectors, that are integrated into the second and third rows of the female plug, distribute the supply voltage to the individual I/O channels. In this way you can input, transfer or bridge the supply voltage. Thus you can save space with the I/O electronics, and you can reduce your wiring overhead.



... as simple as that

Simply insert solid or flexible conductors with ferrules. The simple pressing of one button opens the terminal connections and allows you to insert the flexible wire without ferrules in no time at all. Disconnecting the wire is just as easy: press the button and pull out the wire.





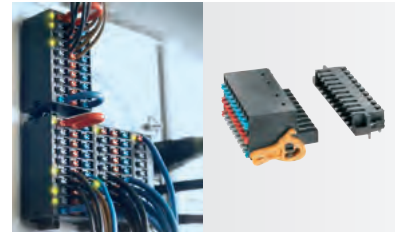
Integrated LEDs

Since power is supplied directly through the female plug BL-I/O 3.50, functional control of the sensor wiring is possible without any additionally connected I/O electronics. That simplifies initial commissioning and also clears up space on the control unit.



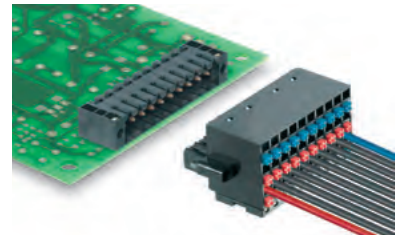
Intuitive locking and releasing

The 3 row female plug BL-I/O 3.50/30/180LR with lock & release lever to allow tool free interlocking and electronic assembly protecting release with the new male header SL-SMT 3.50/10/...RF with clip-on flange



Rugged screw flange

The 3 row female plug BL-I/O 3-5/30/180F with screw flange for vibration and shock resistant interlocking in conjunction with the male header SL-SMT 3.50/10/...LF with solder flange.



Screwless PCB fastening - suitable for automatic assembly

The male header SL-SMT has a clip-on flange for the release latch and is available as solder flange variant for the screw flange. In both variants the extra solder pin replaces the screw that would have to be added later and significantly increases the mechanical stability to the PCB.



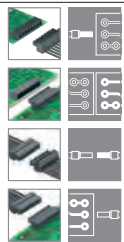
<http://www.OMNIMATE.net>

○ = Wire-to-Board

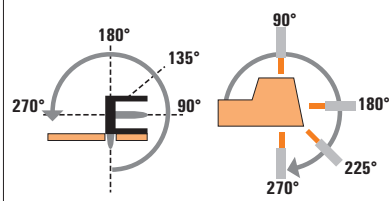
● = Board-to-Board

● = Wire-to-Wire

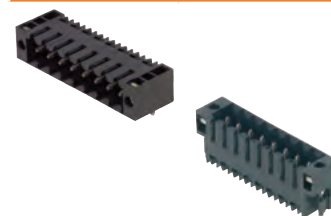
● = Board-to-Wire



Orientation



Reflow solder connection



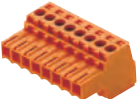
BL/SL 3.50 series



Levels

1

Type	SL-SMT	SL-SMT	
Orientation	90°	180°	
Flange options	G/F/LF/RF	G/F/LF	
IEC / UL	IEC: 320 V/15 A UL: 300 V/10 A	IEC: 320 V/15 A UL: 300 V/10 A	
Page	C.26	C.29	

Female plug	Clamping yoke		BL	180°	(G)/F/LH/LR	IEC: 320 V/17 A/0.2 - 1.5 mm² UL: 300 V/10 A/AWG 28 - 14	C.44			
			BL	90°	(G)/F	IEC: 320 V/12 A/0.2 - 1.5 mm² UL: 300 V/8 A/AWG 28 - 14	C.46			
			BL	270°	(G)/F	IEC: 320 V/12 A/0.2 - 1.5 mm² UL: 300 V/8 A/AWG 28 - 14	C.47			
	Tension clamp		BLZF	180°	(G)/F/LH/LR	IEC: 320 V/14.5 A/0.2 - 1.5 mm² UL: 300 V/10 A/AWG 26 - 14	C.48			
	IDC Bus		BLIDCB	180°	(G)/F	IEC: 250 V/6 A/0.35 - 0.5 mm² UL: 300 V/7 A/AWG 22 - 20	C.50			
	Spring PUSH IN		BL-I/O 10 Pole	180°	F/LR/FP	IEC: 200 V/2.2 A/0.2 - 1.0 mm² UL: ≤ 200 V/5 A/AWG 22 - 16	C.52			
		BL-I/O 30 Pole	180°	F/LR/FP	IEC: 200 V/2.2 A/0.2 - 1.0 mm² UL: ≤ 200 V/5 A/AWG 22 - 16	C.53				
Female header	Solder con.		BLL	180°	(G)	IEC: 320 V/15.1 A UL: 300 V/10 A	C.59			

Female plug:

(G)* = Closed (without flange)

F = Screw flange with screw

LH = Release lever

LR = Lock & Release lever

FP = shifted flange

Male header:

(O)* = open

G = Closed (without flange)

F = Flange with nut

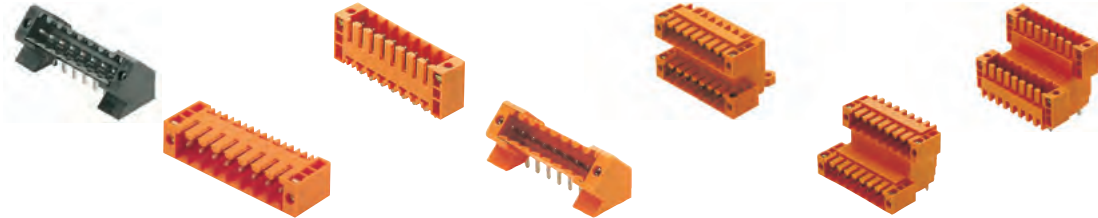
LF = Solder flange with nut

RF = Locking flange for LR with solder pin

* not included in the article description

Male header

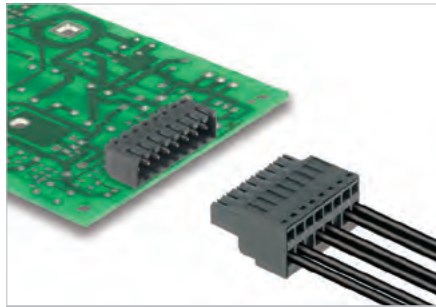

Solder connection



1		1			2		
	SL-THR	SL	SL	SL	SLD	SLD V	SLD V
	135°	90°	180°	135°	90°	90°	180°
	F	(O)/G/F	(O)/G/F	F	G/F	G/F	G/F
	IEC: 320 V/15 A UL: 300 V/10 A	IEC: 320 V/15 A UL: 300 V/10 A	IEC: 320 V/15 A UL: 300 V/10 A	IEC: 320 V/15 A UL: 300 V/10 A	IEC: 200 V/10.5 A UL: 300 V/8 A	IEC: 200 V/10.5 A UL: 300 V/8 A	IEC: 200 V/10.5 A UL: 300 V/8 A
	C.37	C.32	C.34	C.36	C.38	C.40	C.42
	○	○	○	○	○	○	○
	○	○	○	○	○	○	○
	○	○	○	○	○	○	○
	○	○	○	○	○	○	○
	○	○	○	○	○	○	○
	○	○	○	○	○	○	○
	○	○	○	○			
	●	●	●	●	●	●	●

Connectors in 3.50 mm pitch
Series BL/SL 3.50

SL-SMT 3.50/./90



High-temperature-resistant, angled, male header for all common soldering methods in 3.5 mm pitch.

- Optimised for SMT processing.
- 3.2 mm older pin suitable for reflow and wave soldering.
- The Male headers provide space for labelling and can be coded.
- Available in closed (G) version and with solder flange (LF).
- Packed either in box (BX) or on tape-on-reel (RL).

Product data

IEC: 320 V / 15 A

UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

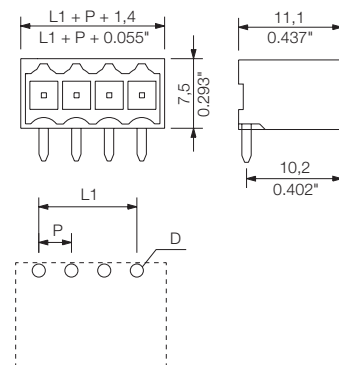
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.5 \pm 0.1$ mm from 9-pole
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 3.50/./90G Box

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	15	13
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR BK BX	1669300000
	BL/SL 3.50 VR OR BX	1669310000
LED light guide		
	SL 3.5 FLA 1.5/1.75/8	1597630000
	SL 3.5 FLA 1.5/8	1597510000
	SL 3.5 FLA 2.3/1.75/8	1597640000
	SL 3.5 FLA 2.3/8	1597520000
	SL 3.5 FLA 4.0/1.75/8	1597650000
	SL 3.5 FLA 4.0/8	1597530000
Mounting screw		
	PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

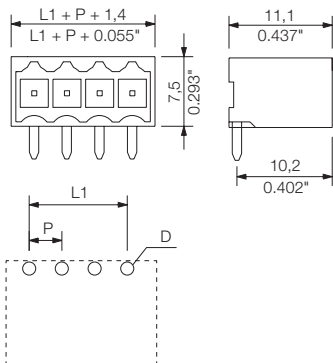
Solder pin length				1.5 mm		3.2 mm	
Colour				Black		Black	
Pitch 3.50 mm							
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	3.50	0.138	100	1761542001	1841630000		
3	7.00	0.276	100	1761552001	1841640000		
4	10.50	0.413	100	1761562001	1841650000		
5	14.00	0.551	50	1761572001	1841660000		
6	17.50	0.689	50	1761582001	1841670000		
7	21.00	0.827	50	1761592001	1841680000		
8	24.50	0.965	50	1761602001	1841690000		
9	28.00	1.102	50	1761612001	1841700000		
10	31.50	1.240	50	1761622001	1841710000		
11	35.00	1.378	50	1761632001	1841720000		
12	38.50	1.516	50	1761642001	1841730000		
13	42.00	1.654	50	1761652001	1841740000		
14	45.50	1.791	50	1761662001	1841750000		
15	49.00	1.929	50	1761672001	1841760000		
16	52.50	2.067	50	1761682001	1841770000		
17	56.00	2.205	20	1761692001	1841780000		
18	59.50	2.343	20	1761702001	1841790000		
19	63.00	2.480	20	1761712001	1841800000		
20	66.50	2.618	20	1761722001	1841810000		
21	70.00	2.756	20	1761732001	1841820000		
22	73.50	2.894	20	1761742001	1841830000		
23	77.00	3.031	20	1761752001	1841840000		
24	80.50	3.169	20	1761762001	1841850000		

SL-SMT 3.50/./90G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm
Colour				Black
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	385	1761544002
3	7.00	0.276	385	1761554002
4	10.50	0.413	385	1761564002
5	14.00	0.551	385	1761574002
6	17.50	0.689	385	1761584001
7	21.00	0.827	385	1761594001
8	24.50	0.965	385	1761604001
9	28.00	1.102	385	1761614001
10	31.50	1.240	385	1761624001
11	35.00	1.378	385	1761634001

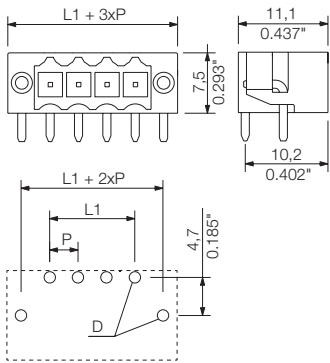
Tape widths: 32, 44, 56, 72, 88

SL-SMT 3.50/./90LF Box

with solder flange



Dimensioned drawing



Ordering data

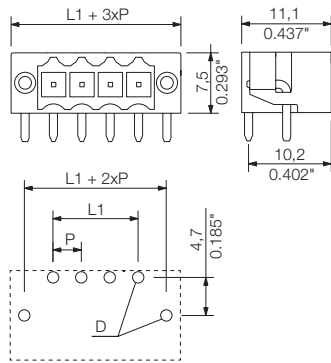
Solder pin length			1.5 mm		3.2 mm	
Colour			Black		Black	
Pitch			3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	3.50	0.138	100	1804940000	1841860000	
3	7.00	0.276	100	1804950000	1841870000	
4	10.50	0.413	100	1804960000	1841880000	
5	14.00	0.551	50	1804970000	1841890000	
6	17.50	0.689	50	1804980000	1841900000	
7	21.00	0.827	50	1804990000	1841910000	
8	24.50	0.965	50	1805000000	1841920000	
9	28.00	1.102	50	1805010000	1841930000	
10	31.50	1.240	50	1805020000	1841940000	
11	35.00	1.378	50	1805030000	1841950000	
12	38.50	1.516	50	1805040000	1804340000	
13	42.00	1.654	50	1805050000	1841960000	
14	45.50	1.791	50	1805060000	1841970000	
15	49.00	1.929	50	1805070000	1841980000	
16	52.50	2.067	50	1805080000	1841990000	
17	56.00	2.205	20	1805090000	1842000000	
18	59.50	2.343	20	1805100000	1842010000	
19	63.00	2.480	20	1805110000	1842020000	
20	66.50	2.618	20	1805120000	1842030000	
21	70.00	2.756	20	1805130000	1842040000	
22	73.50	2.894	20	1805140000	1842050000	
23	77.00	3.031	20	1805150000	1842060000	
24	80.50	3.169	20	1805160000	1842070000	

SL-SMT 3.50/./90LF Tape

with solder flange; tape-on-reel



Dimensioned drawing



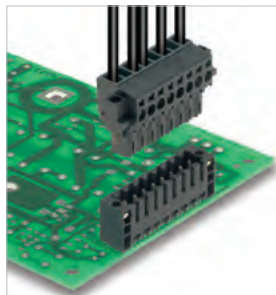
Ordering data

Solder pin length				1.5 mm
Colour				Black
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	385	1805310000
3	7.00	0.276	385	1805320000
4	10.50	0.413	385	1805330000
5	14.00	0.551	385	1805340000
6	17.50	0.689	385	1805350000
7	21.00	0.827	385	1805360000
8	24.50	0.965	385	1805370000
9	28.00	1.102	385	1805380000
10	31.50	1.240	385	1005180000

Tape widths: 32, 44, 56, 72, 88

Connectors in 3.50 mm pitch
Series BL/SL 3.50

SL-SMT 3.50/./ F & RF



High-temperature-resistant, straight and angled, male header for all common soldering methods in 3.5 mm pitch.

- Optimised for the SMT processing.
- 3.2 mm solder pin suitable for reflow and wave soldering.
- Available with screw flange (F) and with solder flange for lock and release lever (RF).

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	15	13	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
CSA (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 15 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

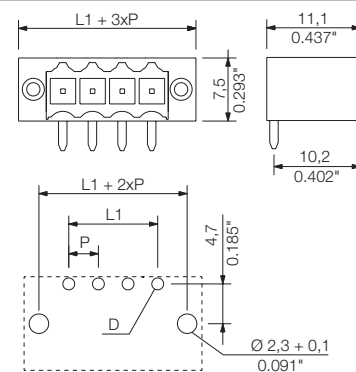
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.5 \pm 0.1$ mm from 9-pole
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 3.50/./90F Box

with screw flange



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR BK BX	1669300000
	BL/SL 3.50 VR OR BX	1669310000
LED light guide		
	SL 3.5 FLA 1.5/1.75/8	1597630000
	SL 3.5 FLA 1.5/8	1597510000
	SL 3.5 FLA 2.3/1.75/8	1597640000
	SL 3.5 FLA 2.3/8	1597520000
	SL 3.5 FLA 4.0/1.75/8	1597650000
	SL 3.5 FLA 4.0/8	1597530000

Ordering data

Solder pin length		3.2 mm		
Colour		Black		
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1842080000
3	7.00	0.276	100	1842090000
4	10.50	0.413	100	1842100000
5	14.00	0.551	50	1842110000
6	17.50	0.689	50	1842120000
7	21.00	0.827	50	1842130000
8	24.50	0.965	50	1842140000
9	28.00	1.102	50	1842150000
10	31.50	1.240	50	1842160000
11	35.00	1.378	50	1842170000
12	38.50	1.516	50	1842180000
13	42.00	1.654	50	1842190000
14	45.50	1.791	50	1842200000
15	49.00	1.929	50	1842210000
16	52.50	2.067	50	1842220000
17	56.00	2.205	20	1842230000
18	59.50	2.343	20	1842240000
19	63.00	2.480	20	1842250000
20	66.50	2.618	20	1842260000
21	70.00	2.756	20	1842270000
22	73.50	2.894	20	1842280000
23	77.00	3.031	20	1842290000
24	80.50	3.169	20	1842300000

3.50

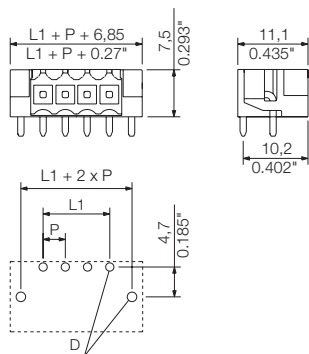
90°

SL-SMT 3.50/./90RF Box

with snap-on solder flange



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm
Colour				Black
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1379610000
3	7.00	0.276	100	1060810000
4	10.50	0.413	100	1000600000
5	14.00	0.551	50	1000610000
6	17.50	0.689	50	1000620000
7	21.00	0.827	50	1000630000
8	24.50	0.965	50	1000640000
9	28.00	1.102	50	1000650000
10	31.50	1.138	50	1060780000
11	35.00	1.378	50	1000660000
12	38.50	1.516	50	1000670000
13	42.00	1.654	50	1000680000
14	45.50	1.791	50	1000690000
15	49.00	1.929	50	1000700000
16	52.50	2.067	50	1060820000

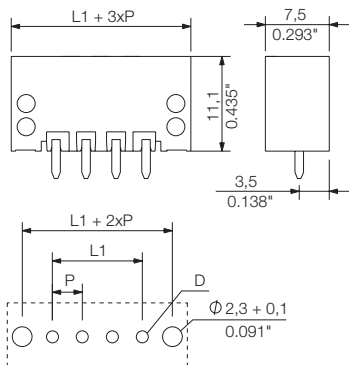
Compatible with release latch (LR)

SL-SMT 3.50/./180F Box

with screw flange



Dimensioned drawing

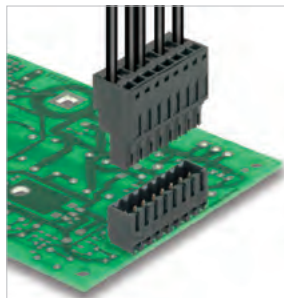


Ordering data

Solder pin length				3.2 mm
Colour				Black
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1842770000
3	7.00	0.276	100	1842780000
4	10.50	0.413	100	1842790000
5	14.00	0.551	50	1842800000
6	17.50	0.689	50	1842810000
7	21.00	0.827	50	1842820000
8	24.50	0.965	50	1842830000
9	28.00	1.102	50	1842840000
10	31.50	1.240	50	1842850000
11	35.00	1.378	50	1842860000
12	38.50	1.516	50	1842870000
13	42.00	1.654	50	1842880000
14	45.50	1.791	50	1842890000
15	49.00	1.929	50	1842900000
16	52.50	2.067	50	1842910000
17	56.00	2.205	20	1842920000
18	59.50	2.343	20	1842930000
19	63.00	2.480	20	1842940000
20	66.50	2.618	20	1842950000
21	70.00	2.756	20	1842960000
22	73.50	2.894	20	1842970000
23	77.00	3.031	20	1842980000
24	80.50	3.169	20	1842990000

Connectors in 3.50 mm pitch
Series BL/SL 3.50

SL-SMT 3.50../180



High-temperature-resistant, straight male header in 3.50 mm pitch for all conventional soldering methods.

- Optimised for the SMT processing.
- 3.2 mm solder pin suitable for reflow and wave soldering.
- Available with screw flange (F) and with solder flange (LF).
- Packed either in box (BX) or on tape-on-reel (RL).

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	15	13	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 15 A

UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

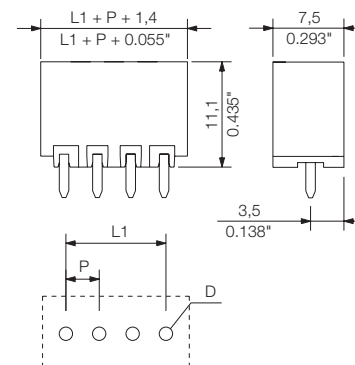
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.5±0.1mm from 9-pole
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL SMT 3.50../180G Box

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR BK BX	1669300000
	BL/SL 3.50 VR OR BX	1669310000

Ordering data

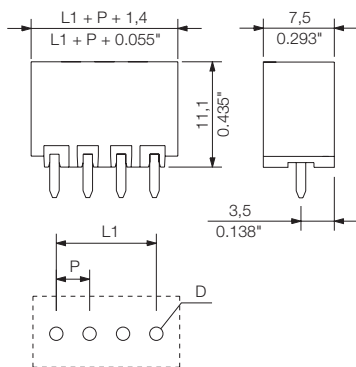
Solder pin length				1.5 mm		3.2 mm	
Colour				Black		Black	
Pitch				3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	3.50	0.138	100	1752982001	1842320000		
3	7.00	0.276	100	1752992001	1842330000		
4	10.50	0.413	100	1753002001	1842340000		
5	14.00	0.551	50	1753012001	1842350000		
6	17.50	0.689	50	1753022001	1842360000		
7	21.00	0.827	50	1753032001	1842370000		
8	24.50	0.965	50	1753042001	1842380000		
9	28.00	1.102	50	1753052001	1842390000		
10	31.50	1.240	50	1753062001	1836990000		
11	35.00	1.378	50	1753072001	1842400000		
12	38.50	1.516	50	1753082001	1842410000		
13	42.00	1.654	50	1753092001	1842420000		
14	45.50	1.791	50	1753102001	1842430000		
15	49.00	1.929	50	1753112001	1842440000		
16	52.50	2.067	50	1753122001	1842450000		
17	56.00	2.205	20	1753132001	1842460000		
18	59.50	2.343	20	1753142001	1842470000		
19	63.00	2.480	20	1753152001	1842480000		
20	66.50	2.618	20	1753162001	1842490000		
21	70.00	2.756	20	1753172001	1842500000		
22	73.50	2.894	20	1753182001	1842510000		
23	77.00	3.031	20	1753192001	1842520000		
24	80.50	3.169	20	1753202001	1842530000		

SL SMT 3.50/./180G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length			1.5 mm	
Colour			Black	
Pitch			3.50 mm	
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	265	1752984002
3	7.00	0.276	265	1752994002
4	10.50	0.413	265	1753004002
5	14.00	0.551	265	1753014002
6	17.50	0.689	265	1753024001
7	21.00	0.827	265	1753034001
8	24.50	0.965	265	1753044001
9	28.00	1.102	265	1753054001
10	31.50	1.240	265	1753064001
11	35.00	1.378	265	1753074001

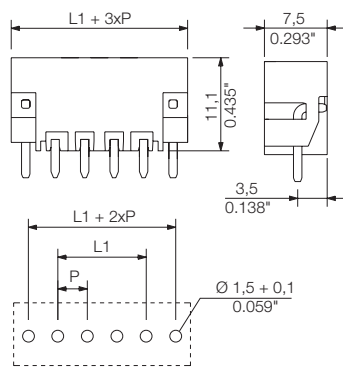
Tape widths: 32, 44, 56, 72, 88

SL SMT 3.50/./180LF Box

with solder flange



Dimensioned drawing



Ordering data

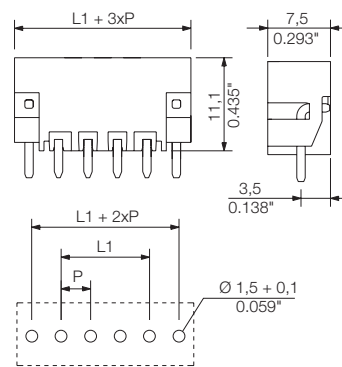
Solder pin length			1.5 mm		3.2 mm	
Colour			Black		Black	
Pitch			3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	3.50	0.138	100	1804700000	1842540000	
3	7.00	0.276	100	1804710000	1842550000	
4	10.50	0.413	100	1804720000	1842560000	
5	14.00	0.551	50	1804730000	1842570000	
6	17.50	0.689	50	1804740000	1842580000	
7	21.00	0.827	50	1804750000	1842590000	
8	24.50	0.965	50	1804760000	1842600000	
9	28.00	1.102	50	1804770000	1842610000	
10	31.50	1.240	50	1804780000	1842620000	
11	35.00	1.378	50	1804790000	1842630000	
12	38.50	1.516	50	1804800000	1842640000	
13	42.00	1.654	50	1804810000	1842650000	
14	45.50	1.791	50	1804820000	1842660000	
15	49.00	1.929	50	1804830000	1842670000	
16	52.50	2.067	50	1804840000	1842680000	
17	56.00	2.205	20	1804850000	1842690000	
18	59.50	2.343	20	1804860000	1842700000	
19	63.00	2.480	20	1804870000	1842710000	
20	66.50	2.618	20	1804890000	1842720000	
21	70.00	2.756	20	1804900000	1842730000	
22	73.50	2.894	20	1804910000	1842740000	
23	77.00	3.031	20	1804920000	1842750000	
24	80.50	3.169	20	1804930000	1842760000	

SL SMT 3.50/./180LF Tape

with solder flange; tape-on-reel



Dimensioned drawing



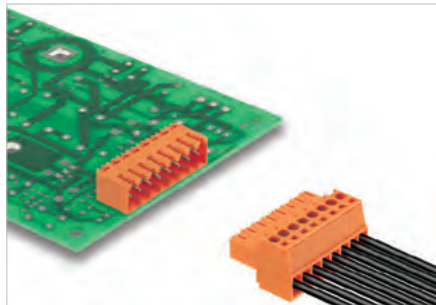
Ordering data

Solder pin length				1.5 mm
Colour				Black
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	265	1805210000
3	7.00	0.276	265	1805230000
4	10.50	0.413	265	1805240000
5	14.00	0.551	265	1805250000
6	17.50	0.689	265	1805270000
7	21.00	0.827	265	1805280000
8	24.50	0.965	265	1805290000
9	28.00	1.102	265	1805300000
10	31.50	1.138	265	1936340000

Tape widths: 32, 44, 56, 72, 88

Connectors in 3.50 mm pitch
Series BL/SL 3.50

SL 3.50../90



Angled male header (90° orientation) for wave soldering in 3.5 mm pitch. The male header is available in open, closed (G) and flange (F) versions. Packed in cardboard box.

Product data

IEC: 320 V / 17 A

UL: 300 V / 10 A



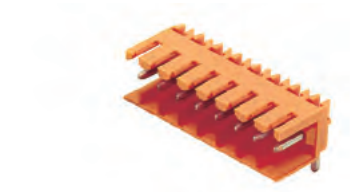
For additional articles and information, refer to catalog.weidmueller.com

Note:

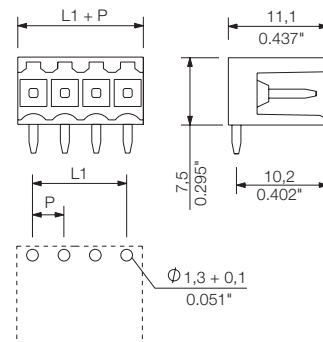
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 3.50../90

open side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17	14.5	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG			
CSA (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG			
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			CuSn	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.2, Octagonal	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0.1	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

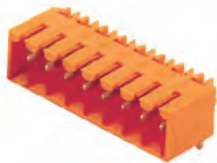
Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR BK BX	1669300000
	BL/SL 3.50 VR OR BX	1669310000
LED light guide		
	SL 3.5 FLA 1.5/1.75/8	1597630000
	SL 3.5 FLA 1.5/8	1597510000
	SL 3.5 FLA 2.3/1.75/8	1597640000
	SL 3.5 FLA 2.3/8	1597520000
	SL 3.5 FLA 4.0/1.75/8	1597650000
	SL 3.5 FLA 4.0/8	1597530000
Mounting screw		
	PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

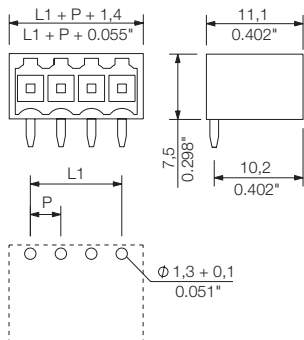
Solder pin length		3.2 mm		
Colour		Orange		
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1597210000
3	7.00	0.276	100	1597220000
4	10.50	0.413	100	1597230000
5	14.00	0.551	50	1597240000
6	17.50	0.689	50	1597250000
7	21.00	0.827	50	1597260000
8	24.50	0.965	50	1597270000
9	28.00	1.102	50	1597280000
10	31.50	1.240	50	1597290000
11	35.00	1.378	50	1597300000
12	38.50	1.516	50	1597310000
13	42.00	1.654	50	1597320000
14	45.50	1.791	50	1597330000
15	49.00	1.929	50	1597340000
16	52.50	2.067	50	1597350000
17	56.00	2.205	20	1618990000
18	59.50	2.343	20	1619000000
19	63.00	2.480	20	1619010000
20	66.50	2.618	20	1619020000
21	70.00	2.756	20	1619030000
22	73.50	2.894	20	1619040000
23	77.00	3.031	20	1619050000
24	80.50	3.169	20	1619060000

SL 3.50/./90G

closed side



Dimensioned drawing

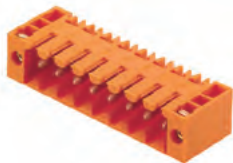


Ordering data

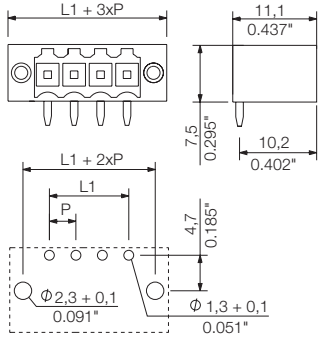
Solder pin length				3.2 mm
Colour				Orange
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1605070000
3	7.00	0.276	100	1605080000
4	10.50	0.413	100	1605090000
5	14.00	0.551	50	1605100000
6	17.50	0.689	50	1605110000
7	21.00	0.827	50	1605120000
8	24.50	0.965	50	1605130000
9	28.00	1.102	50	1605140000
10	31.50	1.240	50	1605150000
11	35.00	1.378	50	1605160000
12	38.50	1.516	50	1605170000
13	42.00	1.654	50	1605180000
14	45.50	1.791	50	1605190000
15	49.00	1.929	50	1605200000
16	52.50	2.067	50	1605210000
17	56.00	2.205	20	1619380000
18	59.50	2.343	20	1619390000
19	63.00	2.480	20	1619400000
20	66.50	2.618	20	1619410000
21	70.00	2.756	20	1619420000
22	73.50	2.894	20	1619430000
23	77.00	3.031	20	1619440000
24	80.50	3.169	20	1619450000

SL 3.50/./90F

with screw flange



Dimensioned drawing

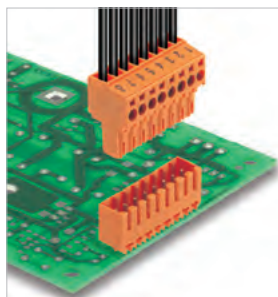


Ordering data

Solder pin length				3.2 mm
Colour				Orange
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1607040000
3	7.00	0.276	100	1607050000
4	10.50	0.413	100	1607060000
5	14.00	0.551	50	1607070000
6	17.50	0.689	50	1607080000
7	21.00	0.827	50	1607090000
8	24.50	0.965	50	1607100000
9	28.00	1.102	50	1607110000
10	31.50	1.240	50	1607120000
11	35.00	1.378	50	1607130000
12	38.50	1.516	50	1607140000
13	42.00	1.654	50	1607150000
14	45.50	1.791	50	1607160000
15	49.00	1.929	50	1607170000
16	52.50	2.067	50	1607180000
17	56.00	2.205	20	1619770000
18	59.50	2.343	20	1619780000
19	63.00	2.480	20	1619790000
20	66.50	2.618	20	1619800000
21	70.00	2.756	20	1619810000
22	73.50	2.894	20	1619820000
23	77.00	3.031	20	1619830000
24	80.50	3.169	20	1619840000

Connectors in 3.50 mm pitch
Series BL/SL 3.50

SL 3.50/./180



Straight male header (180° orientation) for wave soldering in 3.5 mm pitch. The male header is available in open, closed (G) and flange (F) versions. Packed in cardboard box.

Product data

IEC: 320 V / 17 A

UL: 300 V / 10 A



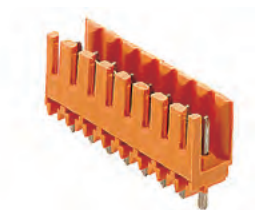
For additional articles and information, refer to catalog.weidmueller.com

Note:

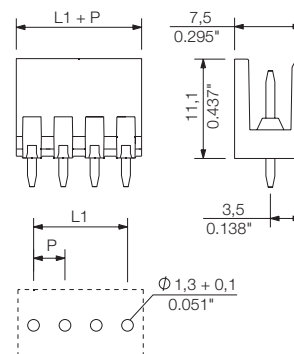
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 3.50/./180

open side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17	14.5	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
CSA (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR BK BX	1669300000
	BL/SL 3.50 VR OR BX	1669310000
Mounting screw		
	PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

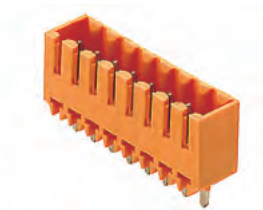
Solder pin length		3.2 mm		
Colour		Orange		
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1604770000
3	7.00	0.276	100	1604780000
4	10.50	0.413	100	1604790000
5	14.00	0.551	50	1604800000
6	17.50	0.689	50	1604810000
7	21.00	0.827	50	1604820000
8	24.50	0.965	50	1604830000
9	28.00	1.102	50	1604840000
10	31.50	1.240	50	1604850000
11	35.00	1.378	50	1604860000
12	38.50	1.516	50	1604870000
13	42.00	1.654	50	1604880000
14	45.50	1.791	50	1604890000
15	49.00	1.929	50	1604900000
16	52.50	2.067	50	1604910000
17	56.00	2.205	20	1621400000
18	59.50	2.343	20	1621410000
19	63.00	2.480	20	1621420000
20	66.50	2.618	20	1621430000
21	70.00	2.756	20	1621440000
22	73.50	2.894	20	1621450000
23	77.00	3.031	20	1621460000
24	80.50	3.169	20	1621470000

3.50

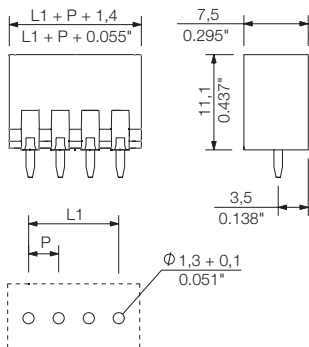
180°

SL 3.50/./180G

closed side



Dimensioned drawing



Ordering data

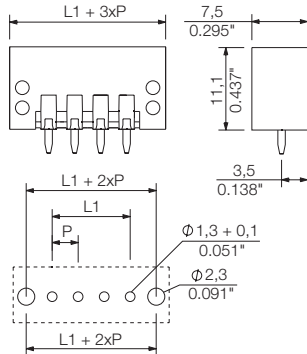
Solder pin length				3.2 mm
Colour				Orange
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1604470000
3	7.00	0.276	100	1604480000
4	10.50	0.413	100	1604490000
5	14.00	0.551	50	1604500000
6	17.50	0.689	50	1604510000
7	21.00	0.827	50	1604520000
8	24.50	0.965	50	1604530000
9	28.00	1.102	50	1604540000
10	31.50	1.240	50	1604550000
11	35.00	1.378	50	1604560000
12	38.50	1.516	50	1604570000
13	42.00	1.654	50	1604580000
14	45.50	1.791	50	1604590000
15	49.00	1.929	50	1604600000
16	52.50	2.067	50	1604610000
17	56.00	2.205	20	1621790000
18	59.50	2.343	20	1621800000
19	63.00	2.480	20	1621810000
20	66.50	2.618	20	1621820000
21	70.00	2.756	20	1621830000
22	73.50	2.894	20	1621840000
23	77.00	3.031	20	1621850000
24	80.50	3.169	20	1621860000

SL 3.50/./180F

with screw flange



Dimensioned drawing

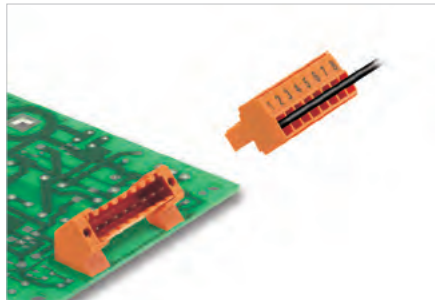


Ordering data

Solder pin length				3.2 mm
Colour				Orange
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1607500000
3	7.00	0.276	100	1607510000
4	10.50	0.413	100	1607520000
5	14.00	0.551	50	1607530000
6	17.50	0.689	50	1607540000
7	21.00	0.827	50	1607550000
8	24.50	0.965	50	1607560000
9	28.00	1.102	50	1607570000
10	31.50	1.240	50	1607580000
11	35.00	1.378	50	1607590000
12	38.50	1.516	50	1607600000
13	42.00	1.654	50	1607610000
14	45.50	1.791	50	1607620000
15	49.00	1.929	50	1607630000
16	52.50	2.067	50	1607640000
17	56.00	2.205	20	1622180000
18	59.50	2.343	20	1622190000
19	63.00	2.480	20	1622200000
20	66.50	2.618	20	1622210000
21	70.00	2.756	20	1622220000
22	73.50	2.894	20	1622230000
23	77.00	3.031	20	1622240000
24	80.50	3.169	20	1622250000

Connectors in 3.50 mm pitch
Series BL/SL 3.50

SL 3.50/./135



Angled male header (135° orientation) for wave soldering in 3.5 mm pitch. The male header is available in closed (G) and flange (F) versions.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	15	13	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 15 A

UL: 300 V / 10 A



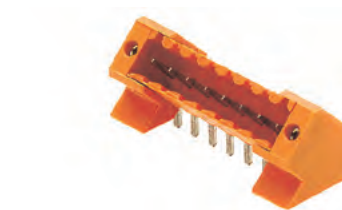
For additional articles and information, refer to catalog.weidmueller.com

Note:

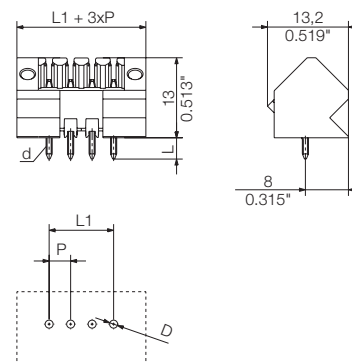
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 3.50/./135F

with screw flange



Dimensioned drawing



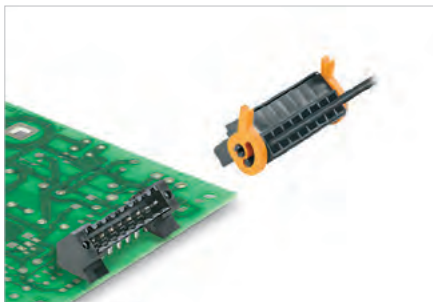
Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1643330000
3	7.00	0.276	100	1643340000
4	10.50	0.413	100	1643350000
5	14.00	0.551	50	1643360000
6	17.50	0.689	50	1643370000
7	21.00	0.827	50	1643380000
8	24.50	0.965	50	1643390000
9	28.00	1.102	50	1643400000
10	31.50	1.240	50	1643410000
11	35.00	1.378	50	1643420000
12	38.50	1.516	50	1643430000
13	42.00	1.654	50	1643440000
14	45.50	1.791	50	1643450000
15	49.00	1.929	50	1643460000
16	52.50	2.067	50	1643470000
17	56.00	2.205	20	1643480000
18	59.50	2.343	20	1643490000
19	63.00	2.480	20	1643500000
20	66.50	2.618	20	1643510000
21	70.00	2.756	20	1643520000
22	73.50	2.894	20	1643530000
23	77.00	3.031	20	1643540000
24	80.50	3.169	20	1643550000

3.50

135°

SL-THR 3.50/./135



High-temperature-resistant, 135° angled, male header for all common soldering methods in 3.5 mm pitch. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	15	13
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 320 V / 15 A

UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

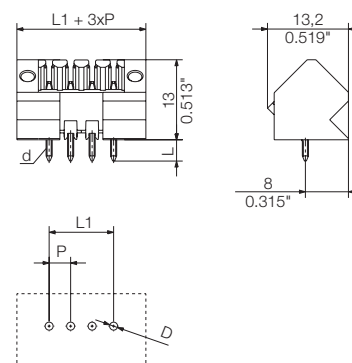
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-THR 3.50/./135F

with screw flange



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

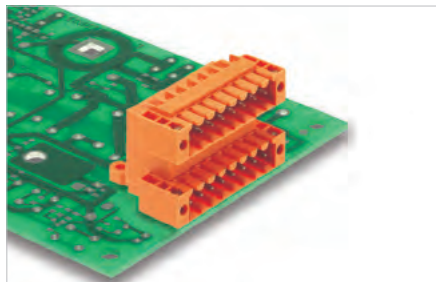
Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Interlock		
	BL/SL 3.50 VR BK BX	1669300000
	BL/SL 3.50 VR OR BX	1669310000

Ordering data

Solder pin length		3.2 mm		
Colour		Black		
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1003510000
3	7.00	0.276	100	1003520000
4	10.50	0.413	100	1003530000
5	14.00	0.551	50	1003540000
6	17.50	0.689	50	1003550000
7	21.00	0.827	50	1003560000
8	24.50	0.965	50	1003570000
9	28.00	1.102	50	1003580000
10	31.50	1.240	50	1003590000
11	35.00	1.378	50	1003600000
12	38.50	1.516	50	1003620000
13	42.00	1.654	50	1003630000
14	45.50	1.791	50	1003640000
15	49.00	1.929	50	1003650000
16	52.50	2.067	50	1003660000
17	56.00	2.205	20	1003670000
18	59.50	2.343	20	1003680000
19	63.00	2.480	20	1003690000
20	66.50	2.618	20	1003700000
21	70.00	2.756	20	1003710000
22	73.50	2.894	20	1003720000
23	77.00	3.031	20	1003730000
24	80.50	3.169	20	1003740000

Connectors in 3.50 mm pitch
Series BL/SL 3.50

SLD 3.50/./90



Double-level, angled male header (90° orientation) for wave soldering in 3.5 mm pitch. The male header is available in open, closed (G) and flange (F) versions.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	10.5	9	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	125	160	200
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	8	8	
AWG conductor	AWG			
CSA (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	8	8	
AWG conductor	AWG			
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 200 V / 10.5 A

UL: 300 V / 8 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

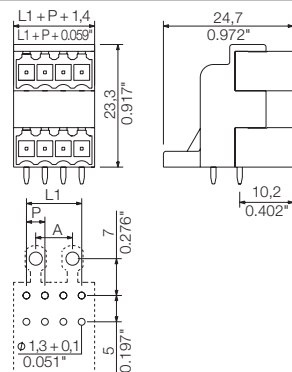
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLD 3.50/./90G

closed side



Dimensioned drawing



Ordering data

Solder pin length			3.2 mm	
Colour			Orange	
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	50	1633580000
6	7.00	0.276	50	1633590000
8	10.50	0.413	50	1633600000
10	14.00	0.551	50	1633610000
12	17.50	0.689	50	1633620000
14	21.00	0.827	20	1633630000
16	24.50	0.965	20	1633640000
18	28.00	1.102	20	1633650000
20	31.50	1.240	20	1633660000
22	35.00	1.378	10	1633670000
24	38.50	1.516	10	1633680000
26	42.00	1.654	10	1633690000
28	45.50	1.791	10	1633700000
30	49.00	1.929	10	1633710000
32	52.50	2.067	10	1633720000
34	56.00	2.205	10	1633730000
36	59.50	2.343	10	1633740000
38	63.00	2.480	10	1633750000
40	66.50	2.618	10	1633760000
42	70.00	2.756	10	1633770000
44	73.50	2.894	10	1633780000
46	77.00	3.031	10	1633790000
48	80.50	3.169	10	1633800000

3.50

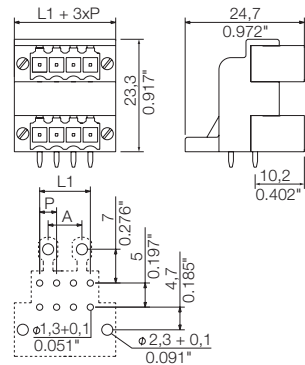
90°

SLD 3.50/.. /90F

with screw flange



Dimensioned drawing

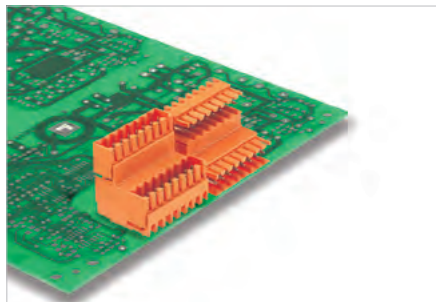


Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	50	1633810000
6	7.00	0.276	50	1633820000
8	10.50	0.413	50	1633830000
10	14.00	0.551	50	1633840000
12	17.50	0.689	50	1633850000
14	21.00	0.827	20	1633860000
16	24.50	0.965	20	1633870000
18	28.00	1.102	20	1633880000
20	31.50	1.240	20	1633890000
22	35.00	1.378	10	1633900000
24	38.50	1.516	10	1633910000
26	42.00	1.654	10	1633920000
28	45.50	1.791	10	1633930000
30	49.00	1.929	10	1633940000
32	52.50	2.067	10	1633950000
34	56.00	2.205	10	1633960000
36	59.50	2.343	10	1633970000
38	63.00	2.480	10	1633980000
40	66.50	2.618	10	1633990000
42	70.00	2.756	10	1634000000
44	73.50	2.894	10	1634010000
46	77.00	3.031	10	1634020000
48	80.50	3.169	10	1634030000

Connectors in 3.50 mm pitch Series BL/SL 3.50

SLD 3.50V../90



Double-level, staggered male header with angled 90° wire outlet for wave soldering in 3.5 mm pitch. The male header is available in open, closed (G) and flange (F) versions.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	10.5	9	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	125	160	200
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	8		8
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	8		8
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			CuSn	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.2, Octagonal	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Product data

IEC: 200 V / 10.5 A

UL: 300 V / 8 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

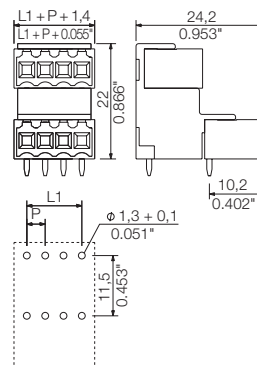
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLD 3.50V../90G

closed side



Dimensioned drawing

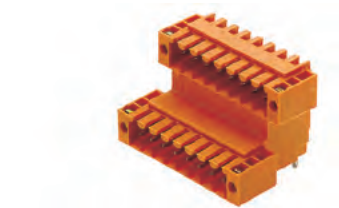


Ordering data

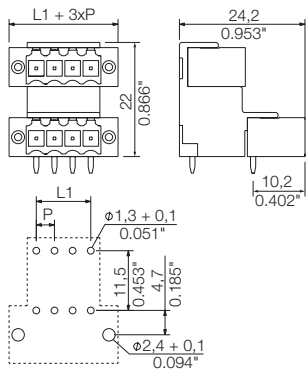
Solder pin length			3.2 mm	
Colour			Orange	
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	50	1642240000
6	7.00	0.276	50	1890600000
8	10.50	0.413	50	1642250000
10	14.00	0.551	50	1866770000
12	17.50	0.689	50	1642260000
14	21.00	0.827	20	1890610000
16	24.50	0.965	20	1642270000
18	28.00	1.102	20	1890620000
20	31.50	1.240	20	1642280000
22	35.00	1.378	10	1669650000
24	38.50	1.516	10	1642290000
26	42.00	1.654	10	1890630000
28	45.50	1.791	10	1642300000
30	49.00	1.929	10	1890640000
32	52.50	2.067	10	1642310000
34	56.00	2.205	10	1890650000
36	59.50	2.343	10	1642320000
38	63.00	2.480	10	1890660000
40	66.50	2.618	10	1642330000
42	70.00	2.756	10	1890670000
44	73.50	2.894	10	1642340000
46	77.00	3.031	10	1890680000
48	80.50	3.169	10	1642350000

SLD 3.50V../90F

with screw flange



Dimensioned drawing

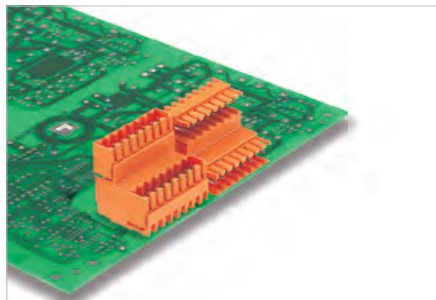


Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	50	1642370000
6	7.00	0.276	50	1890790000
8	10.50	0.413	50	1642380000
10	14.00	0.551	50	1890800000
12	17.50	0.689	50	1642390000
14	21.00	0.827	20	1890810000
16	24.50	0.965	20	1642400000
18	28.00	1.102	20	1890820000
20	31.50	1.240	20	1642410000
22	35.00	1.378	10	1669660000
24	38.50	1.516	10	1642420000
26	42.00	1.654	10	1890830000
28	45.50	1.791	10	1642430000
30	49.00	1.929	10	1890840000
32	52.50	2.067	10	1642440000
34	56.00	2.205	10	1890850000
36	59.50	2.343	10	1642450000
38	63.00	2.480	10	1890860000
40	66.50	2.618	10	1642460000
42	70.00	2.756	10	1890870000
44	73.50	2.894	10	1642470000
46	77.00	3.031	10	1890880000
48	80.50	3.169	10	1642480000

Connectors in 3.50 mm pitch Series BL/SL 3.50

SLD 3.50V../180



Double-level, staggered male header with straight 180° wire outlet for wave soldering in 3.5 mm pitch. The male header is available in closed (G) and flange (F) versions.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	10.5	9	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	125	160	200
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	8		8
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	8		8
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			CuSn	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.2, Octagonal	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Product data

IEC: 200 V / 10.5 A

UL: 300 V / 8 A



For additional articles and information, refer to
catalog.weidmueller.com

Note:

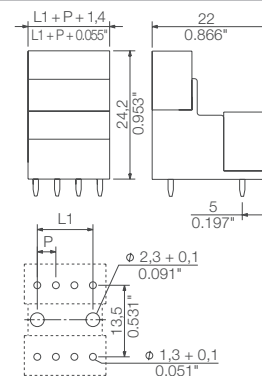
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLD 3.50V../180G

closed side



Dimensioned drawing



Ordering data

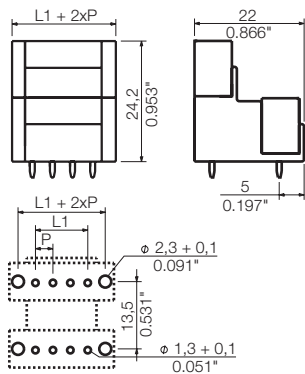
Solder pin length				3.2 mm
Colour				Orange
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	50	1641110000
6	7.00	0.276	50	1891190000
8	10.50	0.413	50	1641200000
10	14.00	0.551	50	1891200000
12	17.50	0.689	50	1641130000
16	24.50	0.965	20	1641140000
20	31.50	1.240	20	1641150000
24	38.50	1.516	10	1641160000
28	45.50	1.791	10	1641170000
32	52.50	2.067	10	1641180000
34	56.00	2.205	10	1891260000
36	59.50	2.343	10	1641190000
38	63.00	2.480	10	1891270000
40	66.50	2.618	10	1641200000
42	70.00	2.756	10	1891280000
44	73.50	2.894	10	1641210000
46	77.00	3.031	10	1891290000
48	80.50	3.169	10	1641220000

SLD 3.50V../180F

with screw flange



Dimensioned drawing

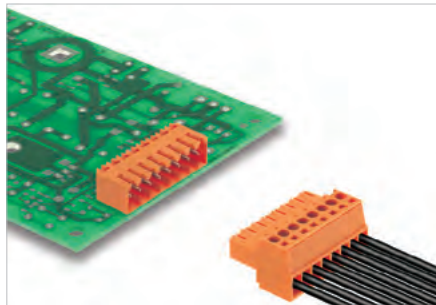


Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		3.50 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	3.50	0.138	50	1641240000
6	7.00	0.276	50	1891060000
8	10.50	0.413	50	1641250000
10	14.00	0.551	50	1891070000
12	17.50	0.689	50	1641260000
14	21.00	0.827	20	1891080000
16	24.50	0.965	20	1641270000
18	28.00	1.102	20	1891090000
20	31.50	1.240	20	1641280000
22	35.00	1.378	20	1891100000
24	38.50	1.516	10	1641290000
26	42.00	1.654	10	1891110000
28	45.50	1.791	10	1641300000
30	49.00	1.929	10	1891120000
32	52.50	2.067	10	1641310000
34	56.00	2.205	10	1891130000
36	59.50	2.343	10	1641320000
38	63.00	2.480	10	1891140000
40	66.50	2.618	10	1641330000
42	70.00	2.756	10	1891150000
44	73.50	2.894	10	1641340000
46	77.00	3.031	10	1891160000
48	80.50	3.169	10	1641350000

Connectors in 3.50 mm pitch
Series BL/SL 3.50

BL 3.50/./180



Female plug with clamping-yoke screw system for connecting wires with straight outlet direction in 3.5 mm pitch. Available with a screw flange (F), release lever (LH) or lock and release lever (LR). They include space for labelling and can be coded.

Product data

IEC: 320 V / 17 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

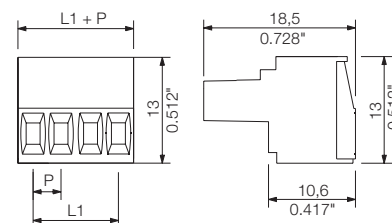
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BL 3.50/./180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1.5
Ferrule with plastic collar	mm ²	0.2...1.5
Stripping length	mm	6
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264
Tightening torque range	Nm	0.2...0.25
Rated current, max.	A	17 14.5
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	1.5
Overvoltage category	III	III II
Pollution severity	3	2 2
Rated voltage	V	160 160 320
Rated impulse voltage	kV	2.5 2.5 2.5
UL / CUL (Use Group)	B C D	D
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	28-14
CSA (Use Group)	B C D	D
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	28-14
General data		
Type of insulation material		PBT
UL 94 flammability rating		V-0
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Accessories

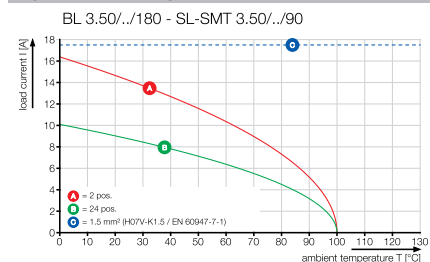
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BL SL 3.5 KO OR	1693430000
BL SL 3.5 KO SW	1610100000
Cover hood	
BL 3.50 AH03 BK BX	1745580000
BL 3.50 AH04 BK BX	1745590000
BL 3.50 AH05 BK BX	1745600000
BL 3.50 AH06 BK BX	1745610000
BL 3.50 AH07 BK BX	1745620000
BL 3.50 AH08 BK BX	1745630000
BL 3.50 AH09 BK BX	1745640000
BL 3.50 AH10 BK BX	1745650000
BL 3.50 AH11 BK BX	1745660000
BL 3.50 AH12 BK BX	1745670000
BL 3.50 AH13 BK BX	1745680000
BL 3.50 AH14 BK BX	1745690000
BL 3.50 AH15 BK BX	1745700000
BL 3.50 AH16 BK BX	1745710000
Strain relief	
BL 3.50 ZE03 BK BX	1627820000
BL 3.50 ZE03 OR BX	1629680000
BL 3.50 ZE08 OR BX	1629690000
Interlock	
BL/SL 3.50 VR BK BX	1669300000
BL/SL 3.50 VR OR BX	1669310000
Screwdriver	
SDIS 0.4X2.5X75	9008370000
SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length						
Colour			Orange		Black	
Pitch			3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	3.50	0.138	100	1597360000	1615670000	
3	7.00	0.276	100	1597370000	1615680000	
4	10.50	0.413	100	1597380000	1615690000	
5	14.00	0.551	50	1597390000	1614090000	
6	17.50	0.689	50	1597400000	1610180000	
7	21.00	0.827	50	1597410000	1610190000	
8	24.50	0.965	50	1597420000	1615700000	
9	28.00	1.102	50	1597430000	1615710000	
10	31.50	1.240	50	1597440000	1610200000	
11	35.00	1.378	50	1597450000	1615720000	
12	38.50	1.516	50	1597460000	1615730000	
13	42.00	1.654	50	1597470000	1615740000	
14	45.50	1.791	50	1597480000	1615750000	
15	49.00	1.929	50	1597490000	1615760000	
16	52.50	2.067	50	1597500000	1615770000	
17	56.00	2.205	20	1620290000	1620370000	
18	59.50	2.343	20	1620300000	1620380000	
19	63.00	2.480	20	1620310000	1620390000	
20	66.50	2.618	20	1620320000	1620400000	
21	70.00	2.756	20	1620330000	1620410000	
22	73.50	2.894	20	1620340000	1620420000	
23	77.00	3.031	20	1620350000	1620430000	
24	80.50	3.169	20	1620360000	1620440000	

Representative deratings curve

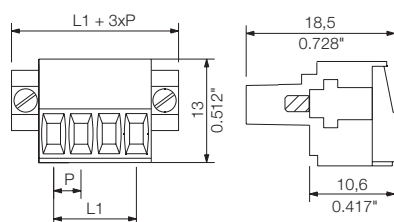


BL 3.50/./180F

with screw flange



Dimensioned drawing

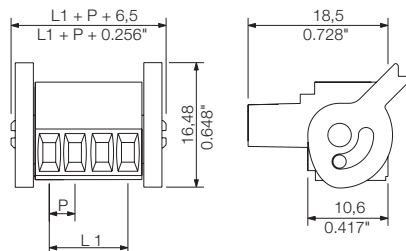


BL 3.50/./180LH

with release lever



Dimensioned drawing

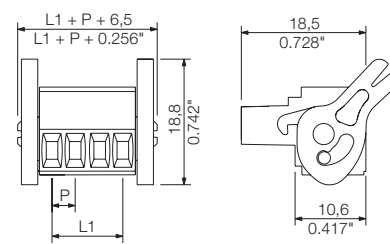


BL 3.50/./180LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	100	1606640000	1615780000
3	7.00	0.276	100	1606650000	1615790000
4	10.50	0.413	100	1606660000	1615800000
5	14.00	0.551	50	1606670000	1615810000
6	17.50	0.689	50	1606680000	1615820000
7	21.00	0.827	50	1606690000	1615830000
8	24.50	0.965	50	1606700000	1615840000
9	28.00	1.102	50	1606710000	1615850000
10	31.50	1.240	50	1606720000	1615860000
11	35.00	1.378	50	1606730000	1615870000
12	38.50	1.516	50	1606740000	1615880000
13	42.00	1.654	50	1606750000	1615890000
14	45.50	1.791	50	1606760000	1615900000
15	49.00	1.929	50	1606770000	1615910000
16	52.50	2.067	50	1606780000	1615920000
17	56.00	2.205	20	1620760000	1620840000
18	59.50	2.343	20	1620770000	1620850000
19	63.00	2.480	20	1620780000	1620860000
20	66.50	2.618	20	1620790000	1620870000
21	70.00	2.756	20	1620800000	1620880000
22	73.50	2.894	20	1620810000	1620890000
23	77.00	3.031	20	1620820000	1620900000
24	80.50	3.169	20	1620830000	1620910000

Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	100	1687650000	1687880000
3	7.00	0.276	100	1687660000	1687890000
4	10.50	0.413	100	1687670000	1687900000
5	14.00	0.551	50	1687680000	1687910000
6	17.50	0.689	50	1687690000	1687920000
7	21.00	0.827	50	1687700000	1687930000
8	24.50	0.965	50	1687710000	1687940000
9	28.00	1.102	50	1687720000	1687950000
10	31.50	1.240	50	1687730000	1687960000
11	35.00	1.378	50	1687740000	1687970000
12	38.50	1.516	36	1687750000	1687980000
13	42.00	1.654	50	1687760000	1687990000
14	45.50	1.791	50	1687770000	1688000000
15	49.00	1.929	50	1687780000	1688010000
16	52.50	2.067	50	1687790000	1688020000
17	56.00	2.205	20	1687800000	1688030000
18	59.50	2.343	20	1687810000	1688040000
19	63.00	2.480	20	1687820000	1688050000
20	66.50	2.618	20	1687830000	1688060000
21	70.00	2.756	20	1687840000	1688070000
22	73.50	2.894	20	1687850000	1688080000
23	77.00	3.031	20	1687860000	1688090000
24	80.50	3.169	20	1687870000	1688100000

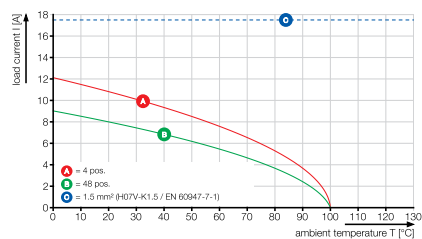
Ordering data

Solder pin length					
Colour		Orange			
Pitch	3.50 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	3.50	0.138	100	1379600000	
3	7.00	0.276	100	1134310000	
4	10.50	0.413	100	1134320000	
5	14.00	0.551	50	1134330000	
6	17.50	0.689	50	1134340000	
7	21.00	0.827	50	1134350000	
8	24.50	0.965	50	1134360000	
9	28.00	1.102	50	1134370000	
10	31.50	1.240	50	1134380000	
11	35.00	1.378	50	1134390000	
12	38.50	1.516	36	1134400000	
13	42.00	1.654	50	1134410000	
14	45.50	1.791	50	1134420000	
15	49.00	1.929	50	1134430000	
16	52.50	2.067	50	1134440000	

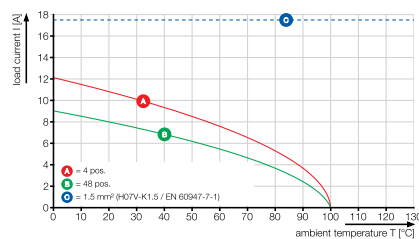
Compatible with SL-SMT 3.50/./90RF

Additional deratings curves

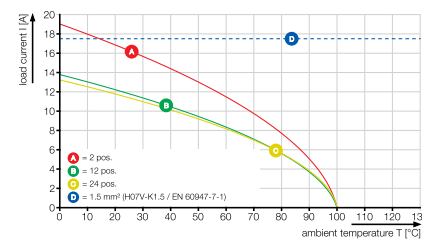
BL 3.50/./180 - SLD 3.50V/./90



BL 3.50/./180 - SLD 3.50V/./180

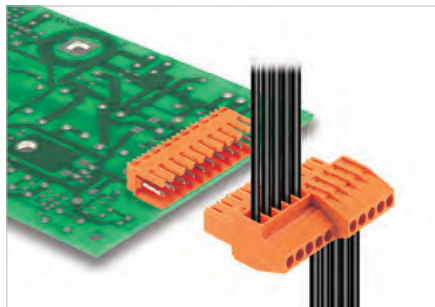


BL 3.50/./180 - SL 3.50V/./90



Connectors in 3.50 mm pitch
Series BL/SL 3.50

BL 3.50/.. /90 & 270



Female plug with clamping-yoke screw system for connecting wires with 90° and 270° angled orientation in 3.5 mm pitch. The female plugs are also available with a screw flange (F). They include space for labelling and can be coded.

Product data

IEC: 320 V / 12 A / 0.2 - 1.5 mm²
UL: 300 V / 8 A / AWG 28 - 14



For additional articles and information, refer to catalog.weidmueller.com

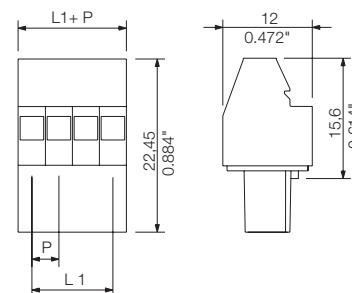
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BL 3.50/.. /90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1.5
Ferrule with plastic collar	mm ²	0.2...1.5
Stripping length	mm	6
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264
Tightening torque range	Nm	0.2...0.25

Rated current, max.	A	12	10
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	160	320
Rated impulse voltage	kV	2.5	2.5
UL / CUL (Use Group)	B	C	D

Rated voltage	V	300	300
Rated current	A	8	8
AWG conductor	AWG	28-14	
CSA (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-14	

General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

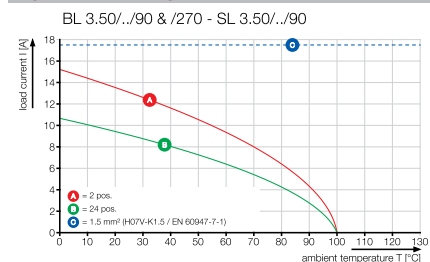
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Screwdriver		
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000

Ordering data

Soldier pin length						
Colour			Orange		Black	
Pitch			3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	3.50	0.138	100	1638550000	1638780000	
3	7.00	0.276	100	1638560000	1638790000	
4	10.50	0.413	100	1638570000	1638800000	
5	14.00	0.551	50	1638580000	1638810000	
6	17.50	0.689	50	1638590000	1638820000	
7	21.00	0.827	50	1638600000	1638830000	
8	24.50	0.965	50	1638610000	1638840000	
9	28.00	1.102	50	1638620000	1638850000	
10	31.50	1.240	50	1638630000	1638860000	
11	35.00	1.378	50	1638640000	1638870000	
12	38.50	1.516	50	1638650000	1638880000	
13	42.00	1.654	50	1638660000	1638890000	
14	45.50	1.791	50	1638670000	1638900000	
15	49.00	1.929	50	1638680000	1638910000	
16	52.50	2.067	50	1638690000	1638920000	
17	56.00	2.205	20	1638700000	1638930000	
18	59.50	2.343	20	1638710000	1638940000	
19	63.00	2.480	20	1638720000	1638950000	
20	66.50	2.618	20	1638730000	1638960000	
21	70.00	2.756	20	1638740000	1638970000	
22	73.50	2.894	20	1638750000	1638980000	
23	77.00	3.031	20	1638760000	1638990000	
24	80.50	3.169	20	1638770000	1639000000	

Representative deratings curve

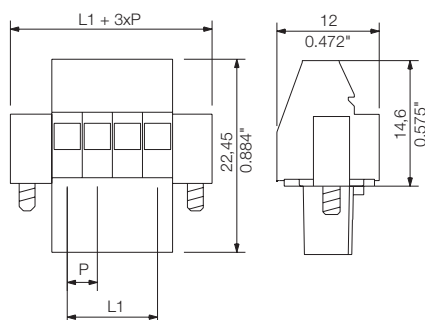


BL 3.50/./90F

with screw flange



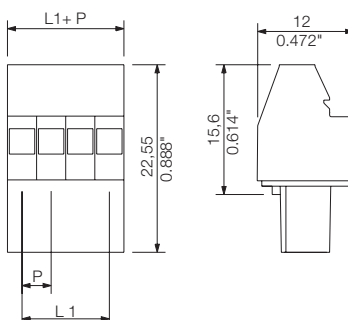
Dimensioned drawing

**Ordering data**

Solder pin length					
Colour			Orange		Black
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	100	1639010000	1639240000
3	7.00	0.276	100	1639020000	1639250000
4	10.50	0.413	100	1639030000	1639260000
5	14.00	0.551	50	1639040000	1639270000
6	17.50	0.689	50	1639050000	1639280000
7	21.00	0.827	50	1639060000	1639290000
8	24.50	0.965	50	1639070000	1639300000
9	28.00	1.102	50	1639080000	1639310000
10	31.50	1.240	50	1639090000	1639320000
11	35.00	1.378	50	1639100000	1639330000
12	38.50	1.516	50	1639110000	1639340000
13	42.00	1.654	50	1639120000	1639350000
14	45.50	1.791	50	1639130000	1639360000
15	49.00	1.929	50	1639140000	1639370000
16	52.50	2.067	50	1639150000	1639380000
17	56.00	2.205	20	1639160000	1639390000
18	59.50	2.343	20	1639170000	1639400000
19	63.00	2.480	20	1639180000	1639410000
20	66.50	2.618	20	1639190000	1639420000
21	70.00	2.756	20	1639200000	1639430000
22	73.50	2.894	20	1639210000	1639440000
23	77.00	3.031	20	1639220000	1639450000
24	80.50	3.169	20	1639230000	1639460000

BL 3.50/./270

Dimensioned drawing

**Ordering data**

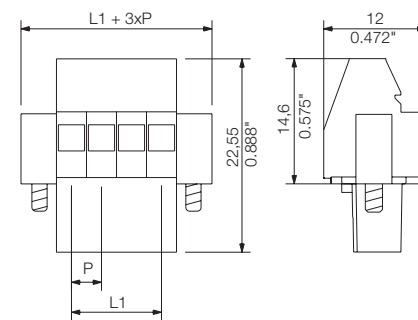
Solder pin length					
Colour			Orange		Black
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	100	1639470000	1639700000
3	7.00	0.276	100	1639480000	1639710000
4	10.50	0.413	100	1639490000	1639720000
5	14.00	0.551	50	1639500000	1639730000
6	17.50	0.689	50	1639510000	1639740000
7	21.00	0.827	50	1639520000	1639750000
8	24.50	0.965	50	1639530000	1639760000
9	28.00	1.102	50	1639540000	1639770000
10	31.50	1.240	50	1639550000	1639780000
11	35.00	1.378	50	1639560000	1639790000
12	38.50	1.516	50	1639570000	1639800000
13	42.00	1.654	50	1639580000	1639810000
14	45.50	1.791	50	1639590000	1639820000
15	49.00	1.929	50	1639600000	1639830000
16	52.50	2.067	50	1639610000	1639840000
17	56.00	2.205	20	1639620000	1639850000
18	59.50	2.343	20	1639630000	1639860000
19	63.00	2.480	20	1639640000	1639870000
20	66.50	2.618	20	1639650000	1639880000
21	70.00	2.756	20	1639660000	1639890000
22	73.50	2.894	20	1639670000	1639900000
23	77.00	3.031	20	1639680000	1639910000
24	80.50	3.169	20	1639690000	1639920000

BL 3.50/./270F

with screw flange



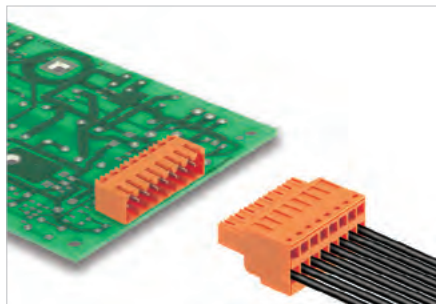
Dimensioned drawing

**Ordering data**

Solder pin length					
Colour			Orange		Black
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	100	1639930000	1640160000
3	7.00	0.276	100	1639940000	1640170000
4	10.50	0.413	100	1639950000	1640180000
5	14.00	0.551	50	1639960000	1640190000
6	17.50	0.689	50	1639970000	1640200000
7	21.00	0.827	50	1639980000	1640210000
8	24.50	0.965	50	1639990000	1640220000
9	28.00	1.102	50	1640000000	1640230000
10	31.50	1.240	50	1640010000	1640240000
11	35.00	1.378	50	1640020000	1640250000
12	38.50	1.516	50	1640030000	1640260000
13	42.00	1.654	50	1640040000	1640270000
14	45.50	1.791	50	1640050000	1640280000
15	49.00	1.929	50	1640060000	1640290000
16	52.50	2.067	50	1640070000	1640300000
17	56.00	2.205	20	1640080000	1640310000
18	59.50	2.343	20	1640090000	1640320000
19	63.00	2.480	20	1640100000	1640330000
20	66.50	2.618	20	1640110000	1640340000
21	70.00	2.756	20	1640120000	1640350000
22	73.50	2.894	20	1640130000	1640360000
23	77.00	3.031	20	1640140000	1640370000
24	80.50	3.169	20	1640150000	1640380000

Connectors in 3.50 mm pitch Series BL/SL 3.50

BLZF 3.50/././180



Female plug with tension-clamp wire connection in 3.5 mm pitch. Available with a screw flange (F), release lever (LH) or lock and release lever (LR). They include space for labelling and can be coded.

Product data

IEC: 320 V / 14.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

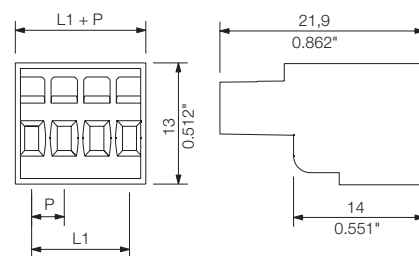
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Max. outer diameter of the conductor: 2.9 mm
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Crimp shape A for wire-end ferrules with crimping tools PZ 1.5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZF 3.50/././180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1.5
Ferrule with plastic collar	mm ²	0.2...1
Stripping length	mm	10
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264-A

Tightening torque range	Nm	
Rated current, max.	A	14.5 12
At ambient temperature	20°C	40°C

For conductor cross-section	mm ²	1.5
Overvoltage category	III	III II
Pollution severity	3	2 2

Rated voltage	V	160 160 320
Rated impulse voltage	kV	2.5 2.5 2.5

UL / CUL (Use Group)	B C D	D
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Rated voltage	V	300 300
Rated current	A	10 10

AWG conductor	AWG	26-14
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CSA (Use Group)	B C D	D
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Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	26-14

General data

Type of insulation material	PBT
UL 94 flammability rating	V-0
Contact base material	Cu-Leg
Material of contact surface	tinned
Pin dimensions = d	mm
Solder eyelet Ø = D	mm
Solder eyelet Ø tolerance	mm

Accessories

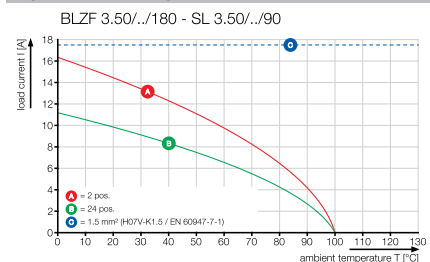
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Strain relief		
	BL 3.50 ZE03 BK BX	1627820000
	BL 3.50 ZE03 OR BX	1629680000
	BL 3.50 ZE08 OR BX	1629690000
Screwdriver		
	SDS 0.4X2.5X75	9009030000
Crimping tool		
	PZ 1.5	9005990000
	PZ 6/5	9011460000

Ordering data

Soldier pin length		Colour		Orange		Black	
Pitch		3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.	Order No.	Order No.
2	3.50	0.138	100	1690190000	1690420000		
3	7.00	0.276	100	1690200000	1690430000		
4	10.50	0.413	100	1690210000	1690440000		
5	14.00	0.551	50	1690220000	1690450000		
6	17.50	0.689	50	1690230000	1690460000		
7	21.00	0.827	50	1690240000	1690470000		
8	24.50	0.965	50	1690250000	1690480000		
9	28.00	1.102	50	1690260000	1690490000		
10	31.50	1.240	50	1690270000	1690500000		
11	35.00	1.378	50	1690280000	1690510000		
12	38.50	1.516	50	1690290000	1690520000		
13	42.00	1.654	50	1690300000	1690530000		
14	45.50	1.791	50	1690310000	1690540000		
15	49.00	1.929	50	1690320000	1690550000		
16	52.50	2.067	50	1690330000	1690560000		
17	56.00	2.205	20	1690340000	1690570000		
18	59.50	2.343	20	1690350000	1690580000		
19	63.00	2.480	20	1690360000	1690590000		
20	66.50	2.618	20	1690370000	1690600000		
21	70.00	2.756	20	1690380000	1690610000		
22	73.50	2.894	20	1690390000	1690620000		
23	77.00	3.031	20	1690400000	1690630000		
24	80.50	3.169	20	1690410000	1690640000		

Representative deratings curve

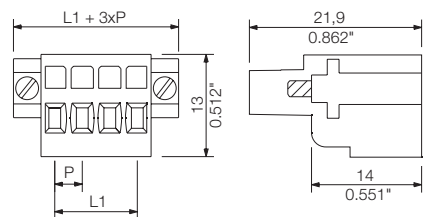


BLZF 3.50/./180F

with screw flange



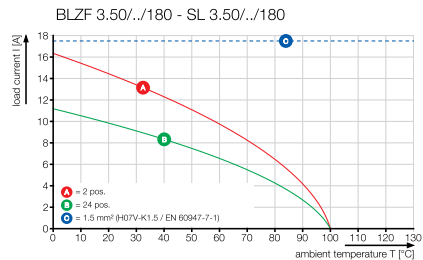
Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	100	1690880000	1691110000
3	7.00	0.276	100	1690890000	1691120000
4	10.50	0.413	100	1690900000	1691130000
5	14.00	0.551	50	1690910000	1691140000
6	17.50	0.689	50	1690920000	1691150000
7	21.00	0.827	50	1690930000	1691160000
8	24.50	0.965	50	1690940000	1691170000
9	28.00	1.102	50	1690950000	1691180000
10	31.50	1.240	50	1690960000	1691190000
11	35.00	1.378	50	1690970000	1691200000
12	38.50	1.516	50	1690980000	1691210000
13	42.00	1.654	50	1690990000	1691220000
14	45.50	1.791	50	1691000000	1691230000
15	49.00	1.929	50	1691010000	1691240000
16	52.50	2.067	50	1691020000	1691250000
17	56.00	2.205	20	1691030000	1691260000
18	59.50	2.343	20	1691040000	1691270000
19	63.00	2.480	20	1691050000	1691280000
20	66.50	2.618	20	1691060000	1691290000
21	70.00	2.756	20	1691070000	1691300000
22	73.50	2.894	20	1691080000	1691310000
23	77.00	3.031	20	1691090000	1691320000
24	80.50	3.169	20	1691100000	1691330000

Additional deratings curves

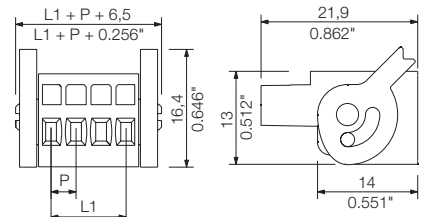


BLZF 3.50/./180LH

with release lever



Dimensioned drawing



Ordering data

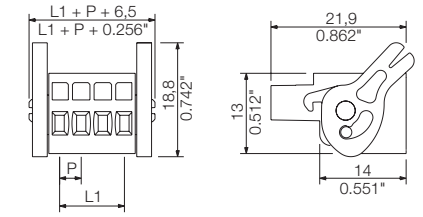
Solder pin length					
Colour			Orange		Black
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	100	1691570000	1691800000
3	7.00	0.276	100	1691580000	1691810000
4	10.50	0.413	100	1691590000	1691820000
5	14.00	0.551	50	1691600000	1691830000
6	17.50	0.689	50	1691610000	1691840000
7	21.00	0.827	50	1691620000	1691850000
8	24.50	0.965	50	1691630000	1691860000
9	28.00	1.102	50	1691640000	1691870000
10	31.50	1.240	50	1691650000	1691880000
11	35.00	1.378	50	1691660000	1691890000
12	38.50	1.516	50	1691670000	1691900000
13	42.00	1.654	50	1691680000	1691910000
14	45.50	1.791	50	1691690000	1691920000
15	49.00	1.929	50	1691700000	1691930000
16	52.50	2.067	50	1691710000	1691940000
17	56.00	2.205	20	1691720000	1691950000
18	59.50	2.343	20	1691730000	1691960000
19	63.00	2.480	20	1691740000	1691970000
20	66.50	2.618	20	1691750000	1691980000
21	70.00	2.756	20	1691760000	1691990000
22	73.50	2.894	20	1691770000	1692000000
23	77.00	3.031	20	1691780000	1692010000
24	80.50	3.169	20	1691790000	1692020000

BLZF 3.50/./180LR

with release latch



Dimensioned drawing



Ordering data

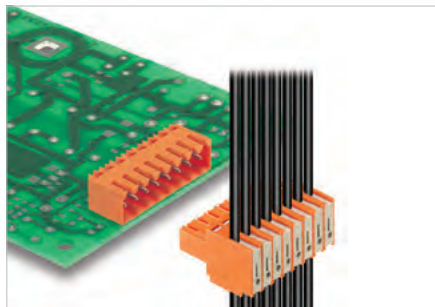
Solder pin length				
Colour			Orange	
Pitch	3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	3.50	0.138	100	1379590000
3	7.00	0.276	100	1134450000
4	10.50	0.413	100	1134460000
5	14.00	0.551	50	1134470000
6	17.50	0.689	50	1134480000
7	21.00	0.827	50	1134490000
8	24.50	0.965	50	1134510000
9	28.00	1.102	50	1134520000
10	31.50	1.240	50	1134530000
11	35.00	1.378	50	1134540000
12	38.50	1.516	50	1134550000
13	42.00	1.654	50	1134560000
14	45.50	1.791	50	1134570000
15	49.00	1.929	50	1134580000
16	52.50	2.067	50	1134590000

Compatible with SL-SMT 3.50/./90RF

Compatible with SL-SMT 3.50/./90RF

Connectors in 3.50 mm pitch Series BL/SL 3.50

BLIDCB 3.50/./180



Female plug provides quick IDC wire connections in 3.5 mm pitch for bus applications. The female plugs are also available with a screw flange (F). They include space for labelling and can be coded.

Product data

IEC: 250 V / 6 A / 0.35 - 0.5 mm²
UL: 300 V / 7 A / AWG 22 - 20



For additional articles and information, refer to
catalog.weidmüller.com

Note:

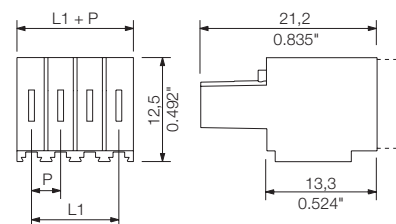
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- For IDC contact 0.5: cable acc. to DIN EN 60352-4
- AWG conductor: solid, 7 or 19 strands only
- Temperature range -20 to +80 °C
- BLIDC 3.5 and BLIDCB 3.5 conductors "solid"/"flexible" to DIN 47726
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLIDCB 3.50/./180

Bus version



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.32...0.5	
Solid core H05(07) V-U	mm ²	0.35...0.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.35...0.5	
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm	0.4 x 2.5	
According to norm		DIN 5264-A	
Tightening torque range	Nm		
Rated current, max.	A	6	6
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	0.5	
Overtolerance category		III	II
Pollution severity		3	2
Rated voltage	V	160	250
Rated impulse voltage	kV	2.5	2.5
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	7	7
AWG conductor	AWG	22-20	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	7	7
AWG conductor	AWG	22-20	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

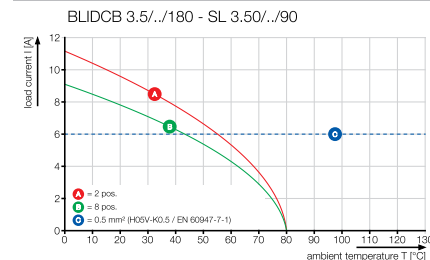
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Mounting block		
	BLIDCB 3.5 ASB	1770310000
Screwdriver		
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length						
Colour			Orange		Black	
Pitch		3.50 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	3.50	0.138	10	1751380000	1770670000	
3	7.00	0.276	10	1751390000	1770680000	
4	10.50	0.413	10	1751400000	1770690000	
5	14.00	0.551	10	1751410000	1770700000	
6	17.50	0.689	10	1751420000	1770710000	
7	21.00	0.827	10	1751430000	1770720000	
8	24.50	0.965	10	1751440000	1770730000	

Representative deratings curve

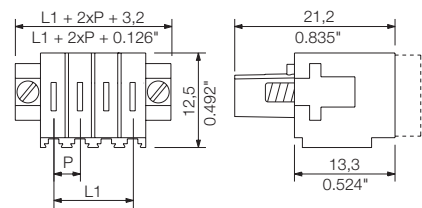


BLIDCB 3.50/./180F

Bus version; with screw flange



Dimensioned drawing

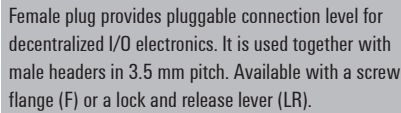


Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	10	1751450000	1770740000
3	7.00	0.276	10	1751460000	1770750000
4	10.50	0.413	10	1751470000	1770760000
5	14.00	0.551	10	1751480000	1770770000
6	17.50	0.689	10	1751490000	1770780000
7	21.00	0.827	10	1751500000	1770790000
8	24.50	0.965	10	1751510000	1770800000



C



Note:

-

In compliance with IEC 60664-1 / IEC 61984

Note: Refer to the Accessories chapter for additional accessories

Solder pin length

Colour				Light Grey	Black
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
10	31.50	1.240	20	1871690000	1779880000

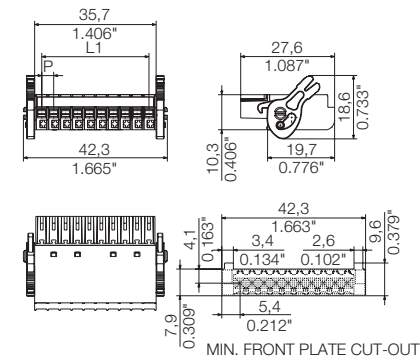


BL-I/O 3.50/10/180LR

with release latch



Dimensioned drawing



Ordering data

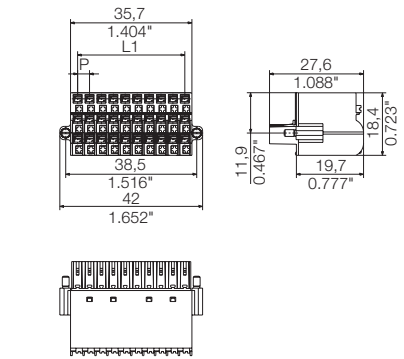
Solder pin length				
Colour				Black
Pitch 3.50 mm				
Pol.	L1	(inch)	Qty.	Order No.
10	31.50	1.240	20	1000540000

BL-I/O 3.50/30/180F

with screw flange



Dimensioned drawing



Ordering data

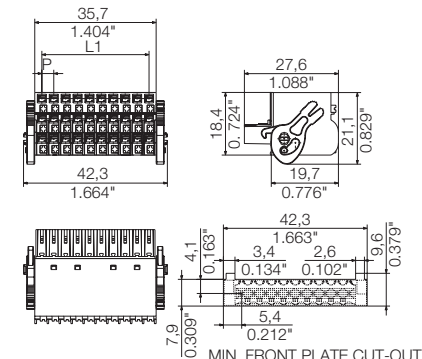
Solder pin length						
Colour				Light Grey		Black
Pitch		3.50 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
30	31.50	1.240	20	1965910000	1779920000	

BL-I/O 3.50/30/180LR

with release latch



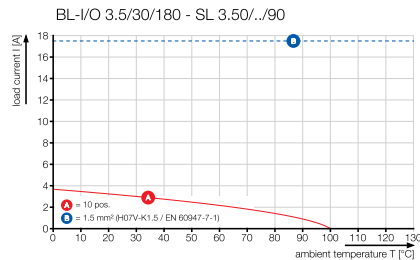
Dimensioned drawing



Ordering data

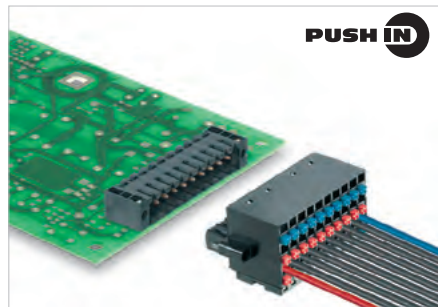
Solder pin length				
Colour				Black
Pitch 3.50 mm				
Pol.	L1	(inch)	Qty.	Order No.
30	31.50	1.240	20	1000550000

Additional deratings curves



Connectors in 3.50 mm pitch Series BL/SL 3.50

BL-I/O 3.50/.. /180 PNP LED



PUSH IN

Female plug provides pluggable connection level with common minus (PNP sensor) for decentralized I/O electronics with integrated LED display; used together with male headers in 3.5 mm pitch. Available with a screw flange (F) or a lock on release lever (LR).

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²	0.2...1.5	
Solid core H05(07) V-U	mm²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm²	0.2...1.5	
Flexible with ferrule	mm²	0.2...1	
Ferrule with plastic collar	mm²	0.2...0.75	
Stripping length	mm	8	
Screwdriver blade	mm	0.4 x 2.5	
According to norm		DIN 5264	
Tightening torque range	Nm		
Rated current, max.	A	2.2	2.2
At ambient temperature		20°C	40°C
For conductor cross-section	mm²	1	
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	50	
Rated impulse voltage	kV	0.8	
UL / CUL (Use Group)		B	C
Rated voltage	V	50	50
Rated current	A	5	5
AWG conductor	AWG	24-16	
CSA (Use Group)		B	C
Rated voltage	V	50	50
Rated current	A	5	5
AWG conductor	AWG	22-16	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: / 2.2 A / 0.2 - 1.5 mm²
UL: 50 V / 5 A / AWG 24 - 16



For additional articles and information, refer to
catalog.weidmueller.com

Note:

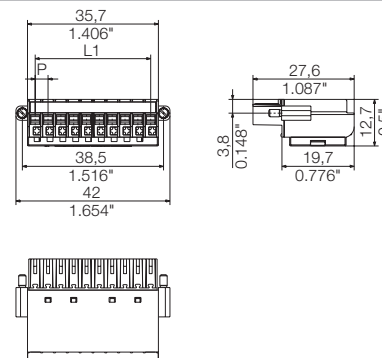
- LED operating voltage: 10 - 30V; LED operating current: 0.8mA at 24V
- Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- Total load-carrying capacity of the potential bridges when feeding with 1.5 mm² is max. 17.5 A (so the capacity is 2.18 A for poles 2 through 9)
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Conductor < 0.2 mm² tinned
- Max. outer diameter of the conductor: 2.9 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BL-I/O 3.50/10/180F PNP LED

with screw flange



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

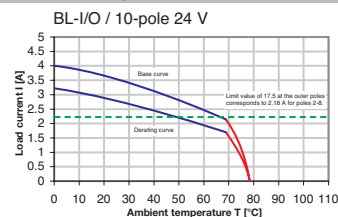
Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Screwdriver		
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000
Crimping tool		
	PZ 1.5	9005990000
	PZ 6/5	9011460000

Ordering data

Solder pin length					
Colour			Light Grey		Black
Pitch		3.50 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
10	31.50	1.240	20	1965940000	1789090000

LED series resistors designed for 24 V

Representative deratings curve



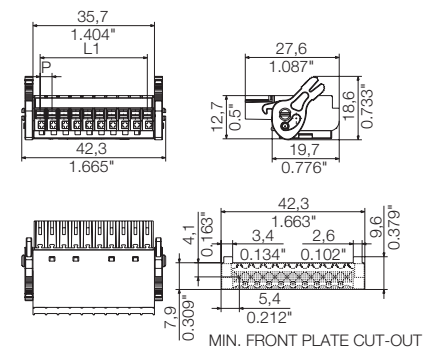
LED series resistors designed for 24 V

BL-I/O 3.50/10/180LR PNP LED

with release latch



Dimensioned drawing



Ordering data

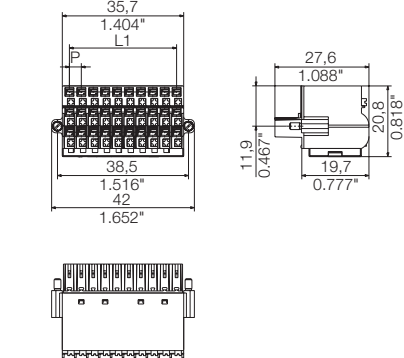
Solder pin length					
Colour					Black
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	
10	31.50	1.240	20	1000560000	

BL-I/O 3.50/30/180F PNP LED

with screw flange



Dimensioned drawing



Ordering data

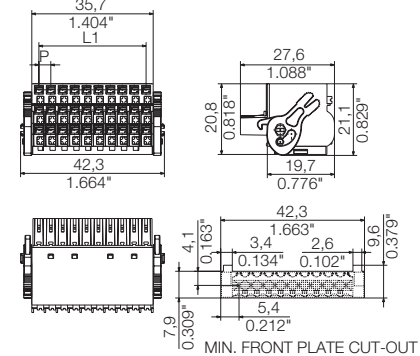
Solder pin length					
Colour					Light Grey Black
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
30	31.50	1.240	20	1965970000	1789110000

BL-I/O 3.50/30/180LR PNP LED

with release latch



Dimensioned drawing



Ordering data

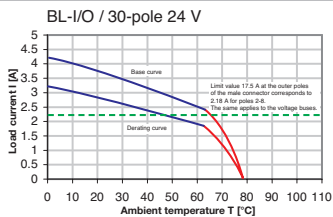
Solder pin length					
Colour					Black
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	
30	31.50	1.240	20	1000570000	

LED series resistors designed for 24 V

LED series resistors designed for 24 V

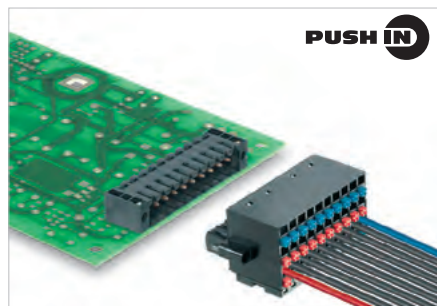
LED series resistors designed for 24 V

Additional deratings curves



Connectors in 3.50 mm pitch
Series BL/SL 3.50

BL-I/O 3.50/.. /180 NPN LED



PUSH IN

Female plug provides pluggable connection level with common positive (NPN sensor) for decentralized I/O electronics with integrated LED display; used together with male headers in 3.5 mm pitch. Available with a screw flange (F) or a lock on release lever (LR).

Product data

IEC: / 2.2 A / 0.2 - 1.5 mm²
UL: 50 V / 5 A / AWG 24 - 16



For additional articles and information, refer to
catalog.weidmueller.com

Note:

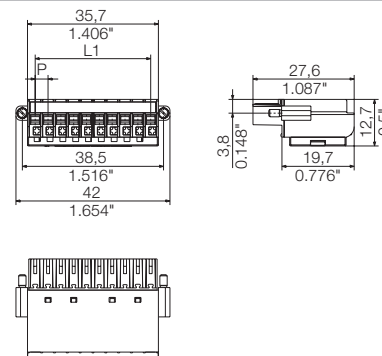
- LED operating voltage: 10 - 30V; LED operating current: 0.8mA at 24V
- Crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- Total load-carrying capacity of the potential bridges when feeding with 1.5 mm² is max. 17.5 A (so the capacity is 2.18 A for poles 2 through 9)
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Conductor < 0.2 mm² tinned
- Max. outer diameter of the conductor: 2.9 mm
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BL-I/O 3.50/10/180F NPN LED

with screw flange



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984		
Clamping range, max.	mm ²	0.2...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1
Ferrule with plastic collar	mm ²	0.2...0.75
Stripping length	mm	8
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264
Tightening torque range	Nm	
Rated current, max.	A	2.2 2.2
At ambient temperature		20°C 40°C
For conductor cross-section	mm ²	1
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	50
Rated impulse voltage	kV	0.8
UL / CUL (Use Group)	B C D	
Rated voltage	V	50 50
Rated current	A	5 5
AWG conductor	AWG	24-16
CSA (Use Group)	B C D	
Rated voltage	V	50 50
Rated current	A	5 5
AWG conductor	AWG	22-16
General data		
Type of insulation material		PBT
UL 94 flammability rating		V-0
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

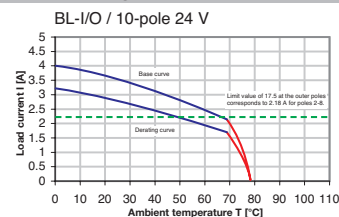
Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000
Screwdriver		
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000
Crimping tool		
	PZ 1.5	9005990000
	PZ 6/5	9011460000

Ordering data

Solder pin length					
Colour		Light Grey	Black		
Pitch 3.50 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
10	31.50	1.240	20	1965950000	1938010000

LED series resistors designed for 24 V

Representative deratings curve



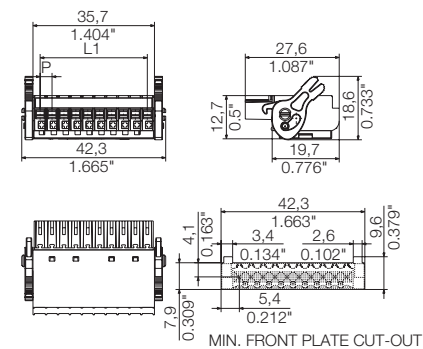
LED series resistors designed for 24 V

BL-I/O 3.50/10/180LR NPN LED

with release latch



Dimensioned drawing



Ordering data

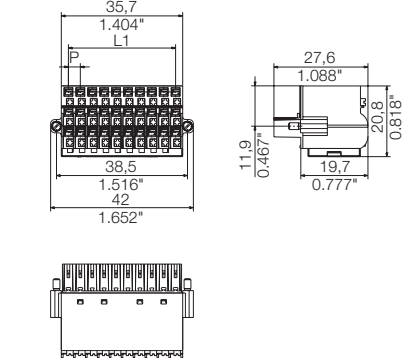
Solder pin length					
Colour					Black
Pitch	3.50 mm				
Pol.	L1	(inch)	Qty.	Order No.	
10	31.50	1.240	20	1000580000	

BL-I/O 3.50/30/180F NPN LED

with screw flange



Dimensioned drawing



Ordering data

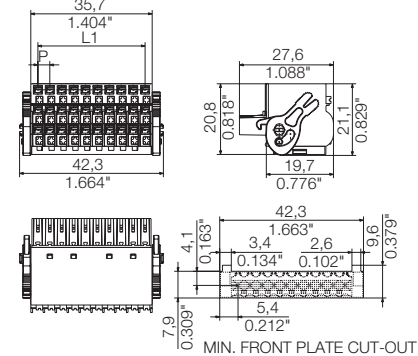
Solder pin length					
Colour					Light Grey Black
Pitch	3.50 mm				
Pol.	L1	(inch)	Qty.	Order No.	
30	31.50	1.240	20	1965980000	1938020000

BL-I/O 3.50/30/180LR NPN LED

with release latch



Dimensioned drawing



Ordering data

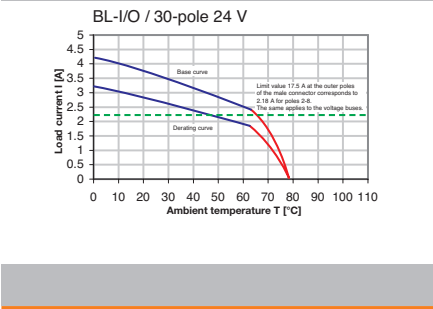
Solder pin length					
Colour					Black
Pitch	3.50 mm				
Pol.	L1	(inch)	Qty.	Order No.	
30	31.50	1.240	20	1000590000	

LED series resistors designed for 24 V

LED series resistors designed for 24 V

LED series resistors designed for 24 V

Additional deratings curves



BL-I/O 3.50/./180

BL-I/O 3.5 30-pin

- Pluggable connection terminals for remote I/O electronics
- Directly from the control or industrial PC etc. to the sensor or actuator level
- Significant space savings as well as savings in design time and wiring.

BL-I/O 3.50/./180 PNP LED

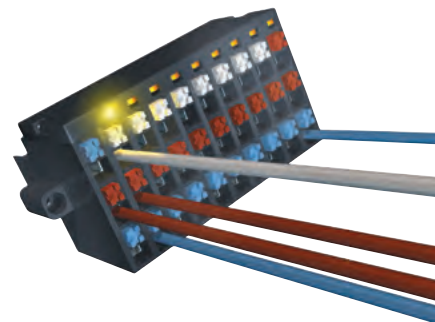
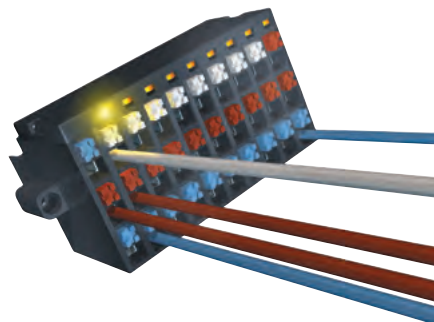
BL-I/O 3.5 30-pin

- Pluggable connection terminals for remote I/O electronics
- Directly from the control or industrial PC etc. to the sensor or actuator level
- Significant space savings as well as savings in design time and wiring.

BL-I/O 3.50/./180 NPN LED

BL-I/O 3.5 30-pin

- Pluggable connection terminals for remote I/O electronics
- Directly from the control or industrial PC etc. to the sensor or actuator level
- Significant space savings as well as savings in design time and wiring.



Integrated LED version

- Available for all the BL-I/Os
- Test the sensor or actuator cabling before commissioning the controller
- Eliminates the need for function displays in the housing

Integrated LED version

- Available for all the BL-I/Os
- Test the sensor or actuator cabling before commissioning the controller
- Eliminates the need for function displays in the housing

Diagram of BL-I/O 30 pin with SL 3.5 10 pin

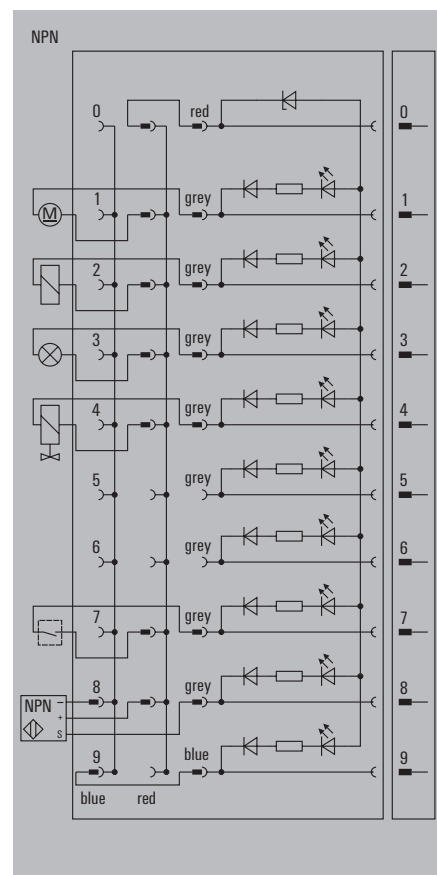
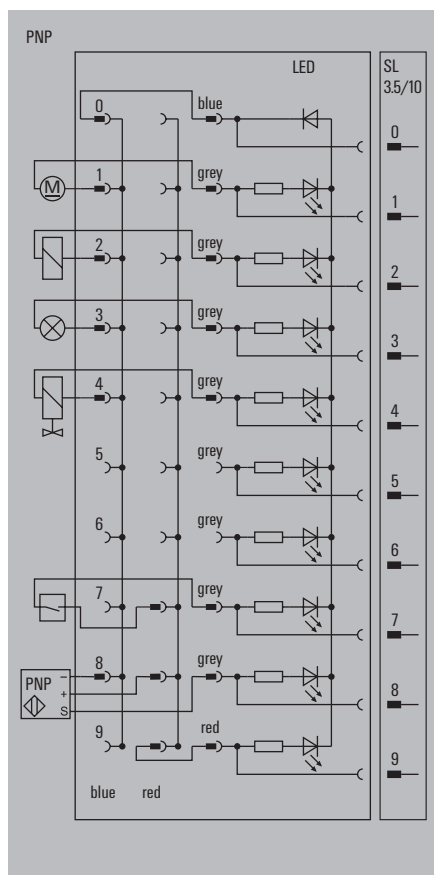
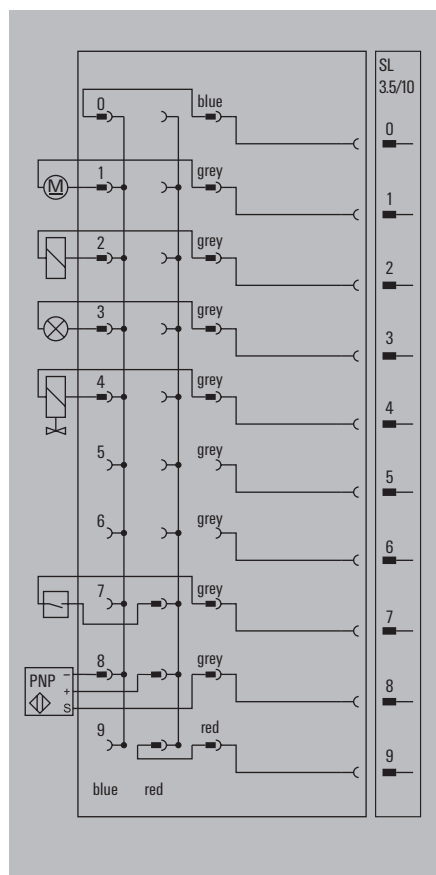
- Direct connection possibilities for sensors and actuators including their power supply
- Can be used for external or internal power supply sources

Diagram of BL-I/O 30 pin with SL 3.5 10 pin

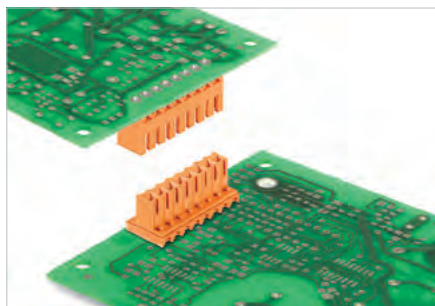
- Direct connection possibilities for sensors and actuators including their power supply
- Can be used for external or internal power supply sources

Diagram of BL-I/O 30 pin with SL 3.5 10 pin

- Direct connection possibilities for sensors and actuators including their power supply
- Can be used for external or internal power supply sources



BLL 3.50/./180



Inverted female header for:

- Finger-safety on the circuit board
- Board-to-board connection of modules (with SL/SL-SMT)
- Wave soldering
- Outlet direction: 180° (standing, perpendicular to PCB)

Product data

IEC: 320 V / 15.1 A

UL: 300 V / 9 A

For additional articles and information, refer to
catalog.weidmüller.com

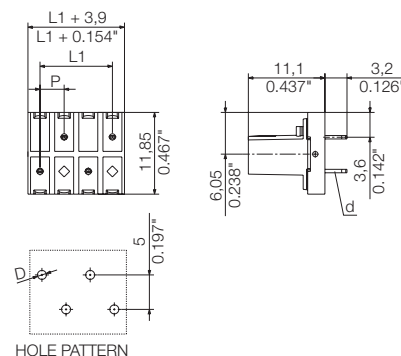
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLL 3.50/./180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	15.1	13
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	160	160
Rated impulse voltage	kV	2.5	2.5
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	9	9
AWG conductor	AWG	-	-
CSA (Use Group)		B	C
Rated voltage	V	300	
Rated current	A	9	
AWG conductor	AWG	-	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

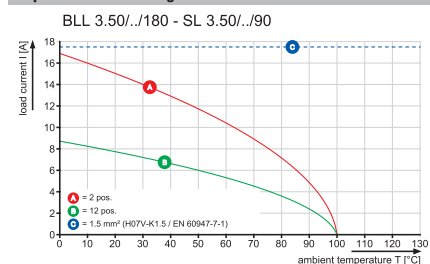
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BL SL 3.5 KO OR	1693430000
	BL SL 3.5 KO SW	1610100000

Ordering data

Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.50	0.138	75	1376310000	1376240000
3	7.00	0.276	50	1376320000	1376250000
4	10.50	0.413	38	1376330000	1376270000
5	14.00	0.551	30	1376340000	1376280000
6	17.50	0.689	25	1376430000	4309590000
7	21.00	0.827	22	1376350000	1376290000
8	24.50	0.965	19	1376440000	4349490000
9	28.00	1.102	17	1376450000	4286330000
10	31.50	1.240	15	1376470000	4342530000
11	35.00	1.378	14	1376370000	1376300000
12	38.50	1.516	13	1376480000	4286340000

Representative deratings curve



OMNIMATE Signal

PCB connectors in 3.81 mm pitch

OMNIMATE Signal PCB connectors in 3.81 mm pitch	Connectors in 3.81 mm pitch Series BC/SC 3.81		
		Explanation	D.2
		Quick selection	D.6
		Product selection	D.8

Plug-in connector OMNIMATE Signal 3.81

Opens up new dimensions for your application

Large variety of products and an extensive accessory range

- All combinations are possible: wire-to-board, wire-to-wire, board-to-board, board-to-wire
- Wide range of reflow ready strips
- Individually configurable with accessories and specific printing or coding
- Compact design to connect 1.5 mm² wires

Unique performance offering high levels of redundancy

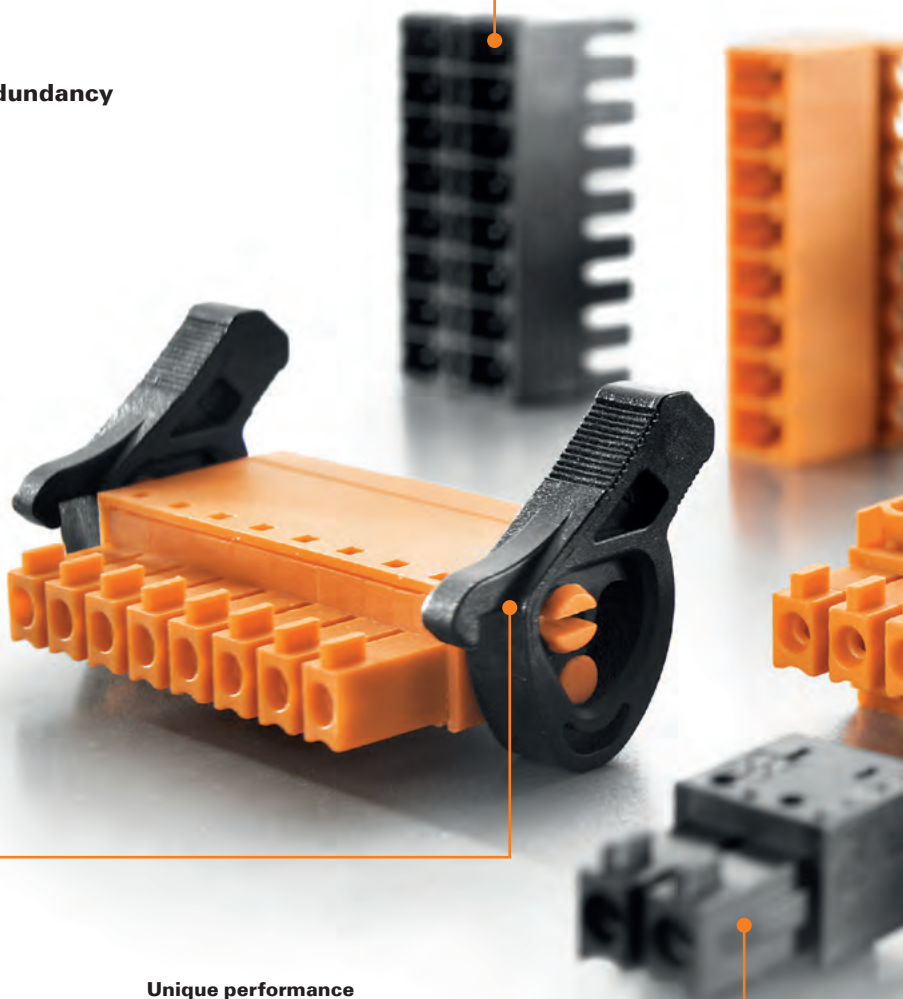
- Rated current: 17.5 A
- Up to 65 °C without derating
- Ambient temperature up to 120 °C

Safe handling characteristics

- Lock & Release lever allows tool-free locking and module-safe loosening
- Vibration resistant "PUSH IN" connection offers tool free wiring connection
- Proven screw connection

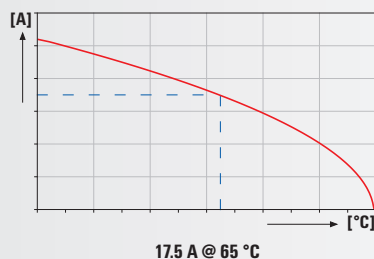
Simple handling

Reliable flange connections are easy to use and protect the electronic modules when they are removed: screw flange, release lever or lock & release lever.

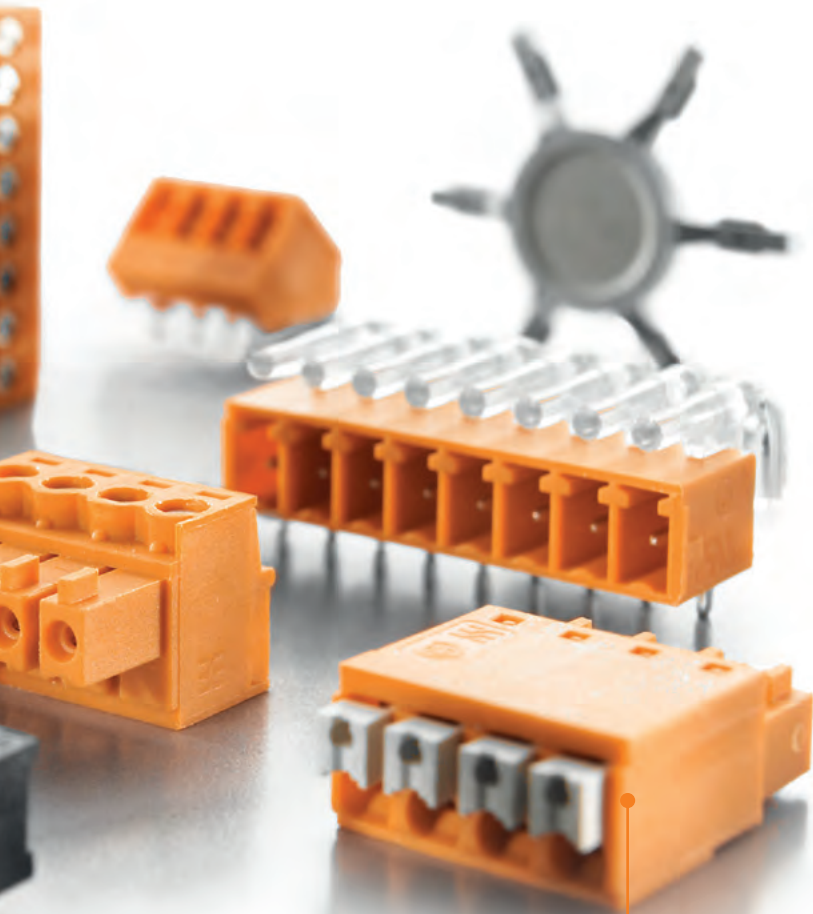


Unique performance

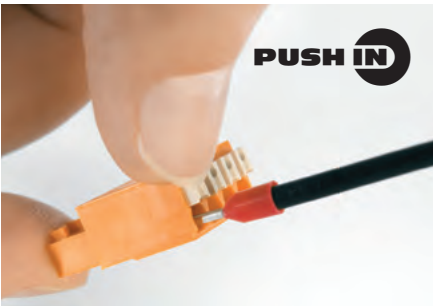
High power reserves allow applications without restrictions up to the maximum wiring power rating - even in high ambient temperatures.



Less space required
Minimum stack height,
maximum clamping force and "PUSH IN": the
SCDN 3.81 simply handles two 7.9 mm flat BCF
3.81 with 1.5 mm² wire end ferrules.

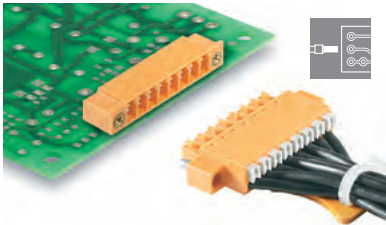


Maintenance-free, secure, vibration-proof
"PUSH IN" spring connection technology:
direct connection without tools – simply plug
in the prepared conductors – finished! Intuitive
operation using large release buttons.

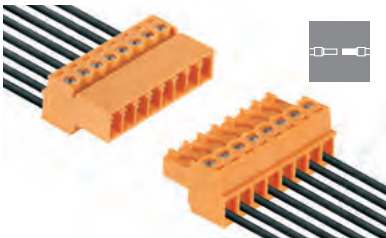


Complete system for all possible combinations and a comprehensive range of accessories

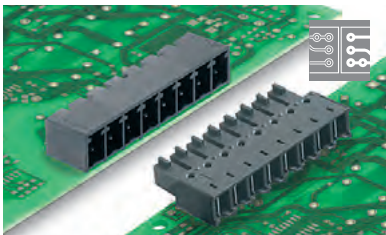
Wire-to-Board



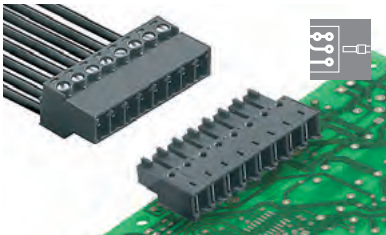
Wire-to-Wire



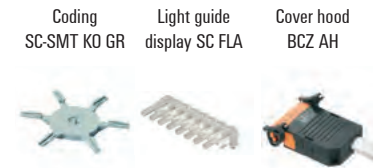
Board-to-Board



Board-to-Wire



Accessories



Plug-in connector OMNIMATE Signal 3.81

Brings new dimensions into handling

Best choice for reflow soldering

- Reflow strips made from the high temperature material LCP
- Form at high soldering temperatures stability
- Dimensionally stable
- Can be processed without drying (MSL 1)
- Thermal expansion properties similar to a FR4 PCB

Unique handling

- Suitable for automatic machine handling, antistatic packaging in tape, tray or tube
- Optional Pick & Place pad supports feeder systems
- Solder flange fixes the strip to the PCB without the use of screws
- An optimised pin end which permits AOI (automated optical inspection)
- Variable pin length to support placement on both sides of the PCB
- Integrated spacing bars improve the flow of heat during the solder process
- Free space in the pin area facilitate the development of the solder meniscus.

Packaging suitable for use in automated assembly

Standard belt widths for simple integration into the assembly process.



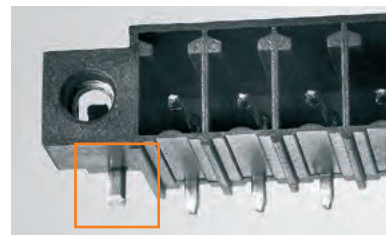
Code in advance – process universally

No additional work required for factory-side reflow-compatible coding.

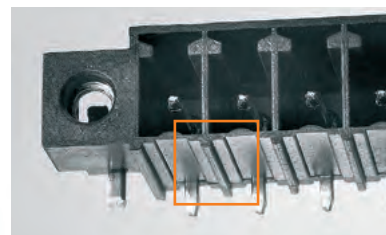


Solder flange pin

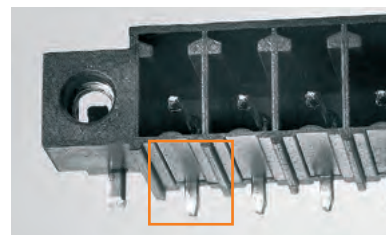
Secures to the PCB without a screw

**Integrated bars**

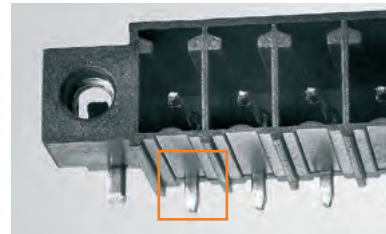
Optimal airflow during reflow soldering

**Rebates in the area of the pin**

Space for the development of the solder meniscus

**Pin tips**

Optimal recognition by the automatic optical inspection device (AOI)

**SMT**

No need for pre-treatment, high temperature material LCP is safe to use during the soldering process.



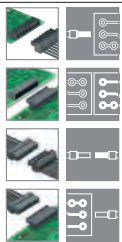
<http://www.OMNIMATE.net>

○ = Wire-to-Board

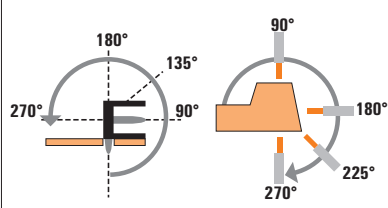
● = Board-to-Board

● = Wire-to-Wire

● = Board-to-Wire



Orientation



Male header



BC/SC 3.81 series



Levels

Orientation

IEC / UL

1	
90°	180°
IEC: 320 V/17.5 A UL: 300 V/10 A	IEC: 320 V/17.5 A UL: 300 V/10 A



Solder connection

Type

Flange options

Page

SC	SC
G/F	G/F
D.26	D.28



Reflow solder connection

Type

Flange options

Page

SC-SMT	SC-SMT
G/LF	G/LF
D.8	D.10

Female plug	 Screw		BCZ	180°	(G)/F/LR	IEC: 320 V/17.5 A/0.2 - 1.5 mm ² UL: 300 V/10 A/AWG 28 - 16	D.48			
			BCZ	90°	(G)/F	IEC: 320 V/17.5 A/0.2 - 1.5 mm ² UL: 300 V/10 A/AWG 28 - 16	D.52			
			BCZ	270°	(G)/F	IEC: 320 V/17.5 A/0.2 - 1.5 mm ² UL: 300 V/10 A/AWG 28 - 16	D.53			
	 PUSH IN		BCF	180°	(G)/F/LR	IEC: 320 V/17.5 A/0.14 - 1.5 mm ² UL: 300 V/10 A/AWG 24 - 16	D.54			
Female header	 Solder connection		BCL SMT	90°	(G)/F/LFI	IEC: 320 V/17.5 A UL: 300 V/10 A	D.58			
			BCL SMT	180°	(G)/LFI	IEC: 320 V/17.5 A UL: 300 V/10 A	D.60			

Female plug and header:

(G)* = Closed (without flange)

F = Flange with screw

LFI = Inverted solder flange with nut

LR = Lock & Release lever

Male header and plug:

G = Closed (without flange)

F = Screw flange with nut

LF = Solder flange with nut

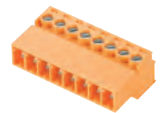
LR = Lock & Release lever

FI = Inverted flange with screw

* not included in the article description

Male header

Male plug



1

2

1

135°

270°

90°

180°

90°

90°

180°

180°

IEC: 320 V/17.5 A
UL: 300 V/10 AIEC: 320 V/17.5 A
UL: 300 V/10 AIEC: 320 V/17.5 A
UL: 300 V/10 AIEC: 320 V/17.5 A
UL: 300 V/10 AIEC: 320 V/17.5 A
UL: 300 V/10 AIEC: 320 V/17.5 A
UL: 300 V/10 AIEC: 320 V/17.5 A
UL: 300 V/10 AIEC: 320 V/17.5 A/
0.2 - 1.5 mm²
UL: 300 V/10 A/
AWG 28 - 16

Solder connection



Screw

SC

SC

SCD

SCD

SCDN

SCDV

SCDV

SCZ

G/F

G/F

G/F

G/F

G/F

G/F

G/F

G/F/FI/LR

D.30

D.32

D.34

D.36

D.38

D.40

D.42



Reflow solder connection

SC-SMT

SC-SMT

SCD-THR

SCD-THR

SCDN-THR

SCDV-THR

SCDV-THR

G/LF

G/F

G/F

G/F

G/F

G/F

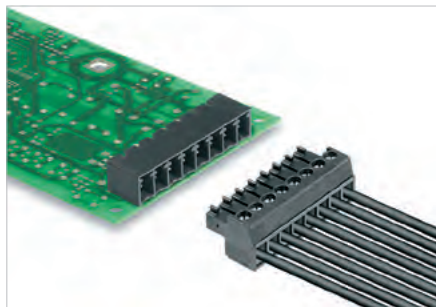
G/F

D.44



Connectors in 3.81 mm pitch
Series BC/SC 3.81

SC-SMT 3.81../90



High-temperature-resistant male header.

- Plugging direction parallel to PCB
- Available in closed (G) and with solder flange (LF).
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17.5	17	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)	B	C	D	
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
CSA (Use Group)	B	C	D	
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 17.5 A

UL: 300 V / 10 A



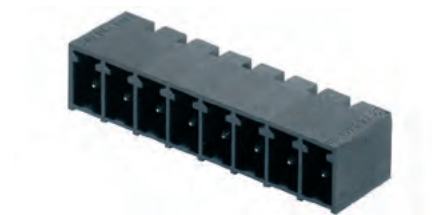
For additional articles and information, refer to catalog.weidmueller.com

Note:

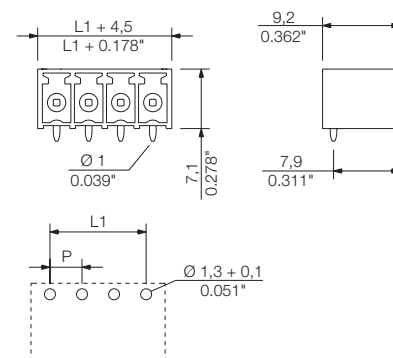
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SC-SMT 3.81../90G Box

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
SC-SMT 3.81 KO GY BX		1968900000

Ordering data

Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1862960000	1862460000
3	7.62	0.300	50	1862970000	1862480000
4	11.43	0.450	50	1862980000	1862490000
5	15.24	0.600	50	1862990000	1862500000
6	19.05	0.750	50	1863000000	1862510000
7	22.86	0.900	50	1863040000	1862520000
8	26.67	1.050	50	1863050000	1862530000
9	30.48	1.200	50	1863060000	1862540000
10	34.29	1.350	50	1863070000	1862550000
11	38.10	1.500	50	1863080000	1862570000
12	41.91	1.650	50	1863090000	1862730000
13	45.72	1.800	50	1863100000	1862740000
14	49.53	1.950	50	1863110000	1862760000
15	53.34	2.100	50	1863120000	1862780000
16	57.15	2.250	50	1863130000	1862800000

3.81

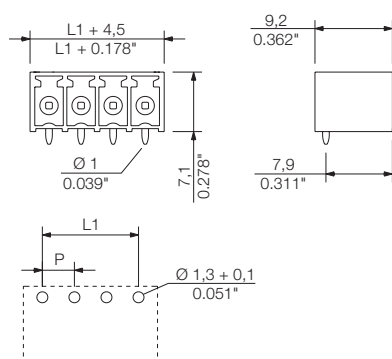
90°

SC-SMT 3.81/./90G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch				3.81 mm	
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	400	1863140000	1862810000
3	7.62	0.300	400	1863150000	1862840000
4	11.43	0.450	400	1863160000	1862860000
5	15.24	0.600	400	1863170000	1862870000
6	19.05	0.750	400	1863180000	1862880000
7	22.86	0.900	400	1863190000	1862890000
8	26.67	1.050	400	1863200000	1862900000
9	30.48	1.200	400	1863210000	1862910000
10	34.29	1.350	400	1863220000	1862930000

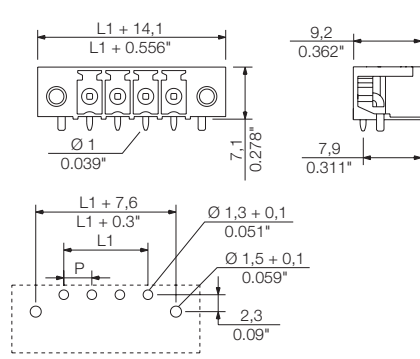
Tape widths: 32, 44, 56, 72, 88

SC-SMT 3.81/./90LF Box

with solder flange



Dimensioned drawing



Ordering data

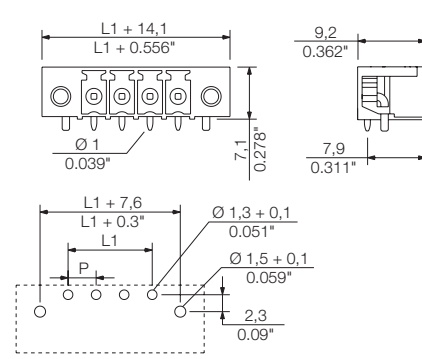
Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1862560000	1863670000
3	7.62	0.300	50	1862580000	1863680000
4	11.43	0.450	50	1862590000	1863690000
5	15.24	0.600	50	1862600000	1863700000
6	19.05	0.750	50	1862610000	1863710000
7	22.86	0.900	50	1862620000	1863740000
8	26.67	1.050	50	1862630000	1863760000
9	30.48	1.200	50	1862640000	1863770000
10	34.29	1.350	50	1862650000	1863790000
11	38.10	1.500	50	1862660000	1863810000
12	41.91	1.650	50	1862670000	1863820000
13	45.72	1.800	50	1862680000	1863840000
14	49.53	1.950	50	1862690000	1863850000
15	53.34	2.100	50	1862700000	1863860000
16	57.15	2.250	50	1862710000	1863870000

SC-SMT 3.81/./90LF Tape

with solder flange; tape-on-reel



Dimensioned drawing



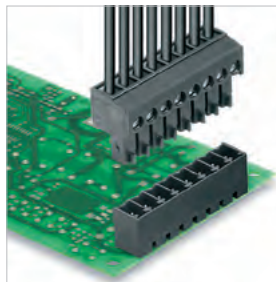
Ordering data

Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	400	1862720000	1863890000
3	7.62	0.300	400	1862750000	1863970000
4	11.43	0.450	400	1862770000	1863980000
5	15.24	0.600	400	1862790000	1863990000
6	19.05	0.750	400	1862820000	1864000000
7	22.86	0.900	400	1862830000	1864010000
8	26.67	1.050	400	1862850000	1864020000

Tape widths: 32, 44, 56, 72, 88

Connectors in 3.81 mm pitch
Series BC/SC 3.81

SC-SMT 3.81../180



High-temperature-resistant male header.

- Plugging direction is perpendicular to PCB
- Available in closed (G) and with solder flange (LF).
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL)
- Pin length of either 1.5 mm or 3.2 mm

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17.5	17	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 17.5 A

UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

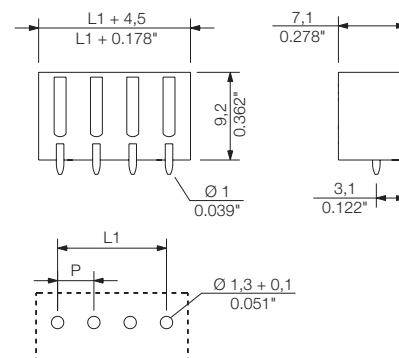
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SC-SMT 3.81../180G Box

closed side



Dimensioned drawing



Ordering data

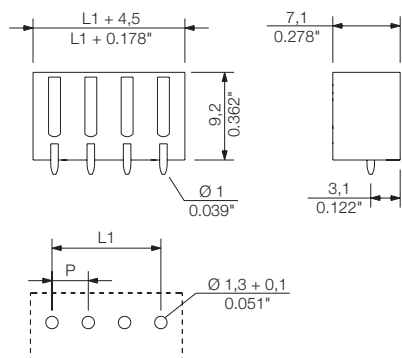
Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1863720000	1862920000
3	7.62	0.300	50	1863730000	1862940000
4	11.43	0.450	50	1863750000	1862950000
5	15.24	0.600	50	1863780000	1863010000
6	19.05	0.750	50	1863830000	1863020000
7	22.86	0.900	50	1863880000	1863030000
8	26.67	1.050	50	1863900000	1863240000
9	30.48	1.200	50	1863910000	1863270000
10	34.29	1.350	50	1863920000	1863290000
11	38.10	1.500	50	1863930000	1863320000
12	41.91	1.650	50	1863940000	1863330000
13	45.72	1.800	50	1863950000	1863350000
14	49.53	1.950	50	1863960000	1863370000
15	53.34	2.100	50	1864030000	1863400000
16	57.15	2.250	50	1864040000	1863420000

SC-SMT 3.81/./180G Tape

closed side; tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm	3.2 mm
Colour		Black	Black
Pitch		3.81 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	3.81 0.150	300	1864050000 1863450000
3	7.62 0.300	300	1864060000 1863470000
4	11.43 0.450	300	1864290000 1863490000
5	15.24 0.600	300	1864300000 1863540000
6	19.05 0.750	300	1864310000 1863560000
7	22.86 0.900	300	1864320000 1863570000
8	26.67 1.050	300	1864330000 1863590000
9	30.48 1.200	300	1864340000 1863630000
10	34.29 1.350	300	1864350000 1863660000

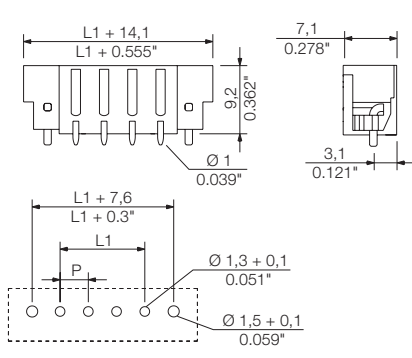
Tape widths: 32, 44, 56, 72, 88

SC-SMT 3.81/./180LF Box

with solder flange



Dimensioned drawing



Ordering data

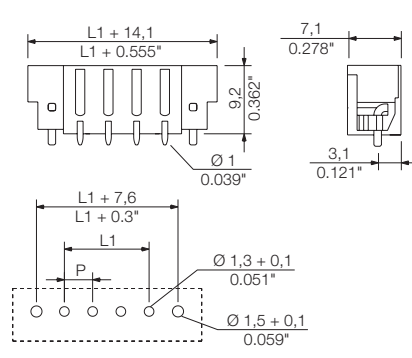
Solder pin length		1.5 mm	3.2 mm
Colour		Black	Black
Pitch		3.81 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	3.81 0.150	50	1864070000 1863230000
3	7.62 0.300	50	1864080000 1863250000
4	11.43 0.450	50	1864090000 1863260000
5	15.24 0.600	50	1864100000 1863280000
6	19.05 0.750	50	1864110000 1863300000
7	22.86 0.900	50	1864120000 1863310000
8	26.67 1.050	50	1864130000 1863340000
9	30.48 1.200	50	1864140000 1863360000
10	34.29 1.350	50	1864150000 1863380000
11	38.10 1.500	50	1864160000 1863390000
12	41.91 1.650	50	1864170000 1863410000
13	45.72 1.800	50	1864180000 1863430000
14	49.53 1.950	50	1864190000 1863440000
15	53.34 2.100	50	1864200000 1863460000
16	57.15 2.250	50	1864210000 1863480000

SC-SMT 3.81/./180LF Tape

with solder flange; tape-on-reel



Dimensioned drawing



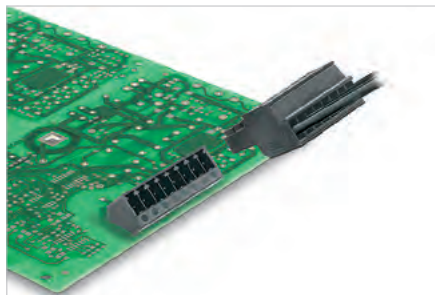
Ordering data

Solder pin length		1.5 mm	3.2 mm
Colour		Black	Black
Pitch		3.81 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	3.81 0.150	300	1864220000 1863500000
3	7.62 0.300	300	1864230000 1863510000
4	11.43 0.450	300	1864240000 1863530000
5	15.24 0.600	300	1864250000 1863580000
6	19.05 0.750	300	1864260000 1863600000
7	22.86 0.900	300	1864270000 1863620000
8	26.67 1.050	300	1864280000 1863640000

Tape widths: 32, 44, 56, 72, 88

Connectors in 3.81 mm pitch
Series BC/SC 3.81

SC-SMT 3.81../135



Male header with 135° plugging angle (135° angle between the plugging direction and the solder pin). This corresponds to a 45° angle between the wire orientation and the circuit board.

- Reflow compatible
- Available in closed (G) and with solder flange (LF).
- Pin length of either 1.5 mm or 3.2 mm

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17.5	17.5	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 17.5 A

UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

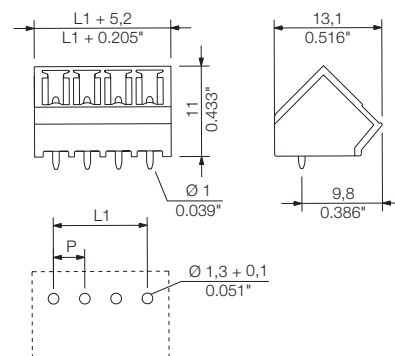
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SC-SMT 3.81../135G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 KO GY BX	1968900000

Ordering data

Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1977930000	1977200000
3	7.62	0.300	50	1977940000	1977210000
4	11.43	0.450	50	1977950000	1977220000
5	15.24	0.600	50	1977960000	1977230000
6	19.05	0.750	50	1977970000	1977240000
7	22.86	0.900	50	1977980000	1977250000
8	26.67	1.050	50	1977990000	1977260000
9	30.48	1.200	50	1978000000	1977700000
10	34.29	1.350	50	1978010000	1977710000
11	38.10	1.500	50	1978020000	1977720000
12	41.91	1.650	50	1978030000	1977730000
13	45.72	1.800	50	1978040000	1977740000
14	49.53	1.950	50	1978050000	1977750000
15	53.34	2.100	50	1978060000	1977760000
16	57.15	2.250	50	1978070000	1977770000

3.81

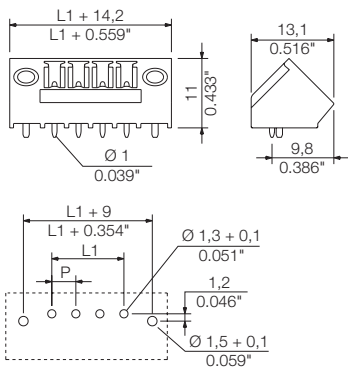
135°

SC-SMT 3.81/././135LF

with solder flange



Dimensioned drawing

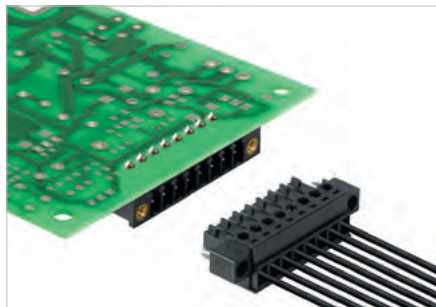


Ordering data

Solder pin length				1.5 mm		3.2 mm	
Colour				Black		Black	
Pitch				3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	3.81	0.150	50	1978380000	1978080000		
3	7.62	0.300	50	1978390000	1978090000		
4	11.43	0.450	50	1978400000	1978100000		
5	15.24	0.600	50	1978410000	1978110000		
6	19.05	0.750	50	1978420000	1978120000		
7	22.86	0.900	50	1978430000	1978130000		
8	26.67	1.050	50	1978440000	1978140000		
9	30.48	1.200	50	1978450000	1978150000		
10	34.29	1.350	50	1978460000	1978160000		
11	38.10	1.500	50	1978470000	1978170000		
12	41.91	1.650	50	1978480000	1978180000		
13	45.72	1.800	50	1978490000	1978190000		
14	49.53	1.950	50	1978500000	1978200000		
15	53.34	2.100	50	1978510000	1978210000		
16	57.15	2.250	50	1978520000	1978220000		

Connectors in 3.81 mm pitch Series BC/SC 3.81

SC-SMT 3.81/./270



High-temperature-resistant male header with 270° plugging angle (the angle between the plugging direction and the solder pin). This angle has a plugging direction that is parallel to the circuit board with female plugs plugged in upside down.

- Reflow compatible
- Available in closed (G) version and with screw flange (F).
- Pin length of either 1.5 mm or 3.2 mm

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17.5	17.5	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

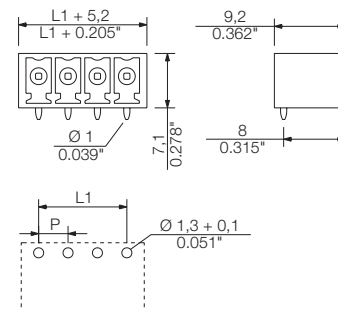
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SC-SMT 3.81/./270G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 KO GY BX	1968900000



Ordering data

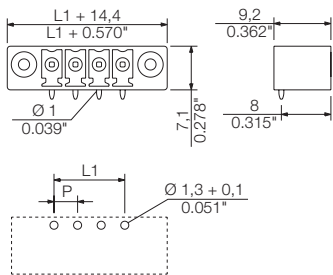
Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1036830000	1036480000
3	7.62	0.300	50	1036840000	1036490000
4	11.43	0.450	50	1036850000	1036510000
5	15.24	0.600	50	1036860000	1036520000
6	19.05	0.750	50	1036870000	1036530000
7	22.86	0.900	50	1036880000	1036540000
8	26.67	1.050	50	1036890000	1036550000
9	30.48	1.200	50	1036910000	1036560000
10	34.29	1.350	50	1036920000	1036570000
11	38.10	1.500	50	1036930000	1036580000
12	41.91	1.650	50	1036940000	1036590000
13	45.72	1.800	50	1036950000	1036610000
14	49.53	1.950	50	1036960000	1036620000
15	53.34	2.100	50	1036970000	1036630000
16	57.15	2.250	50	1036980000	1036640000

SC-SMT 3.81/./270F

with screw flange



Dimensioned drawing



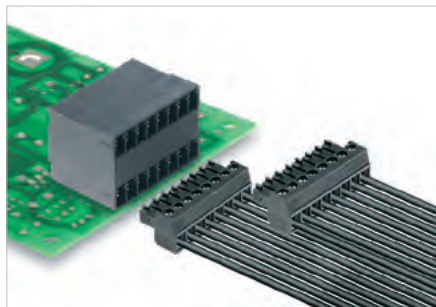
Ordering data

Solder pin length				1.5 mm		3.2 mm	
Colour				Black		Black	
Pitch 3.81 mm							
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	3.81	0.150	50	1037330000	1036990000		
3	7.62	0.300	50	1037340000	1037010000		
4	11.43	0.450	50	1037350000	1037020000		
5	15.24	0.600	50	1037360000	1037030000		
6	19.05	0.750	50	1037370000	1037040000		
7	22.86	0.900	50	1037380000	1037050000		
8	26.67	1.050	50	1037390000	1037060000		
9	30.48	1.200	50	1037400000	1037070000		
10	34.29	1.350	50	1037410000	1037080000		
11	38.10	1.500	50	1037420000	1037090000		
12	41.91	1.650	50	1037440000	1037110000		
13	45.72	1.800	50	1037450000	1037120000		
14	49.53	1.950	50	1037460000	1037130000		
15	53.34	2.100	50	1037470000	1037140000		
16	57.15	2.250	50	1037480000	1037150000		



Connectors in 3.81 mm pitch
Series BC/SC 3.81

SCD-THR 3.81/./90



High-temperature-resistant, double-level male header for reflow soldering.

- Orientation: 90°
- Designed for front panel applications.
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17.5	17	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)	B	C	D	
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
CSA (Use Group)	B	C	D	
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 17.5 A

UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

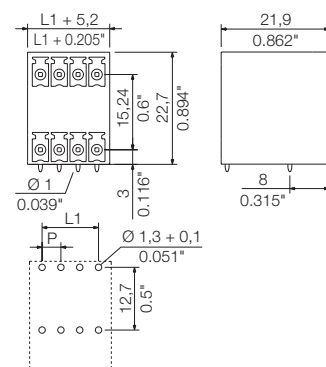
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCD-THR 3.81/./90G

closed side



Dimensioned drawing



Ordering data

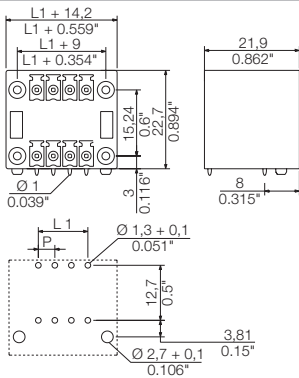
Solder pin length			1.5 mm		3.2 mm	
Colour			Black		Black	
Pitch			3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
4	3.81	0.150	50	1974030000	1973730000	
6	7.62	0.300	50	1974040000	1973740000	
8	11.43	0.450	50	1974050000	1973750000	
10	15.24	0.600	50	1974060000	1973760000	
12	19.05	0.750	50	1974070000	1973770000	
14	22.86	0.900	50	1974080000	1973780000	
16	26.67	1.050	50	1974090000	1973790000	
18	30.48	1.200	50	1974100000	1973800000	
20	34.29	1.350	50	1974110000	1973810000	
22	38.10	1.500	50	1974120000	1973820000	
24	41.91	1.650	50	1974130000	1973830000	
26	45.72	1.800	20	1974140000	1973840000	
28	49.53	1.950	20	1974150000	1973850000	
30	53.34	2.100	20	1974160000	1973860000	
32	57.15	2.250	20	1974170000	1973870000	

SCD-THR 3.81/./90F

with screw flange



Dimensioned drawing

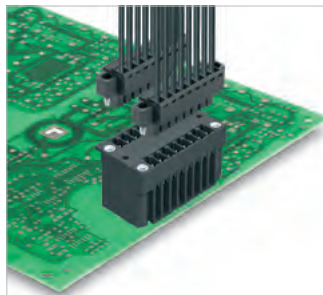


Ordering data

Solder pin length				1.5 mm		3.2 mm	
Colour				Black		Black	
Pitch				3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.		Order No.	
4	3.81	0.150	50	1974830000		1974180000	
6	7.62	0.300	50	1974870000		1974190000	
8	11.43	0.450	50	1974900000		1974200000	
10	15.24	0.600	50	1974920000		1974210000	
12	19.05	0.750	50	1974950000		1974220000	
14	22.86	0.900	50	1974980000		1974230000	
16	26.67	1.050	50	1974990000		1974240000	
18	30.48	1.200	50	1975010000		1974250000	
20	34.29	1.350	50	1975040000		1974290000	
22	38.10	1.500	50	1975090000		1974310000	
24	41.91	1.650	50	1975110000		1974330000	
26	45.72	1.800	20	1975130000		1974350000	
28	49.53	1.950	20	1975140000		1974440000	
30	53.34	2.100	20	1975170000		1974470000	
32	57.15	2.250	20	1975190000		1974490000	

Connectors in 3.81 mm pitch Series BC/SC 3.81

SCD-THR 3.81/./180



High-temperature-resistant, double-level male header for reflow soldering.

- It allows you to use two interfaces on only one surface and with only one step in the work flow.
- Orientation: 180° (recumbent)
- Connections at the same level and with access that is flush over the front board.
- Space for labelling and coding
- Packed in cardboard box.

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17.5	17	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
CSA (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG	-	-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

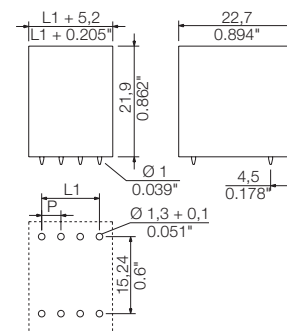
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCD-THR 3.81/./180G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000
Mounting screw	
PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

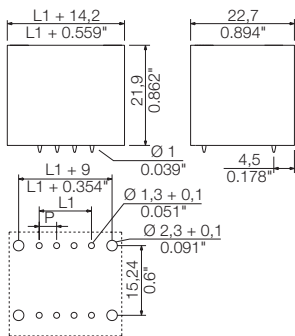
Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	3.81	0.150	50	1031290000	1030950000
6	7.62	0.300	50	1031310000	1030960000
8	11.43	0.450	50	1031320000	1030970000
10	15.24	0.600	50	1031330000	1030980000
12	19.05	0.750	50	1031340000	1030990000
14	22.86	0.900	50	1031350000	1031010000
16	26.67	1.050	50	1031360000	1031020000
18	30.48	1.200	50	1031370000	1031030000
20	34.29	1.350	50	1031380000	1031040000
22	38.10	1.500	50	1031390000	1031050000
24	41.91	1.650	50	1031410000	1031060000
26	45.72	1.800	20	1031420000	1031070000
28	49.53	1.950	20	1031430000	1031080000
30	53.34	2.100	20	1031440000	1031090000
32	57.15	2.250	20	1031450000	1031110000

SCD-THR 3.81../180F

with screw flange



Dimensioned drawing

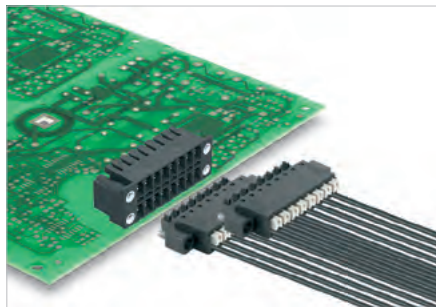


Ordering data

Solder pin length				1.5 mm		3.2 mm	
Colour				Black		Black	
Pitch				3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
4	3.81	0.150	50	1031860000	1031460000		
6	7.62	0.300	50	1031870000	1031470000		
8	11.43	0.450	50	1031890000	1031490000		
10	15.24	0.600	50	1031910000	1031510000		
12	19.05	0.750	50	1031920000	1031520000		
14	22.86	0.900	50	1031930000	1031530000		
16	26.67	1.050	50	1031940000	1031540000		
18	30.48	1.200	50	1031950000	1031560000		
20	34.29	1.350	50	1031960000	1031570000		
22	38.10	1.500	50	1031970000	1031590000		
24	41.91	1.650	50	1031990000	1031610000		
26	45.72	1.800	20	1032040000	1031620000		
28	49.53	1.950	20	1032050000	1031630000		
30	53.34	2.100	20	1032060000	1031640000		
32	57.15	2.250	20	1032070000	1031660000		

Connectors in 3.81 mm pitch Series BC/SC 3.81

SCDN-THR 3.81/..90



Compact double-level male header for reflow soldering process. For use with BCF 3.81 plugs.

- Orientation: 90°
- Designed for front panel applications.
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17.5	17	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)	B	C	D	
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
CSA (Use Group)	B	C	D	
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

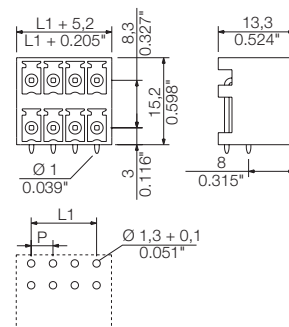
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCDN-THR 3.81/..90G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 KO GY BX	1968900000



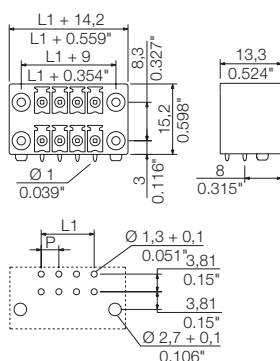
Ordering data

Solder pin length			1.5 mm		3.2 mm	
Colour			Black		Black	
Pitch			3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
4	3.81	0.150	50	1039270000	1038950000	
6	7.62	0.300	50	1039280000	1038960000	
8	11.43	0.450	50	1039290000	1038970000	
10	15.24	0.600	50	1039300000	1038980000	
12	19.05	0.750	50	1039310000	1038990000	
14	22.86	0.900	50	1039320000	1039010000	
16	26.67	1.050	50	1039330000	1039020000	
18	30.48	1.200	50	1039340000	1039030000	
20	34.29	1.350	50	1039350000	1039040000	
22	38.10	1.500	50	1039370000	1039050000	
24	41.91	1.650	50	1039380000	1039060000	
26	45.72	1.800	20	1039390000	1039070000	
28	49.53	1.950	20	1039410000	1039080000	
30	53.34	2.100	20	1039420000	1039090000	
32	57.15	2.250	20	1039430000	1039100000	

with screw flange



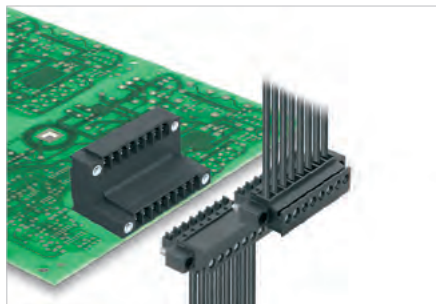
Dimensioned drawing



Soldier pin length		1.5 mm		3.2 mm	
Colour		Black		Black	
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	3.81	0.150	50	1040070000	1039440000
6	7.62	0.300	50	1040090000	1039450000
8	11.43	0.450	50	1040140000	1039460000
10	15.24	0.600	50	1040150000	1039520000
12	19.05	0.750	50	1040170000	1039530000
14	22.86	0.900	50	1040190000	1039540000
16	26.67	1.050	50	1040230000	1039550000
18	30.48	1.200	50	1040250000	1039560000
20	34.29	1.350	50	1040260000	1039570000
22	38.10	1.500	50	1040270000	1039580000
24	41.91	1.650	50	1040280000	1039590000
26	45.72	1.800	20	1040290000	1039610000
28	49.53	1.950	20	1040300000	1039720000
30	53.34	2.100	20	1040380000	1039730000
32	57.15	2.250	20	1040390000	1039740000

Connectors in 3.81 mm pitch Series BC/SC 3.81

SCDV-THR 3.81/..../90



High-temperature-resistant, double-level male header for reflow soldering.

- Orientation: 90°
- Connections at two offset levels and open access to each row.
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17.5	17	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
CSA (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

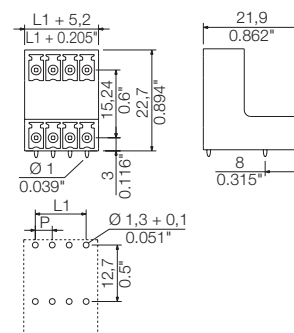
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCDV-THR 3.81/..../90G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 KO GY BX	1968900000



Ordering data

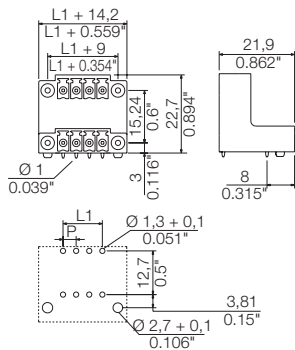
Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	3.81	0.150	50	1033820000	1033490000
6	7.62	0.300	50	1033830000	1033510000
8	11.43	0.450	50	1033840000	1033520000
10	15.24	0.600	50	1033850000	1033530000
12	19.05	0.750	50	1033860000	1033540000
14	22.86	0.900	50	1033870000	1033550000
16	26.67	1.050	50	1033880000	1033560000
18	30.48	1.200	50	1033890000	1033570000
20	34.29	1.350	50	1033900000	1033580000
22	38.10	1.500	50	1033910000	1033590000
24	41.91	1.650	50	1033920000	1033600000
26	45.72	1.800	20	1033930000	1033610000
28	49.53	1.950	20	1033940000	1033620000
30	53.34	2.100	20	1033950000	1033630000
32	57.15	2.250	20	1033960000	1033640000

SCDV-THR 3.81/././90F

with screw flange



Dimensioned drawing

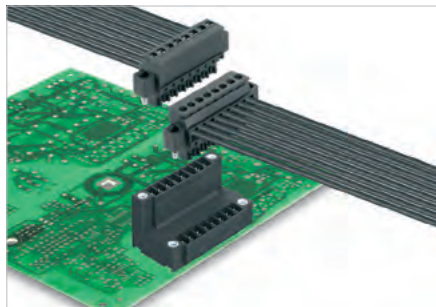


Ordering data

Solder pin length				1.5 mm		3.2 mm	
Colour				Black		Black	
Pitch 3.81 mm							
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
4	3.81	0.150	50	1034310000	1033970000		
6	7.62	0.300	50	1034320000	1033980000		
8	11.43	0.450	50	1034330000	1033990000		
10	15.24	0.600	50	1034340000	1034010000		
12	19.05	0.750	50	1034350000	1034020000		
14	22.86	0.900	50	1034360000	1034030000		
16	26.67	1.050	50	1034370000	1034040000		
18	30.48	1.200	50	1034380000	1034050000		
20	34.29	1.350	50	1034390000	1034060000		
22	38.10	1.500	50	1034410000	1034070000		
24	41.91	1.650	50	1034420000	1034080000		
26	45.72	1.800	20	1034430000	1034090000		
28	49.53	1.950	20	1034440000	1034110000		
30	53.34	2.100	20	1034450000	1034120000		
32	57.15	2.250	20	1034460000	1034130000		

Connectors in 3.81 mm pitch Series BC/SC 3.81

SCDV-THR 3.81/./180



High-temperature-resistant, double-level male header for reflow soldering.

- Orientation: 180°
- Connections at two offset levels and open access to each row.
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17.5	17	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
CSA (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

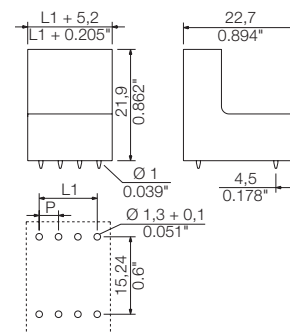
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCDV-THR 3.81/./180G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000
Mounting screw	
PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

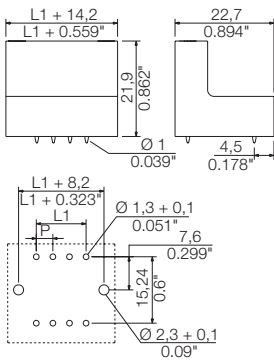
Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	3.81	0.150	50	1035790000	1035470000
6	7.62	0.300	50	1035800000	1035480000
8	11.43	0.450	50	1035810000	1035490000
10	15.24	0.600	50	1035820000	1035510000
12	19.05	0.750	50	1035830000	1035520000
14	22.86	0.900	50	1035840000	1035530000
16	26.67	1.050	50	1035850000	1035540000
18	30.48	1.200	50	1035860000	1035550000
20	34.29	1.350	50	1035870000	1035560000
22	38.10	1.500	50	1035880000	1035570000
24	41.91	1.650	50	1035890000	1035580000
26	45.72	1.800	20	1035910000	1035590000
28	49.53	1.950	20	1035920000	1035610000
30	53.34	2.100	20	1035930000	1035620000
32	57.15	2.250	20	1035940000	1035630000

SCDV-THR 3.81/././180F

with screw flange



Dimensioned drawing

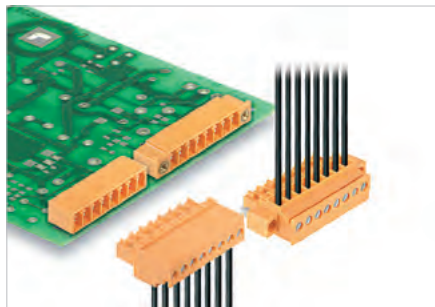


Ordering data

Solder pin length				1.5 mm		3.2 mm	
Colour				Black		Black	
Pitch				3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
4	3.81	0.150	50	1036320000	1035950000		
6	7.62	0.300	50	1036330000	1035960000		
8	11.43	0.450	50	1036340000	1035970000		
10	15.24	0.600	50	1036350000	1035980000		
12	19.05	0.750	50	1036360000	1035990000		
14	22.86	0.900	50	1036370000	1036010000		
16	26.67	1.050	50	1036380000	1036020000		
18	30.48	1.200	50	1036390000	1036030000		
20	34.29	1.350	50	1036410000	1036040000		
22	38.10	1.500	50	1036420000	1036050000		
24	41.91	1.650	50	1036430000	1036060000		
26	45.72	1.800	20	1036440000	1036070000		
28	49.53	1.950	20	1036450000	1036080000		
30	53.34	2.100	20	1036460000	1036090000		
32	57.15	2.250	20	1036470000	1036110000		

Connectors in 3.81 mm pitch
Series BC/SC 3.81

SC 3.81/./90



Male header with plugging direction in parallel to the circuit board.

- Available in closed (G) version and with screw flange (F)

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors. They support a flood-light display and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A

UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

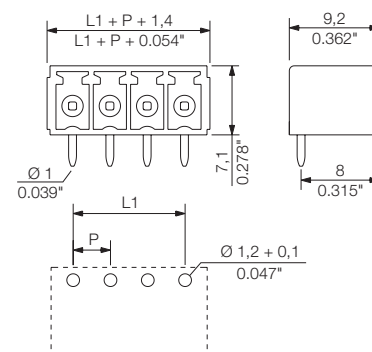
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SC 3.81/./90G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17.5	17.5	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000
LED light guide	
SC 3.81 FLA 1.5/14.25	1979730000
SC 3.81 FLA 1.5/16	1979720000
SC 3.81 FLA 2.3/14.25	1979750000
SC 3.81 FLA 2.3/16	1979740000

Ordering data

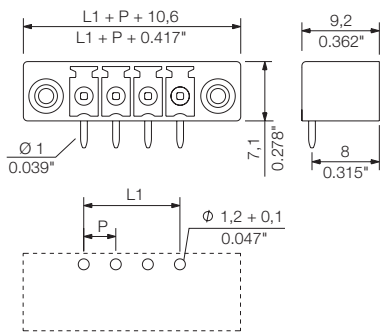
Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1942020000	1793130000
3	7.62	0.300	50	1942040000	1793140000
4	11.43	0.450	50	1942070000	1793150000
5	15.24	0.600	50	1942090000	1793160000
6	19.05	0.750	50	1942100000	1793170000
7	22.86	0.900	50	1942120000	1942350000
8	26.67	1.050	50	1942130000	1793180000
9	30.48	1.200	50	1942140000	1942360000
10	34.29	1.350	50	1942150000	1793190000
11	38.10	1.500	50	1942160000	1942370000
12	41.91	1.650	50	1942170000	1793200000
13	45.72	1.800	50	1942180000	1942380000
14	49.53	1.950	50	1942190000	1942390000
15	53.34	2.100	50	1942200000	1942400000
16	57.15	2.250	50	1942210000	1793210000
17	60.96	2.400	50	1942220000	1942410000
18	64.77	2.550	50	1942230000	1942420000
19	68.58	2.700	50	1942240000	1942430000
20	72.39	2.850	50	1942250000	1942440000

SC 3.81/..../90F

with screw flange



Dimensioned drawing

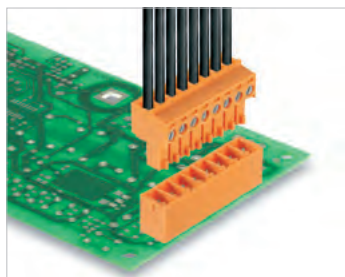


Ordering data

Solder pin length				3.2 mm		3.2 mm	
Colour				Orange		Black	
Pitch				3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	3.81	0.150	50	1942450000	1793330000		
3	7.62	0.300	50	1942460000	1793340000		
4	11.43	0.450	50	1942470000	1793350000		
5	15.24	0.600	50	1942480000	1793360000		
6	19.05	0.750	50	1942490000	1793370000		
7	22.86	0.900	50	1942500000	1942740000		
8	26.67	1.050	50	1942510000	1793380000		
9	30.48	1.200	50	1942520000	1942750000		
10	34.29	1.350	50	1942530000	1793390000		
11	38.10	1.500	50	1942540000	1942760000		
12	41.91	1.650	50	1942550000	1793400000		
13	45.72	1.800	50	1942560000	1942770000		
14	49.53	1.950	50	1942570000	1942780000		
15	53.34	2.100	50	1942580000	1942790000		
16	57.15	2.250	50	1942590000	1793410000		
17	60.96	2.400	50	1942600000	1942800000		
18	64.77	2.550	50	1942610000	1942810000		
19	68.58	2.700	50	1942620000	1942820000		
20	72.39	2.850	50	1942630000	1942830000		

Connectors in 3.81 mm pitch Series BC/SC 3.81

SC 3.81/././180



The 180° male header has a perpendicular plugging direction in relation to the circuit board. It is available in closed (G) and screw flange (F) versions.

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17.5	17.5	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

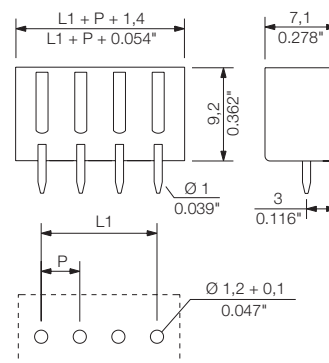
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SC 3.81/././180G

closed side



Dimensioned drawing



Ordering data

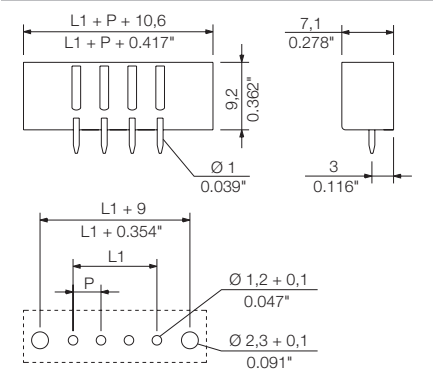
Solder pin length		3.2 mm	3.2 mm
Colour		Orange	Black
Pitch		3.81 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	3.81	50	1942840000
3	7.62	50	1942850000
4	11.43	50	1942860000
5	15.24	50	1942870000
6	19.05	50	1942880000
7	22.86	50	1942890000
8	26.67	50	1942900000
9	30.48	50	1942910000
10	34.29	50	1942920000
11	38.10	50	1942930000
12	41.91	50	1942940000
13	45.72	50	1942950000
14	49.53	50	1942960000
15	53.34	50	1942970000
16	57.15	50	1942980000
17	60.96	50	1942990000
18	64.77	50	1943000000
19	68.58	50	1943010000
20	72.39	50	1943020000

SC 3.81/././180F

with screw flange



Dimensioned drawing

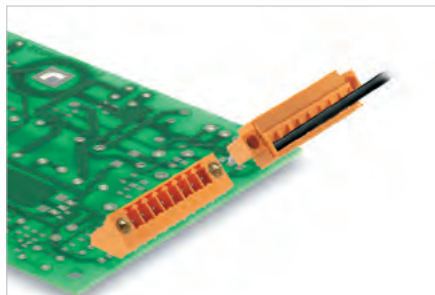


Ordering data

Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch				3.81 mm	
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1943180000	1793700000
3	7.62	0.300	50	1943190000	1793710000
4	11.43	0.450	50	1943200000	1793720000
5	15.24	0.600	50	1943210000	1793730000
6	19.05	0.750	50	1943220000	1793740000
7	22.86	0.900	50	1943230000	1837010000
8	26.67	1.050	50	1943240000	1793750000
9	30.48	1.200	50	1943250000	1943470000
10	34.29	1.350	50	1943260000	1793760000
11	38.10	1.500	50	1943270000	1943480000
12	41.91	1.650	50	1943280000	1793770000
13	45.72	1.800	50	1943290000	1943490000
14	49.53	1.950	50	1943300000	1943500000
15	53.34	2.100	50	1943310000	1943510000
16	57.15	2.250	50	1943320000	1793780000
17	60.96	2.400	50	1943330000	1943520000
18	64.77	2.550	50	1943340000	1943530000
19	68.58	2.700	50	1943350000	1943540000
20	72.39	2.850	50	1943360000	1943550000

Connectors in 3.81 mm pitch
Series BC/SC 3.81

SC 3.81/./135



Male header with 135° plugging angle – (135° angle between the plugging direction and the solder pin). This corresponds to a 45° angle between the wire outlet and the circuit board.

- Available in Closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A

UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

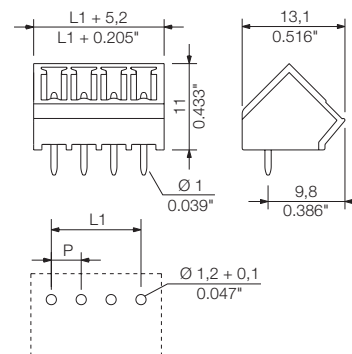
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SC 3.81/./135G

closed side



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17.5	17.5	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG			
CSA (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG			-
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	SC-SMT 3.81 KO GY BX	1968900000

Ordering data

Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1975720000	1976380000
3	7.62	0.300	50	1975770000	1976400000
4	11.43	0.450	50	1975800000	1976420000
5	15.24	0.600	50	1975810000	1976450000
6	19.05	0.750	50	1975880000	1976460000
7	22.86	0.900	50	1975900000	1976510000
8	26.67	1.050	50	1975920000	1976540000
9	30.48	1.200	50	1975930000	1976560000
10	34.29	1.350	50	1975940000	1976600000
11	38.10	1.500	50	1975950000	1976630000
12	41.91	1.650	50	1975960000	1976660000
13	45.72	1.800	50	1975970000	1976700000
14	49.53	1.950	50	1975980000	1976710000
15	53.34	2.100	50	1975990000	1976720000
16	57.15	2.250	50	1976000000	1976730000

3.81

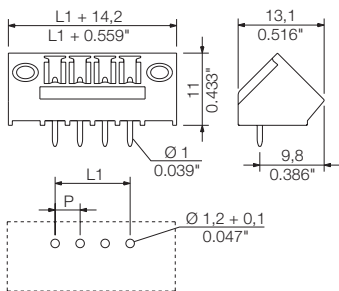
135°

SC 3.81/././135F

with screw flange



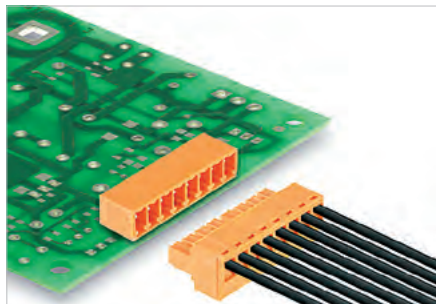
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch				3.81 mm	
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1976740000	1977040000
3	7.62	0.300	50	1976750000	1977050000
4	11.43	0.450	50	1976760000	1977060000
5	15.24	0.600	50	1976770000	1977070000
6	19.05	0.750	50	1976780000	1977080000
7	22.86	0.900	50	1976790000	1977090000
8	26.67	1.050	50	1976800000	1977100000
9	30.48	1.200	50	1976810000	1977110000
10	34.29	1.350	50	1976820000	1977120000
11	38.10	1.500	50	1976830000	1977130000
12	41.91	1.650	50	1976840000	1977140000
13	45.72	1.800	50	1976850000	1977150000
14	49.53	1.950	50	1976860000	1977160000
15	53.34	2.100	50	1976870000	1977170000
16	57.15	2.250	50	1976880000	1977180000

SC 3.81../270



Male header with 270° plugging angle (270° angle between the plugging direction and the solder pin). This angle has a plugging direction that is parallel to the circuit board with female plugs plugged in upside down.

- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17.5	17.5	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)	B	C	D	
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
CSA (Use Group)	B	C	D	
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 17.5 A

UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

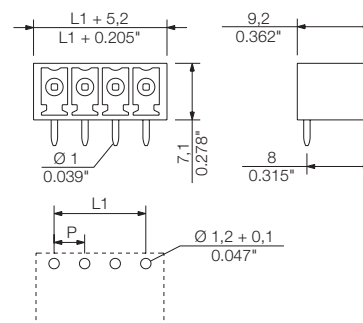
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SC 3.81../270G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

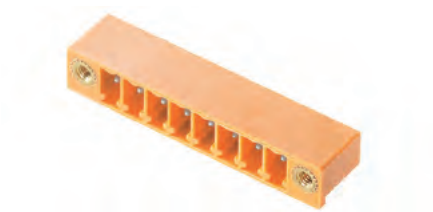
Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000

Ordering data

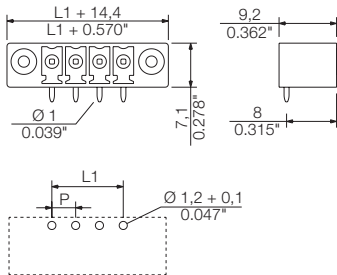
Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1037490000	1037870000
3	7.62	0.300	50	1037510000	1037880000
4	11.43	0.450	50	1037520000	1037890000
5	15.24	0.600	50	1037530000	1037910000
6	19.05	0.750	50	1037540000	1037920000
7	22.86	0.900	50	1037550000	1037930000
8	26.67	1.050	50	1037560000	1037940000
9	30.48	1.200	50	1037570000	1037950000
10	34.29	1.350	50	1037580000	1037960000
11	38.10	1.500	50	1037590000	1037970000
12	41.91	1.650	50	1037610000	1037980000
13	45.72	1.800	50	1037620000	1037990000
14	49.53	1.950	50	1037630000	1038010000
15	53.34	2.100	50	1037640000	1038020000
16	57.15	2.250	50	1037650000	1038030000

SC 3.81/..../270F

with screw flange



Dimensioned drawing

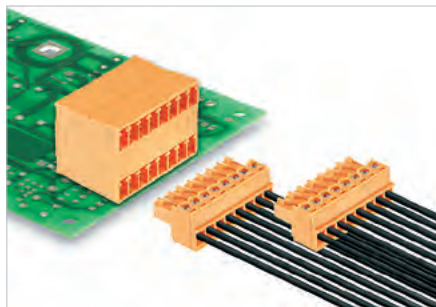


Ordering data

Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1038040000	1038410000
3	7.62	0.300	50	1038050000	1038420000
4	11.43	0.450	50	1038060000	1038430000
5	15.24	0.600	50	1038070000	1038440000
6	19.05	0.750	50	1038080000	1038450000
7	22.86	0.900	50	1038090000	1038460000
8	26.67	1.050	50	1038110000	1038470000
9	30.48	1.200	50	1038130000	1038480000
10	34.29	1.350	50	1038140000	1038490000
11	38.10	1.500	50	1038150000	1038510000
12	41.91	1.650	50	1038160000	1038520000
13	45.72	1.800	50	1038170000	1038530000
14	49.53	1.950	50	1038180000	1038540000
15	53.34	2.100	50	1038190000	1038550000
16	57.15	2.250	50	1038210000	1038560000

Connectors in 3.81 mm pitch
Series BC/SC 3.81

SCD 3.81/..../90



Double-level male header for wave soldering.

- Orientation: 90°
- Connections at the same level with access that is flush over the front of the board.
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17.5	17	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)	B	C	D	
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
CSA (Use Group)	B	C	D	
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 17.5 A

UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

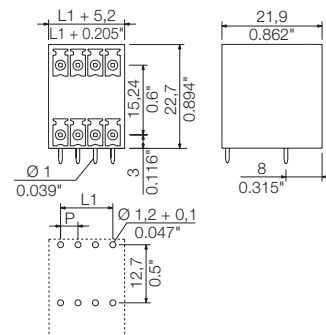
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCD 3.81/..../90G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000

Ordering data

Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	3.81	0.150	50	1972790000	1973100000
6	7.62	0.300	50	1972800000	1973110000
8	11.43	0.450	50	1972810000	1973120000
10	15.24	0.600	50	1972820000	1973130000
12	19.05	0.750	50	1972830000	1973140000
14	22.86	0.900	50	1972840000	1973150000
16	26.67	1.050	50	1972850000	1973160000
18	30.48	1.200	50	1972860000	1973170000
20	34.29	1.350	50	1972870000	1973180000
22	38.10	1.500	50	1972880000	1973200000
24	41.91	1.650	50	1972890000	1973210000
26	45.72	1.800	20	1972900000	1973220000
28	49.53	1.950	20	1972910000	1973230000
30	53.34	2.100	20	1972920000	1973240000
32	57.15	2.250	20	1972930000	1973250000

3.81

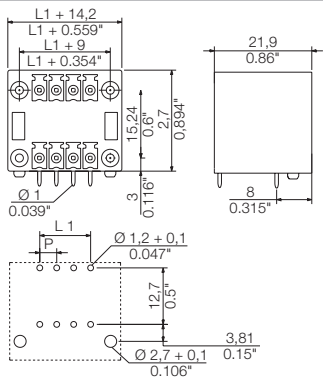
90°

SCD 3.81/..../90F

with screw flange



Dimensioned drawing

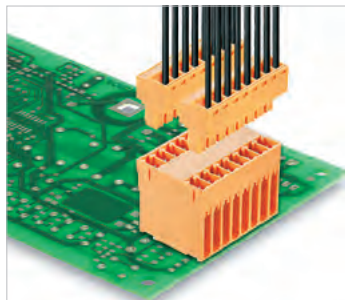


Ordering data

Solder pin length		3.2 mm		3.2 mm	
Colour		Orange		Black	
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	3.81	0.150	50	1973260000	1973580000
6	7.62	0.300	50	1973270000	1973590000
8	11.43	0.450	50	1973280000	1973600000
10	15.24	0.600	50	1973290000	1973610000
12	19.05	0.750	50	1973300000	1973620000
14	22.86	0.900	50	1973310000	1973630000
16	26.67	1.050	50	1973320000	1973640000
18	30.48	1.200	50	1973330000	1973650000
20	34.29	1.350	50	1973340000	1973660000
22	38.10	1.500	50	1973350000	1973670000
24	41.91	1.650	50	1973360000	1973680000
26	45.72	1.800	20	1973370000	1973690000
28	49.53	1.950	20	1973380000	1973700000
30	53.34	2.100	20	1973390000	1973710000
32	57.15	2.250	20	1973400000	1973720000

Connectors in 3.81 mm pitch Series BC/SC 3.81

SCD 3.81/././180



Double-level male header for wave soldering.

- Orientation: 180°
- Available in closed (G) version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17.5	17	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
CSA (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG	-	-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

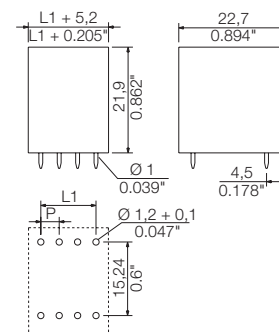
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCD 3.81/././180G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

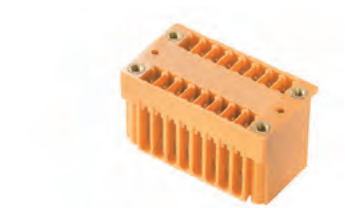
Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000
Mounting screw	
PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

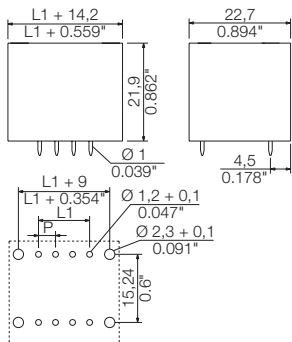
Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	3.81	0.150	50	1029920000	1030260000
6	7.62	0.300	50	1029940000	1030270000
8	11.43	0.450	50	1029950000	1030280000
10	15.24	0.600	50	1029960000	1030290000
12	19.05	0.750	50	1029970000	1030310000
14	22.86	0.900	50	1029980000	1030320000
16	26.67	1.050	50	1029990000	1030340000
18	30.48	1.200	50	1030010000	1030350000
20	34.29	1.350	50	1030020000	1030360000
22	38.10	1.500	50	1030030000	1030370000
24	41.91	1.650	50	1030040000	1030380000
26	45.72	1.800	20	1030050000	1030390000
28	49.53	1.950	20	1030060000	1030410000
30	53.34	2.100	20	1030070000	1030420000
32	57.15	2.250	20	1030080000	1030430000

SCD 3.81/..../180F

with screw flange



Dimensioned drawing

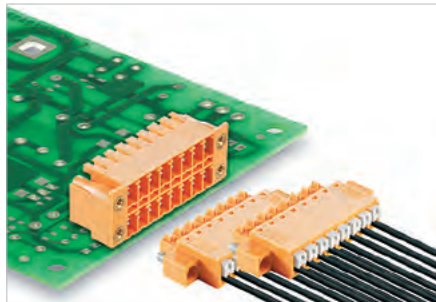


Ordering data

Solder pin length				3.2 mm		3.2 mm	
Colour				Orange		Black	
Pitch				3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.		Order No.	
4	3.81	0.150	50	1030440000		1030780000	
6	7.62	0.300	50	1030450000		1030790000	
8	11.43	0.450	50	1030460000		1030810000	
10	15.24	0.600	50	1030470000		1030820000	
12	19.05	0.750	50	1030480000		1030830000	
14	22.86	0.900	50	1030490000		1030840000	
16	26.67	1.050	50	1030510000		1030850000	
18	30.48	1.200	50	1030520000		1030860000	
20	34.29	1.350	50	1030530000		1030870000	
22	38.10	1.500	50	1030540000		1030880000	
24	41.91	1.650	50	1030550000		1030890000	
26	45.72	1.800	20	1030560000		1030910000	
28	49.53	1.950	20	1030570000		1030920000	
30	53.34	2.100	20	1030580000		1030930000	
32	57.15	2.250	20	1030590000		1030940000	

Connectors in 3.81 mm pitch Series BC/SC 3.81

SCDN 3.81../90



Compact double-level male header for wave soldering.

- For use with BCF 3.81 (PUSH IN) plugs.
- Orientation: 90°
- Designed for front panel applications.
- Available in closed (G) version or with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17.5	17	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
CSA (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 17.5 A

UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

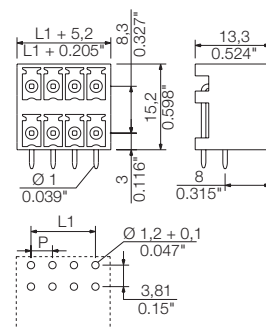
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCDN 3.81../90G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

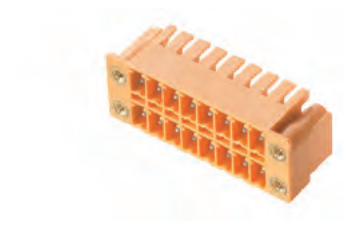
Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000

Ordering data

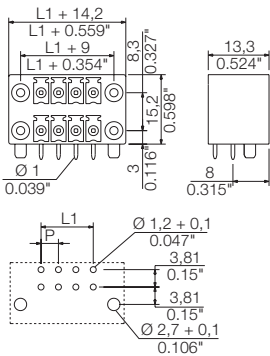
Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	3.81	0.150	50	1040410000	1040790000
6	7.62	0.300	50	1040420000	1040810000
8	11.43	0.450	50	1040430000	1040820000
10	15.24	0.600	50	1040440000	1040830000
12	19.05	0.750	50	1040450000	1040840000
14	22.86	0.900	50	1040460000	1040850000
16	26.67	1.050	50	1040470000	1040860000
18	30.48	1.200	50	1040490000	1040870000
20	34.29	1.350	50	1040510000	1040890000
22	38.10	1.500	50	1040520000	1040900000
24	41.91	1.650	50	1040530000	1040910000
26	45.72	1.800	20	1040540000	1040920000
28	49.53	1.950	20	1040550000	1040930000
30	53.34	2.100	20	1040560000	1040940000
32	57.15	2.250	20	1040570000	1040950000

SCDN 3.81/.../90F

with screw flange



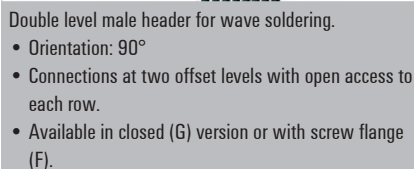
Dimensioned drawing



Ordering data

Solder pin length				3.2 mm		3.2 mm	
Colour				Orange		Black	
Pitch				3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
4	3.81	0.150	50	1040960000	1041290000		
6	7.62	0.300	50	1040970000	1041310000		
8	11.43	0.450	50	1040980000	1041320000		
10	15.24	0.600	50	1040990000	1041330000		
12	19.05	0.750	50	1041000000	1041340000		
14	22.86	0.900	50	1041010000	1041350000		
16	26.67	1.050	50	1041020000	1041360000		
18	30.48	1.200	50	1041030000	1041370000		
20	34.29	1.350	50	1041040000	1041380000		
22	38.10	1.500	50	1041050000	1041390000		
24	41.91	1.650	50	1041060000	1041430000		
26	45.72	1.800	20	1041070000	1041450000		
28	49.53	1.950	20	1041080000	1041460000		
30	53.34	2.100	20	1041090000	1041470000		
32	57.15	2.250	20	1041110000	1041480000		

D



Technical data

3.81

90°

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

Note: Refer to the Accessories chapter for additional accessories

closed side



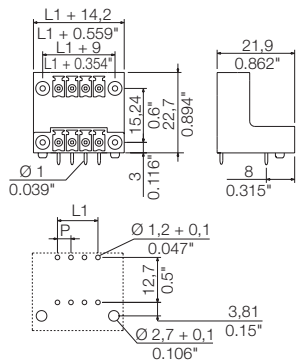
Soldier pin length			3.2 mm		3.2 mm	
Colour			Orange		Black	
Pitch			3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
4	3.81	0.150	50	1032090000	1032430000	
6	7.62	0.300	50	1032110000	1032440000	
8	11.43	0.450	50	1032120000	1032450000	
10	15.24	0.600	50	1032130000	1032460000	
12	19.05	0.750	50	1032140000	1032470000	
14	22.86	0.900	50	1032150000	1032480000	
16	26.67	1.050	50	1032160000	1032490000	
18	30.48	1.200	50	1032170000	1032500000	
20	34.29	1.350	50	1032190000	1032510000	
22	38.10	1.500	50	1032200000	1032520000	
24	41.91	1.650	50	1032210000	1032530000	
26	45.72	1.800	20	1032220000	1032540000	
28	49.53	1.950	20	1032230000	1032550000	
30	53.34	2.100	20	1032240000	1032560000	
32	57.15	2.250	20	1032250000	1032570000	

SCDV 3.81/..../90F

with screw flange



Dimensioned drawing

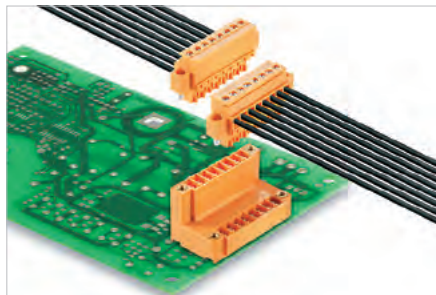


Ordering data

Solder pin length				3.2 mm		3.2 mm	
Colour				Orange		Black	
Pitch				3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
4	3.81	0.150	50	1032580000	1032920000		
6	7.62	0.300	50	1032590000	1032930000		
8	11.43	0.450	50	1032600000	1032940000		
10	15.24	0.600	50	1032610000	1032950000		
12	19.05	0.750	50	1032620000	1032960000		
14	22.86	0.900	50	1032630000	1032970000		
16	26.67	1.050	50	1032640000	1032990000		
18	30.48	1.200	50	1032650000	1033010000		
20	34.29	1.350	50	1032660000	1033020000		
22	38.10	1.500	50	1032670000	1033030000		
24	41.91	1.650	50	1032680000	1033040000		
26	45.72	1.800	20	1032690000	1033050000		
28	49.53	1.950	20	1032710000	1033060000		
30	53.34	2.100	20	1032720000	1033070000		
32	57.15	2.250	20	1032730000	1033090000		

Connectors in 3.81 mm pitch Series BC/SC 3.81

SCDV 3.81../180



Double-level male header for wave soldering.

- Orientation: 180°.
- Connections at two offset levels with open access to each row.
- Available in closed (G) version or with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17.5	17	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	160	160	320
Rated impulse voltage	kV	2.5	2.5	2.5
UL / CUL (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
CSA (Use Group)	B	C	D	
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG	-	-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.0, Octagonal		
Solder eyelet Ø = D	mm	1.2		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 17.5 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

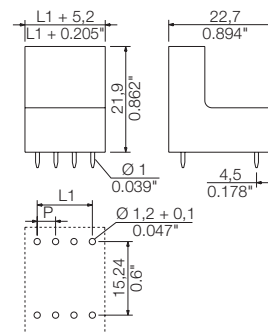
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- P on drawing = pitch

SCDV 3.81../180G

closed side



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000
Mounting screw	
PTSC KA 2.2X4.5 WN1412	1610740000

Ordering data

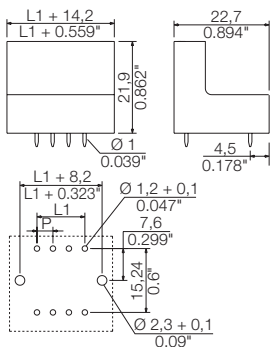
Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	3.81	0.150	50	1034470000	1034820000
6	7.62	0.300	50	1034490000	1034830000
8	11.43	0.450	50	1034510000	1034840000
10	15.24	0.600	50	1034520000	1034850000
12	19.05	0.750	50	1034530000	1034860000
14	22.86	0.900	50	1034540000	1034870000
16	26.67	1.050	50	1034550000	1034880000
18	30.48	1.200	50	1034560000	1034890000
20	34.29	1.350	50	1034570000	1034910000
22	38.10	1.500	50	1034580000	1034920000
24	41.91	1.650	50	1034590000	1034930000
26	45.72	1.800	20	1034610000	1034940000
28	49.53	1.950	20	1034620000	1034950000
30	53.34	2.100	20	1034630000	1034960000
32	57.15	2.250	20	1034640000	1034970000

SCDV 3.81/.. /180F

with screw flange



Dimensioned drawing



Ordering data

Solder pin length				3.2 mm		3.2 mm	
Colour				Orange		Black	
Pitch				3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
4	3.81	0.150	50	1034980000	1035310000		
6	7.62	0.300	50	1034990000	1035320000		
8	11.43	0.450	50	1035010000	1035330000		
10	15.24	0.600	50	1035020000	1035340000		
12	19.05	0.750	50	1035030000	1035350000		
14	22.86	0.900	50	1035040000	1035360000		
16	26.67	1.050	50	1035050000	1035370000		
18	30.48	1.200	50	1035060000	1035380000		
20	34.29	1.350	50	1035070000	1035390000		
22	38.10	1.500	50	1035080000	1035410000		
24	41.91	1.650	50	1035090000	1035420000		
26	45.72	1.800	20	1035110000	1035430000		
28	49.53	1.950	20	1035120000	1035440000		
30	53.34	2.100	20	1035130000	1035450000		
32	57.15	2.250	20	1035140000	1035460000		

Connectors in 3.81 mm pitch Series BC/SC 3.81

SCZ 3.81../180



Inverted male plug with screw connection:

- Wire-to-wire connection with the BCZ female plug
- Board-to-wire connection with the BCL-SMT female header.
- Available in closed (G) version, screw flange (F), inverted flange (FI) and with lock and release lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 16



For additional articles and information, refer to
catalog.weidmueller.com

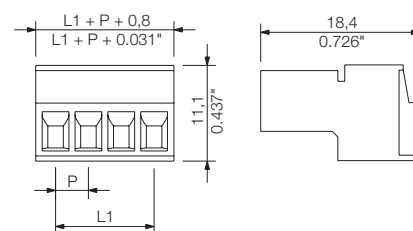
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SCZ 3.81../180G



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...1.5	
Solid core H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.2...1.5	
Ferrule with plastic collar	mm ²	0.2...1.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.4 x 2.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.2...0.25	
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-16	
CSA (Use Group)	B C D		
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-16	
General data			
Type of insulation material		PA GF	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

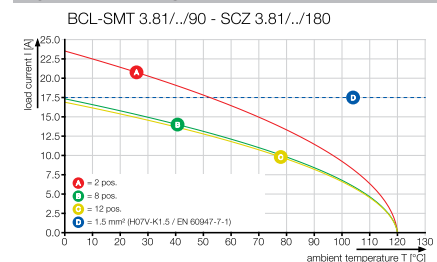
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
SC-SMT 3.81 KO GY BX		1968900000
Screwdriver		
SDIS 0.4X2.5X75		9008370000
SDS 0.4X2.5X75		9009030000

Ordering data

Solder pin length						
Colour				Orange	Black	
Pitch 3.81 mm						
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	3.81	0.150	50	1969520000	1970010000	
3	7.62	0.300	50	1969540000	1970020000	
4	11.43	0.450	50	1969560000	1970030000	
5	15.24	0.600	50	1969570000	1970050000	
6	19.05	0.750	50	1969580000	1970060000	
7	22.86	0.900	50	1969590000	1970070000	
8	26.67	1.050	50	1969610000	1970080000	
9	30.48	1.200	50	1969630000	1970090000	
10	34.29	1.350	50	1969640000	1970100000	
11	38.10	1.500	50	1969660000	1970110000	
12	41.91	1.650	50	1969670000	1970120000	

Representative deratings curve

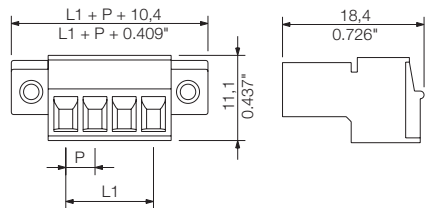


SCZ 3.81/./180F

with screw flange



Dimensioned drawing



Ordering data

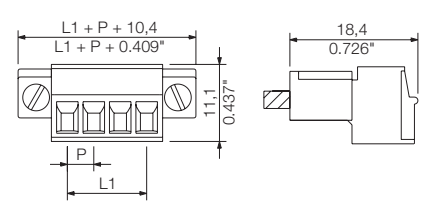
Solder pin length					
Colour				Orange	Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1970910000	1971290000
3	7.62	0.300	50	1970920000	1971310000
4	11.43	0.450	50	1970930000	1971320000
5	15.24	0.600	50	1970940000	1971340000
6	19.05	0.750	50	1970960000	1971350000
7	22.86	0.900	50	1970970000	1971360000
8	26.67	1.050	50	1970980000	1971370000
9	30.48	1.200	50	1970990000	1971400000
10	34.29	1.350	50	1971000000	1971410000
11	38.10	1.500	50	1971010000	1971510000
12	41.91	1.650	50	1971020000	1971520000

SCZ 3.81/./180FI

with inverted flange



Dimensioned drawing



Ordering data

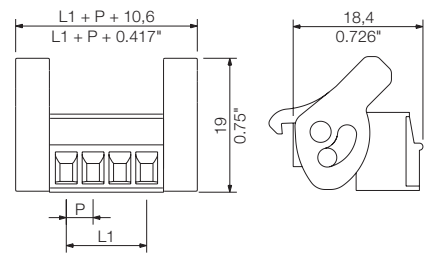
Solder pin length					
Colour			Orange		Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1970260000	1970700000
3	7.62	0.300	50	1970270000	1970710000
4	11.43	0.450	50	1970310000	1970720000
5	15.24	0.600	50	1970320000	1970740000
6	19.05	0.750	50	1970340000	1970760000
7	22.86	0.900	50	1970350000	1970770000
8	26.67	1.050	50	1970360000	1970780000
9	30.48	1.200	50	1970390000	1970790000
10	34.29	1.350	50	1970410000	1970800000
11	38.10	1.500	50	1970420000	1970810000
12	41.91	1.650	50	1970430000	1970830000

SCZ 3.81/./180LR

with release latch



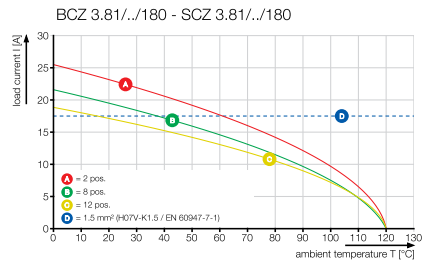
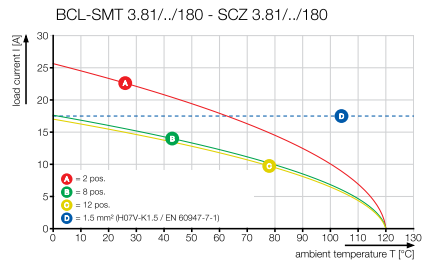
Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1971580000	1971980000
3	7.62	0.300	50	1971600000	1971990000
4	11.43	0.450	50	1971610000	1972010000
5	15.24	0.600	50	1971630000	1972020000
6	19.05	0.750	50	1971640000	1972040000
7	22.86	0.900	50	1971660000	1972050000
8	26.67	1.050	50	1971670000	1972060000
9	30.48	1.200	50	1971680000	1972080000
10	34.29	1.350	50	1971690000	1972090000
11	38.10	1.500	50	1971700000	1972110000
12	41.91	1.650	50	1971710000	1972120000

Additional deratings curves



Connectors in 3.81 mm pitch Series BC/SC 3.81

SCZ 3.81/./180 ZE



Inverted male plug with screw connection and strain relief for the connected wire.

- Wire-to-wire connection with female plugs.
- Board-to-wire connection with BCL-SMT female header.
- Available in closed (G) version, screw flange (F), inverted flange (FI) and with lock and release lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

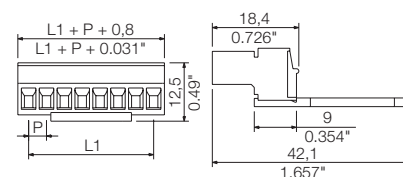
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SCZ 3.81/./180GZE

with strain relief



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1.5
Ferrule with plastic collar	mm ²	0.2...1.5
Stripping length	mm	7
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264
Tightening torque range	Nm	0.2...0.25
Rated current, max.	A	17.5 17.5
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	1
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	160 160 320
Rated impulse voltage	kV	2.5 2.5 2.5
UL / CUL (Use Group)	B C D	

Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	28-16
CSA (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	28-16

General data

Type of insulation material	PA GF
UL 94 flammability rating	V-0
Contact base material	Cu-Leg
Material of contact surface	tinned
Pin dimensions = d	mm
Solder eyelet Ø = D	mm
Solder eyelet Ø tolerance	mm

Accessories

Note: Refer to the Accessories chapter for additional accessories.

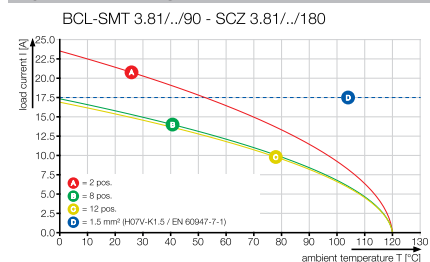
Coding	Order No.
SC-SMT 3.81 KO GY BX	1968900000
Screwdriver	
SDIS 0.4X2.5X75	9008370000
SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length		Colour		Orange		Black	
Pitch	3.81 mm	Pol.	L1 (inch)	Qty.	Order No.	Order No.	
4	11.43	0.450	50	1237000000	1236990000		
5	15.24	0.600	50	1237010000	1071710000		
6	19.05	0.750	50	1237020000	1071720000		
7	22.86	0.900	50	1237030000	1071730000		
8	26.67	1.050	50	1237040000	1071740000		
9	30.48	1.200	50	1237070000	1071750000		
10	34.29	1.350	50	1237080000	1071760000		
11	38.10	1.500	50	1237090000	1071770000		
12	41.91	1.650	50	1237100000	1071780000		

from 10 pole 2 strain reliefs per plug-in connector

Representative deratings curve



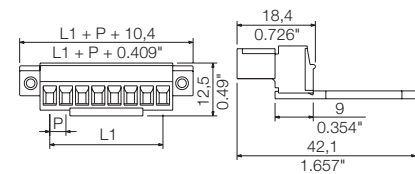
from 10 pole 2 strain reliefs per plug-in connector

SCZ 3.81/./180FZE

with screw flange and strain relief



Dimensioned drawing

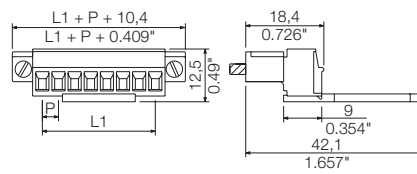


SCZ 3.81/./180FIZE

with inverted screw flange and strain relief



Dimensioned drawing

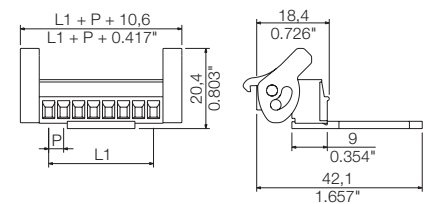


SCZ 3.81/./180LRZE

with release latch and strain relief



Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	11.43	0.450	50	1237120000	1237110000
5	15.24	0.600	50	1237130000	1071790000
6	19.05	0.750	50	1237140000	1071810000
7	22.86	0.900	50	1237170000	1071820000
8	26.67	1.050	50	1237180000	1071830000
9	30.48	1.200	50	1237190000	1071840000
10	34.29	1.350	50	1237200000	1071850000
11	38.10	1.500	50	1237210000	1071860000
12	41.91	1.650	50	1237220000	1071870000

Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	11.43	0.450	50	1237550000	1237440000
5	15.24	0.600	50	1237560000	1237450000
6	19.05	0.750	50	1237570000	1237470000
7	22.86	0.900	50	1237580000	1237480000
8	26.67	1.050	50	1237590000	1237490000
9	30.48	1.200	50	1237610000	1237510000
10	34.29	1.350	50	1237620000	1237520000
11	38.10	1.500	50	1237630000	1237530000
12	41.91	1.650	50	1237640000	1237540000

Ordering data

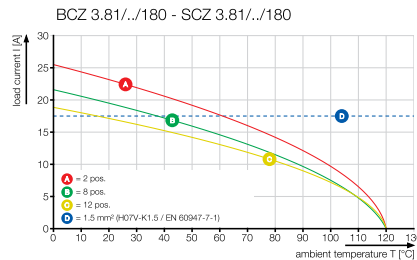
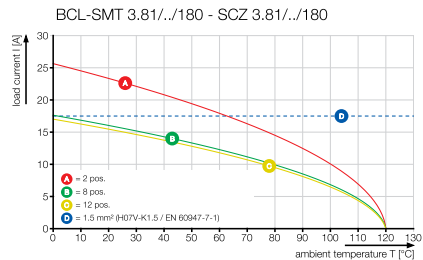
Solder pin length					
Colour			Orange		Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	11.43	0.450	50	1237340000	1237230000
5	15.24	0.600	50	1237350000	1237240000
6	19.05	0.750	50	1237370000	1237270000
7	22.86	0.900	50	1237380000	1237280000
8	26.67	1.050	50	1237390000	1237290000
9	30.48	1.200	50	1237400000	1237300000
10	34.29	1.350	50	1237410000	1237310000
11	38.10	1.500	50	1237420000	1237320000
12	41.91	1.650	50	1237430000	1237330000

from 10 pole 2 strain reliefs per plug-in connector

from 10 pole 2 strain reliefs per plug-in connector

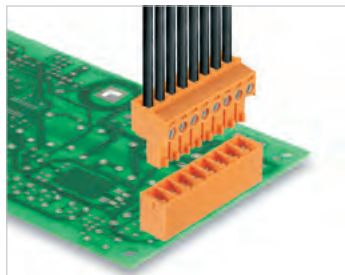
from 10 pole 2 strain reliefs per plug-in connector

Additional deratings curves



Connectors in 3.81 mm pitch Series BC/SC 3.81

BCZ 3.81/././180



Female plug with screw connection. Wire outlet 180° (wire is straight on to the direction of plugging).

- Available in closed version, with screw flange (F) and lock and release-lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 16



For additional articles and information, refer to catalog.weidmueller.com

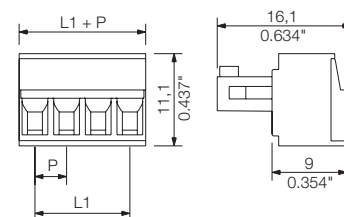
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BCZ 3.81/././180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...1.5	
Solid core H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.2...1.5	
Ferrule with plastic collar	mm ²	0.2...1.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.4 x 2.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.2...0.25	
Rated current, max.	A	17.5	17
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-16	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-16	
General data			
Type of insulation material		PA GF	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

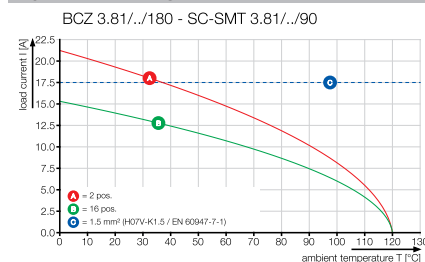
Note: Refer to the Accessories chapter for additional accessories.

Hood	Order No.
BCZ 3.81 AH03 BK BX	1005280000
BCZ 3.81 AH04 BK BX	1005290000
BCZ 3.81 AH05 BK BX	1005300000
BCZ 3.81 AH06 BK BX	1005310000
BCZ 3.81 AH07 BK BX	1005320000
BCZ 3.81 AH08 BK BX	1005330000
BCZ 3.81 AH09 BK BX	1005340000
BCZ 3.81 AH10 BK BX	1005350000
BCZ 3.81 AH12 BK BX	1005370000
BCZ 3.81 AH13 BK BX	1005380000
BCZ 3.81 AH14 BK BX	1005390000
BCZ 3.81 AH15 BK BX	1005400000
BCZ 3.81 AH16 BK BX	1005410000
Screwdriver	
SDIS 0.4X2.5X75	9008370000
SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1940730000	1792770000
3	7.62	0.300	50	1940740000	1792780000
4	11.43	0.450	50	1940750000	1792790000
5	15.24	0.600	50	1940760000	1792800000
6	19.05	0.750	50	1940770000	1792810000
7	22.86	0.900	50	1940780000	1871410000
8	26.67	1.050	50	1940790000	1792820000
9	30.48	1.200	50	1940800000	1871390000
10	34.29	1.350	50	1940810000	1792830000
11	38.10	1.500	50	1940820000	1899400000
12	41.91	1.650	50	1940830000	1792840000
13	45.72	1.800	50	1940840000	1899440000
14	49.53	1.950	50	1940850000	1899480000
15	53.34	2.100	50	1940860000	1899520000
16	57.15	2.250	50	1940870000	1792850000
17	60.96	2.400	50	1940890000	1940970000
18	64.77	2.550	50	1940900000	1940980000
19	68.58	2.700	50	1940910000	1940990000
20	72.39	2.850	50	1940920000	1941000000

Representative deratings curve

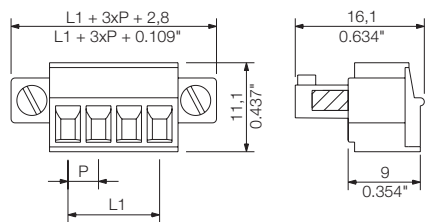


BCZ 3.81/././180F

with screw flange



Dimensioned drawing

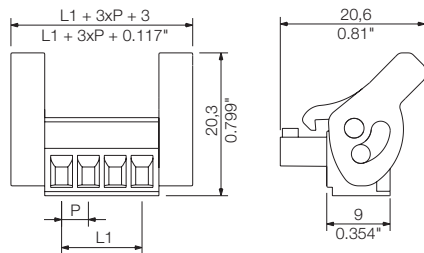


BCZ 3.81/././180LR

with release latch



Dimensioned drawing



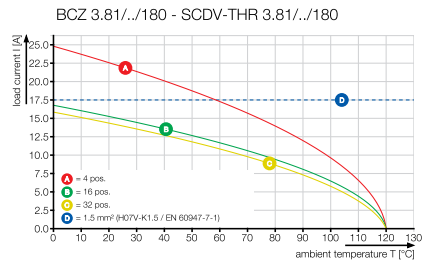
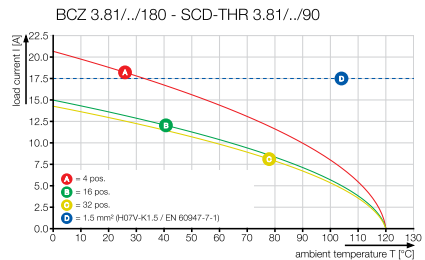
Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1941010000	1792950000
3	7.62	0.300	50	1941020000	1792960000
4	11.43	0.450	50	1941030000	1792970000
5	15.24	0.600	50	1941040000	1792980000
6	19.05	0.750	50	1941050000	1792990000
7	22.86	0.900	50	1941060000	1837020000
8	26.67	1.050	50	1941070000	1793000000
9	30.48	1.200	50	1941080000	1899530000
10	34.29	1.350	50	1941090000	1793010000
11	38.10	1.500	50	1941100000	1899550000
12	41.91	1.650	50	1941110000	1793020000
13	45.72	1.800	50	1941120000	1899570000
14	49.53	1.950	50	1941130000	1899590000
15	53.34	2.100	50	1941140000	1899610000
16	57.15	2.250	50	1941150000	1793030000
17	60.96	2.400	50	1941160000	1941360000
18	64.77	2.550	50	1941170000	1941370000
19	68.58	2.700	50	1941180000	1941380000
20	72.39	2.850	50	1941190000	1941390000

Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1941400000	1941780000
3	7.62	0.300	50	1941410000	1941790000
4	11.43	0.450	50	1941420000	1941800000
5	15.24	0.600	50	1941430000	1941810000
6	19.05	0.750	50	1941440000	1941820000
7	22.86	0.900	50	1941450000	1941830000
8	26.67	1.050	50	1941460000	1941840000
9	30.48	1.200	50	1941470000	1941850000
10	34.29	1.350	50	1941480000	1941860000
11	38.10	1.500	50	1941490000	1941870000
12	41.91	1.650	50	1941500000	1941880000
13	45.72	1.800	50	1941510000	1941890000
14	49.53	1.950	50	1941520000	1941900000
15	53.34	2.100	50	1941530000	1941910000
16	57.15	2.250	50	1941540000	1941920000
17	60.96	2.400	50	1941550000	1941930000
18	64.77	2.550	50	1941560000	1941940000
19	68.58	2.700	50	1941570000	1941950000
20	72.39	2.850	50	1941580000	1941960000

Additional deratings curves



Connectors in 3.81 mm pitch Series BC/SC 3.81

BCZ 3.81/./180 ZE



Female plug with screw connection and strain relief for the connected wire. Wire outlet 180° (wire is straight on to the direction of plugging).

- Available in closed version, with screw flange (F) and lock and release-lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

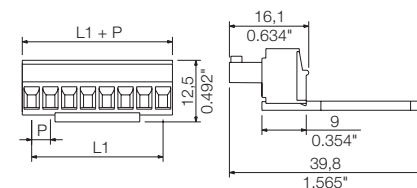
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BCZ 3.81/./180ZE

with strain relief



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.08...1.5
Solid core H05(07) V-U	mm ²	0.2...1.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1.5
Ferrule with plastic collar	mm ²	0.2...1.5
Stripping length	mm	7
Screwdriver blade	mm	0.4 x 2.5
According to norm		DIN 5264
Tightening torque range	Nm	0.2...0.25
Rated current, max.	A	17.5 17
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	1
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	160 160 320
Rated impulse voltage	kV	2.5 2.5 2.5
UL / CUL (Use Group)	B C D	D
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	28-16
CSA (Use Group)	B C D	D
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	28-16
General data		
Type of insulation material		PA GF
UL 94 flammability rating		V-0
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

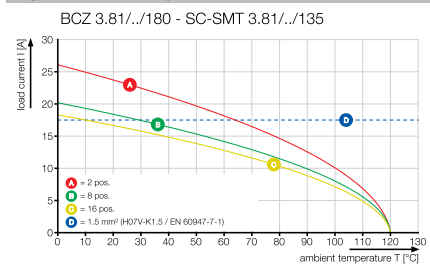
Screwdriver		Order No.
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length						
Colour			Orange		Black	
Pitch 3.81 mm						
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
5	15.24	0.600	50	1236270000	1071950000	
6	19.05	0.750	50	1236280000	1071960000	
7	22.86	0.900	50	1236290000	1071970000	
8	26.67	1.050	50	1236300000	1941970000	
9	30.48	1.200	50	1236320000	1071980000	
10	34.29	1.350	50	1236330000	1072010000	
11	38.10	1.500	50	1236340000	1072020000	
12	41.91	1.650	50	1236370000	1072030000	
13	45.72	1.800	50	1236380000	1072040000	
14	49.53	1.950	50	1236390000	1072050000	
15	53.34	2.100	50	1236400000	1072060000	
16	57.15	2.250	50	1236410000	1072070000	
17	60.96	2.400	50	1236420000	1072080000	
18	64.77	2.550	50	1236430000	1072090000	
19	68.58	2.700	50	1236440000	1072110000	
20	72.39	2.850	50	1236470000	1072120000	

from 10 pole 2 strain reliefs per plug-in connector

Representative deratings curve



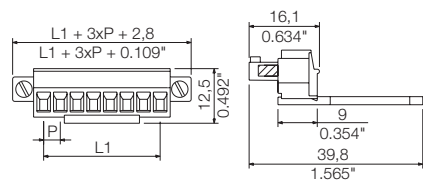
from 10 pole 2 strain reliefs per plug-in connector

BCZ 3.81/./180FZE

with screw flange and strain relief



Dimensioned drawing

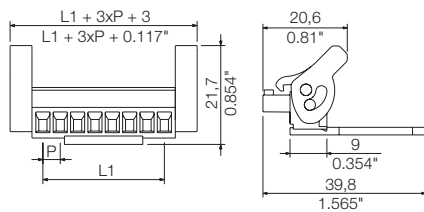


BCZ 3.81/./180LRZE

with release latch and strain relief



Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
5	15.24	0.600	50	1236530000	1072130000
6	19.05	0.750	50	1236540000	1072140000
7	22.86	0.900	50	1236570000	1072150000
8	26.67	1.050	50	1236590000	1941980000
9	30.48	1.200	50	1236600000	1072160000
10	34.29	1.350	50	1236610000	1072170000
11	38.10	1.500	50	1236620000	1072180000
12	41.91	1.650	50	1236630000	1072190000
13	45.72	1.800	50	1236640000	1072200000
14	49.53	1.950	50	1236670000	1072230000
15	53.34	2.100	50	1236680000	1072240000
16	57.15	2.250	50	1236690000	1072250000
17	60.96	2.400	50	1236700000	1072260000
18	64.77	2.550	50	1236720000	1072270000
19	68.58	2.700	50	1236730000	1072280000
20	72.39	2.850	50	1236740000	1072290000

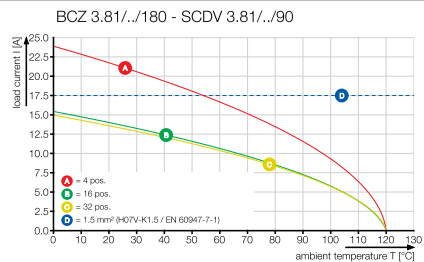
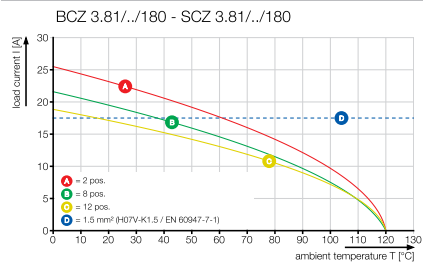
from 10 pole 2 strain reliefs per plug-in connector

Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
5	15.24	0.600	50	1236790000	1072310000
6	19.05	0.750	50	1236800000	1072320000
7	22.86	0.900	50	1236810000	1072330000
8	26.67	1.050	50	1236820000	1941990000
9	30.48	1.200	50	1236830000	1072340000
10	34.29	1.350	50	1236840000	1072350000
11	38.10	1.500	50	1236850000	1072360000
12	41.91	1.650	50	1236870000	1072370000
13	45.72	1.800	50	1236880000	1072380000
14	49.53	1.950	50	1236890000	1072390000
15	53.34	2.100	50	1236900000	1072450000
16	57.15	2.250	50	1236910000	1072460000
17	60.96	2.400	50	1236920000	1072470000
18	64.77	2.550	50	1236930000	1072480000
19	68.58	2.700	50	1236940000	1072490000
20	72.39	2.850	50	1236970000	1072510000

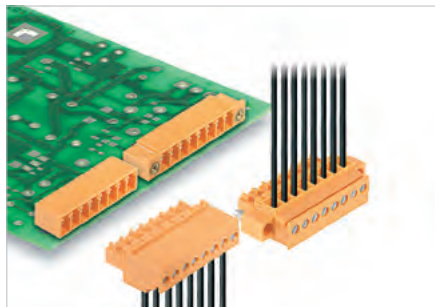
from 10 pole 2 strain reliefs per plug-in connector

Additional deratings curves



Connectors in 3.81 mm pitch Series BC/SC 3.81

BCZ 3.81/./90 & 270



Female plug with screw connection.

Wire outlet direction:

- 90° - wire perpendicular to plugging direction and above
- 270° - wire perpendicular to plugging direction and below
- Available in closed version and with screw flange (F).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.2 - 1.5 mm²
UL: 300 V / 10 A / AWG 28 - 16



For additional articles and information, refer to catalog.weidmueller.com

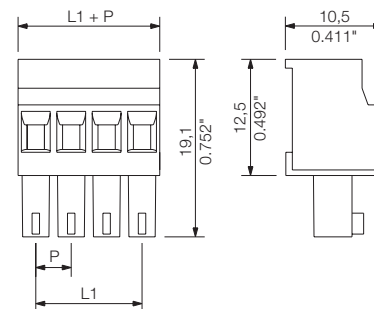
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BCZ 3.81/./90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.08...1.5	
Solid core H05(07) V-U	mm ²	0.2...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.2...1.5	
Ferrule with plastic collar	mm ²	0.2...1.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.4 x 2.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.2...0.25	
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	1	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-16	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	28-16	
General data			
Type of insulation material		PA GF	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

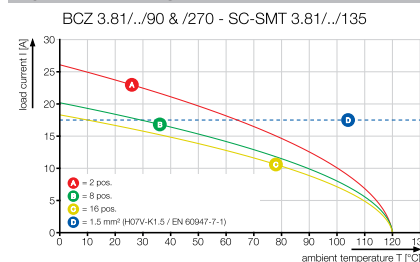
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000

Ordering data

Solder pin length						
Colour			Orange		Black	
Pitch		3.81 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	3.81	0.150	50	1939820000	1798500000	
3	7.62	0.300	50	1939830000	1798120000	
4	11.43	0.450	50	1939840000	1798550000	
5	15.24	0.600	50	1939860000	1798570000	
6	19.05	0.750	50	1939870000	1798590000	
7	22.86	0.900	50	1939880000	1858960000	
8	26.67	1.050	50	1939890000	1798130000	
9	30.48	1.200	50	1939900000	1871430000	
10	34.29	1.350	50	1939910000	1798610000	
11	38.10	1.500	50	1939920000	1899380000	
12	41.91	1.650	50	1939930000	1798630000	
13	45.72	1.800	50	1939940000	1899420000	
14	49.53	1.950	50	1939950000	1899460000	
15	53.34	2.100	50	1939960000	1899500000	
16	57.15	2.250	50	1939970000	1798660000	

Representative deratings curve

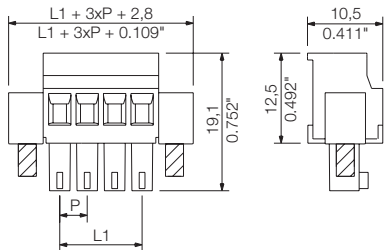


BCZ 3.81/./90F

with screw flange



Dimensioned drawing



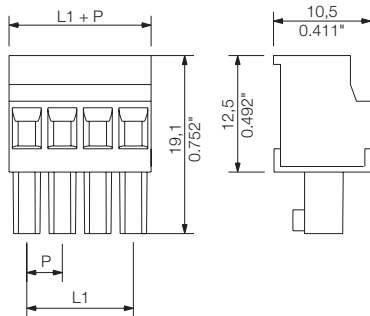
Ordering data

Solder pin length					
Colour			Orange		Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1939980000	1798780000
3	7.62	0.300	50	1939990000	1798140000
4	11.43	0.450	50	1940000000	1798790000
5	15.24	0.600	50	1940010000	1798800000
6	19.05	0.750	50	1940020000	1798810000
7	22.86	0.900	50	1940030000	1845690000
8	26.67	1.050	50	1940040000	1798150000
9	30.48	1.200	50	1940050000	1899540000
10	34.29	1.350	50	1940060000	1798820000
11	38.10	1.500	50	1940070000	1899560000
12	41.91	1.650	50	1940080000	1798830000
13	45.72	1.800	50	1940090000	1899580000
14	49.53	1.950	50	1940100000	1899600000
15	53.34	2.100	50	1940110000	1899620000
16	57.15	2.250	50	1940120000	1798840000

BCZ 3.81/./270



Dimensioned drawing



Ordering data

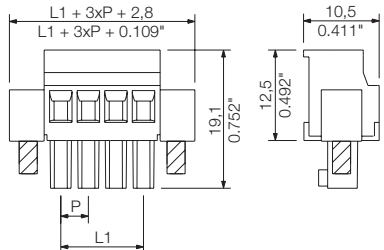
Solder pin length					
Colour			Orange		Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1940190000	1798940000
3	7.62	0.300	50	1940200000	1798160000
4	11.43	0.450	50	1940210000	1798950000
5	15.24	0.600	50	1940220000	1798960000
6	19.05	0.750	50	1940230000	1798970000
7	22.86	0.900	50	1940240000	1940400000
8	26.67	1.050	50	1940250000	1798170000
9	30.48	1.200	50	1940260000	1940410000
10	34.29	1.350	50	1940270000	1798980000
11	38.10	1.500	50	1940280000	1940420000
12	41.91	1.650	50	1940290000	1798990000
13	45.72	1.800	50	1940300000	1940430000
14	49.53	1.950	50	1940310000	1940440000
15	53.34	2.100	50	1940320000	1940450000
16	57.15	2.250	50	1940330000	1799000000

BCZ 3.81/./270F

with screw flange



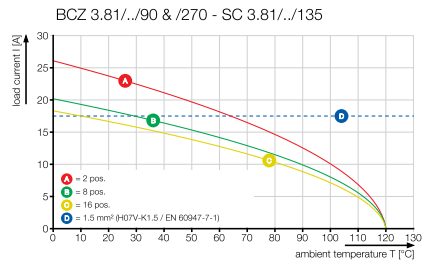
Dimensioned drawing



Ordering data

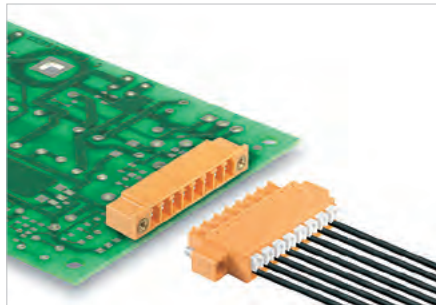
Solder pin length					
Colour			Orange		Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1940460000	1799100000
3	7.62	0.300	50	1940470000	1798180000
4	11.43	0.450	50	1940480000	1799110000
5	15.24	0.600	50	1940490000	1799120000
6	19.05	0.750	50	1940500000	1799130000
7	22.86	0.900	50	1940510000	1940670000
8	26.67	1.050	50	1940520000	1798190000
9	30.48	1.200	50	1940530000	1940680000
10	34.29	1.350	50	1940540000	1799140000
11	38.10	1.500	50	1940550000	1940690000
12	41.91	1.650	50	1940560000	1799150000
13	45.72	1.800	50	1940570000	1940700000
14	49.53	1.950	50	1940580000	1940710000
15	53.34	2.100	50	1940590000	1940720000
16	57.15	2.250	50	1940600000	1799160000

Additional deratings curves



Connectors in 3.81 mm pitch Series BC/SC 3.81

BCF 3.81/./180



Female plug with "PUSH IN" wire connection.

- Simply insert the wire and it's ready.
- Integrated push-button for opening the terminal point
- High component density because of very low height, especially when combined with the compact double-level SCDN / SCDN-THR male header.
- Available in closed version, with screw flange (F) and lock an release-lever (LR).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.14 - 1.5 mm²
UL: 300 V / 10 A / AWG 26 - 16



For additional articles and information, refer to catalog.weidmueller.com

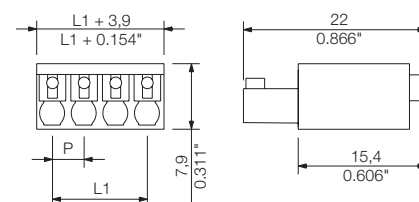
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Crimp shape A for wire-end ferrules with crimping tools PZ 1.5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Conductors suitable for connection: 1.5 mm² with wire-end ferrule with plastic collar, DIN 46 228/1, with a rated voltage of 125V/2.5 kV with III/3 or 250 V/2.5 kV with II/2

BCF 3.81/./180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²	0.14...1.5	
Solid core H05(07) V-U	mm²	0.14...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm²	0.14...1.5	
Flexible with ferrule	mm²	0.25...1.5	
Ferrule with plastic collar	mm²	0.25...1	
Stripping length	mm	9	
Screwdriver blade	mm	0.4 x 2.5	
According to norm		DIN 5264	
Tightening torque range	Nm		
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm²	1	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	160	320
Rated impulse voltage	kV	2.5	2.5
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-16	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-16	
General data			
Type of insulation material		PA 66 GF 30	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

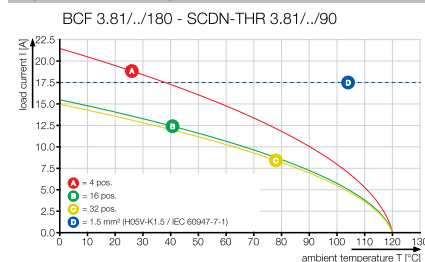
Note: Refer to the Accessories chapter for additional accessories.

Screwdriver		Order No.
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000
Crimping tool		
	PZ 1.5	9005990000
	PZ 6/5	9011460000

Ordering data

Solder pin length						
Colour			Orange		Black	
Pitch 3.81 mm						
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	3.81	0.150	50	1969090000	1969890000	
3	7.62	0.300	50	1969100000	1969920000	
4	11.43	0.450	50	1969110000	1969950000	
5	15.24	0.600	50	1969120000	1969970000	
6	19.05	0.750	50	1969130000	1969980000	
7	22.86	0.900	50	1969140000	1969990000	
8	26.67	1.050	50	1969150000	1970000000	
9	30.48	1.200	50	1969160000	1970040000	
10	34.29	1.350	50	1969170000	1970130000	
11	38.10	1.500	50	1969180000	1970170000	
12	41.91	1.650	50	1969190000	1970190000	
13	45.72	1.800	50	1969200000	1970200000	
14	49.53	1.950	50	1969210000	1970210000	
15	53.34	2.100	50	1969220000	1970220000	
16	57.15	2.250	50	1969230000	1970230000	
17	60.96	2.400	50	1969240000	1970240000	
18	64.77	2.550	50	1969250000	1970250000	

Representative deratings curve

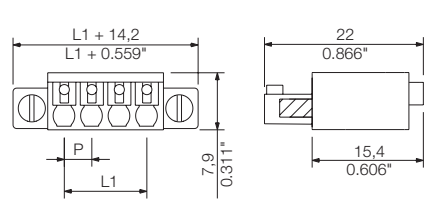


BCF 3.81../180F

with screw flange



Dimensioned drawing



Ordering data

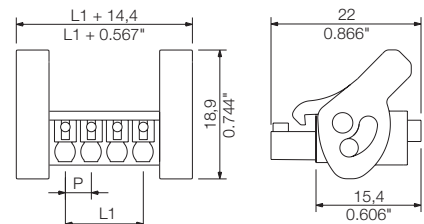
Solder pin length					
Colour			Orange		Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1970300000	1971500000
3	7.62	0.300	50	1970330000	1971570000
4	11.43	0.450	50	1970370000	1971590000
5	15.24	0.600	50	1970380000	1971620000
6	19.05	0.750	50	1970400000	1971650000
7	22.86	0.900	50	1970440000	1971780000
8	26.67	1.050	50	1970560000	1971830000
9	30.48	1.200	50	1970570000	1971850000
10	34.29	1.350	50	1970580000	1971870000
11	38.10	1.500	50	1970620000	1971900000
12	41.91	1.650	50	1970650000	1971940000
13	45.72	1.800	50	1970690000	1971970000
14	49.53	1.950	50	1970730000	1972000000
15	53.34	2.100	50	1970750000	1972030000
16	57.15	2.250	50	1970820000	1972070000
17	60.96	2.400	50	1970850000	1972100000
18	64.77	2.550	50	1970890000	1972170000

BCF 3.81../180LR

with release latch



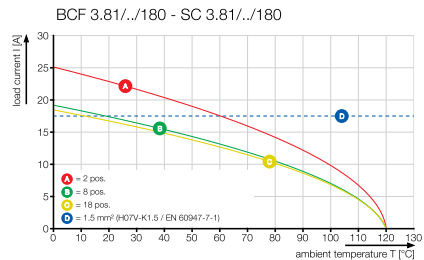
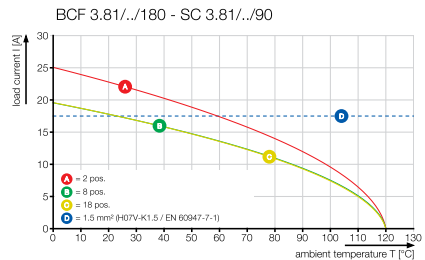
Dimensioned drawing



Ordering data

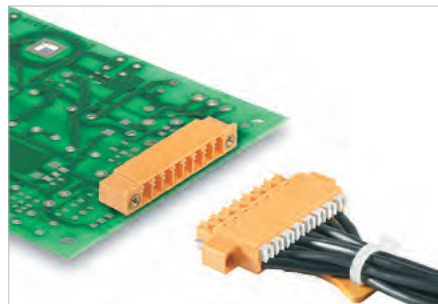
Solder pin length					
Colour			Orange		Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	3.81	0.150	50	1972200000	1972600000
3	7.62	0.300	50	1972210000	1972610000
4	11.43	0.450	50	1972220000	1972620000
5	15.24	0.600	50	1972230000	1972630000
6	19.05	0.750	50	1972240000	1972640000
7	22.86	0.900	50	1972250000	1972650000
8	26.67	1.050	50	1972260000	1972660000
9	30.48	1.200	50	1972270000	1972670000
10	34.29	1.350	50	1972280000	1972680000
11	38.10	1.500	50	1972290000	1972690000
12	41.91	1.650	50	1972300000	1972700000
13	45.72	1.800	50	1972310000	1972710000
14	49.53	1.950	50	1972320000	1972720000
15	53.34	2.100	50	1972330000	1972730000
16	57.15	2.250	50	1972340000	1972740000
17	60.96	2.400	50	1972350000	1972750000
18	64.77	2.550	50	1972360000	1972760000

Additional deratings curves



Connectors in 3.81 mm pitch Series BC/SC 3.81

BCF 3.81/./180 ZE



Female plug with strain relief (ZE) for the connected wire.

- "PUSH IN" wire connection method
- Simply insert the prepared wire and attach the strain relief mechanism
- Intuitive handling - since the wire-entry area and handling area are clearly separated.

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A / 0.14 - 1.5 mm²
UL: 300 V / 10 A / AWG 24 - 16



For additional articles and information, refer to catalog.weidmueller.com

Note:

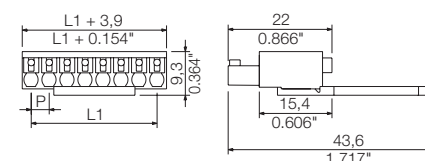
- Additional colours on request
- Gold-plated contact surfaces on request
- Crimp shape A for wire-end ferrules with crimping tools PZ 1.5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for larger wire cross-sections recommended.
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Conductors suitable for connection: 1.5 mm² with wire-end ferrule with plastic collar, DIN 46 228/1, with a rated voltage of 125V/2.5 kV with III/3 or 250 V/2.5 kV with II/2

BCF 3.81/./180ZE

with strain relief



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.14...1.5	
Solid core H05(07) V-U	mm ²	0.14...1.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.14...1.5	
Flexible with ferrule	mm ²	0.25...1.5	
Ferrule with plastic collar	mm ²	0.25...1	
Stripping length	mm	9	
Screwdriver blade	mm	0.4 x 2.5	
According to norm		DIN 5264	
Tightening torque range	Nm		
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	160	160 320
Rated impulse voltage	kV	2.5	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	24-16	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	24-16	
General data			
Type of insulation material		PA 66 GF 30	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

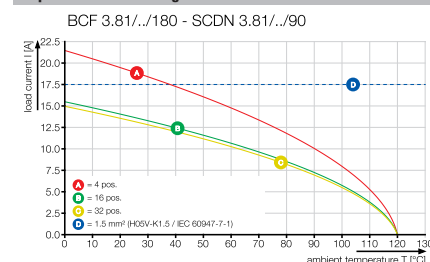
Screwdriver		Order No.
	SDIS 0.4X2.5X75	9008370000
	SDS 0.4X2.5X75	9009030000
Crimping tool		
	PZ 1.5	9005990000
	PZ 6/5	9011460000

Ordering data

Solder pin length					
Colour			Orange		Black
Pitch 3.81 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
5	15.24	0.600	50	1235790000	1231680000
6	19.05	0.750	50	1235800000	1231690000
7	22.86	0.900	50	1235810000	1231710000
8	26.67	1.050	50	1235820000	1231720000
9	30.48	1.200	50	1235830000	1231730000
10	34.29	1.350	50	1235840000	1231740000
11	38.10	1.500	50	1235870000	1231750000
12	41.91	1.650	50	1235880000	1231760000
13	45.72	1.800	50	1235890000	1231770000
14	49.53	1.950	50	1235900000	1231780000
15	53.34	2.100	50	1235910000	1231790000
16	57.15	2.250	50	1235920000	1231810000
17	60.96	2.400	50	1235930000	1231820000
18	64.77	2.550	50	1235940000	1231830000

from 10 pole 2 strain reliefs per plug-in connector

Representative deratings curve



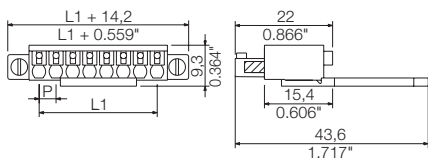
from 10 pole 2 strain reliefs per plug-in connector

BCF 3.81../180FZE

with screw flange and strain relief



Dimensioned drawing

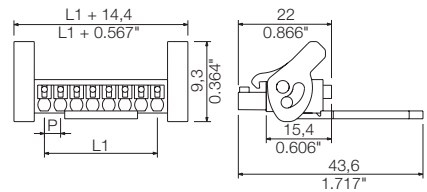


BCF 3.81../180LRZE

with release latch and strain relief



Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
5	15.24	0.600	50	1235970000	1231350000
6	19.05	0.750	50	1235980000	1231360000
7	22.86	0.900	50	1235990000	1231370000
8	26.67	1.050	50	1236000000	1231380000
9	30.48	1.200	50	1236010000	1231390000
10	34.29	1.350	50	1236020000	1231410000
11	38.10	1.500	50	1236030000	1231420000
12	41.91	1.650	50	1236040000	1231430000
13	45.72	1.800	50	1236050000	1231440000
14	49.53	1.950	50	1236070000	1231450000
15	53.34	2.100	50	1236080000	1231460000
16	57.15	2.250	50	1236090000	1231470000
17	60.96	2.400	50	1236100000	1231480000
18	64.77	2.550	50	1236110000	1231490000

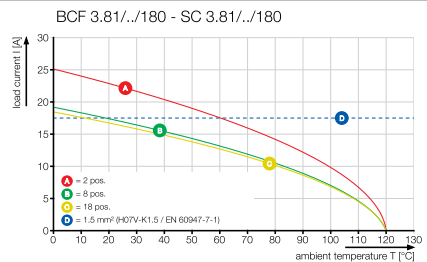
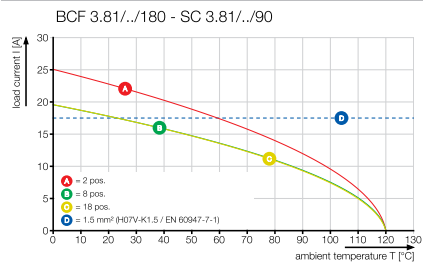
Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		3.81 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
5	15.24	0.600	50	1236120000	1231520000
6	19.05	0.750	50	1236130000	1231530000
7	22.86	0.900	50	1236140000	1231540000
8	26.67	1.050	50	1236150000	1231550000
9	30.48	1.200	50	1236160000	1231560000
10	34.29	1.350	50	1236170000	1231570000
11	38.10	1.500	50	1236180000	1231580000
12	41.91	1.650	50	1236190000	1231590000
13	45.72	1.800	50	1236200000	1231610000
14	49.53	1.950	50	1236210000	1231620000
15	53.34	2.100	50	1236220000	1231630000
16	57.15	2.250	50	1236230000	1231640000
17	60.96	2.400	50	1236240000	1231650000
18	64.77	2.550	50	1236250000	1231660000

from 10 pole 2 strain reliefs per plug-in connector

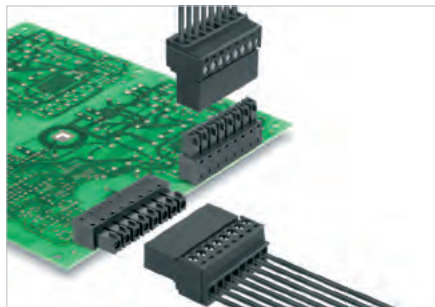
from 10 pole 2 strain reliefs per plug-in connector

Additional deratings curves



Connectors in 3.81 mm pitch Series BC/SC 3.81

BCL-SMT 3.81/./90



Inverted female headers for:

- Touch-safety on the circuit board with board-to-wire connection (with the SCZ)
- Board-to-board component connection (with SC/SC-SMT)
- Works with reflow soldering and automatic placement.
- Orientation: 90°
- Available in closed version with screw Flange (F) and inverted solder flange (LFI).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A

UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

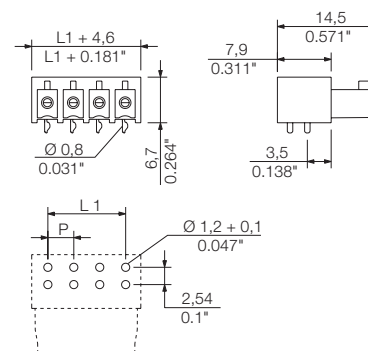
Note:

- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BCL-SMT 3.81/./90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	160	160
Rated impulse voltage	kV	2.5	2.5
UL / CUL (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		
CSA (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8	
Solder eyelet Ø = D	mm	1.2	
Solder eyelet Ø tolerance	mm	+ 0,1	

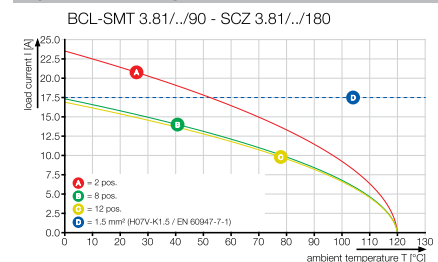
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length		1.5 mm	
Colour		Black	
Pitch	3.81 mm		
Pol.	L1	(inch)	Qty. Order No.
2	3.81	0.150	50 1974750000
3	7.62	0.300	50 1974770000
4	11.43	0.450	50 1974780000
5	15.24	0.600	50 1974800000
6	19.05	0.750	50 1974820000
7	22.86	0.900	50 1974840000
8	26.67	1.050	50 1974850000
9	30.48	1.200	50 1974880000
10	34.29	1.350	50 1974890000
11	38.10	1.500	50 1974910000
12	41.91	1.650	50 1974930000

Representative deratings curve

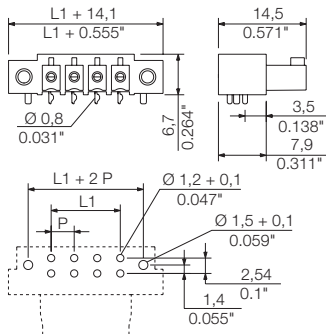


BCL-SMT 3.81../90LFI

with inverted solder flange



Dimensioned drawing



Ordering data

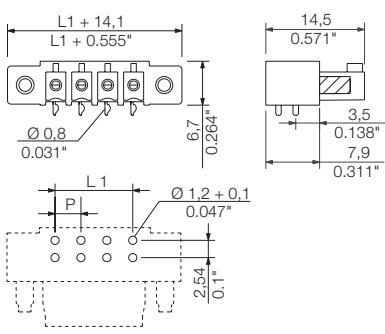
Solder pin length				1.5 mm
Colour				Black
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1028720000
3	7.62	0.300	50	1028730000
4	11.43	0.450	50	1028740000
5	15.24	0.600	50	1028750000
6	19.05	0.750	50	1028760000
7	22.86	0.900	50	1028770000
8	26.67	1.050	50	1028790000
9	30.48	1.200	50	1028810000
10	34.29	1.350	50	1028820000
11	38.10	1.500	50	1028830000
12	41.91	1.650	50	1028840000

BCL-SMT 3.81../90F

with screw flange



Dimensioned drawing

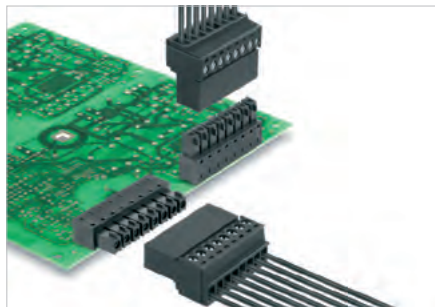


Ordering data

Solder pin length				1.5 mm
Colour				Black
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1975690000
3	7.62	0.300	50	1975700000
4	11.43	0.450	50	1975710000
5	15.24	0.600	50	1975730000
6	19.05	0.750	50	1975740000
7	22.86	0.900	50	1975750000
8	26.67	1.050	50	1975760000
9	30.48	1.200	50	1975780000
10	34.29	1.350	50	1975790000
11	38.10	1.500	50	1975820000
12	41.91	1.650	50	1975830000

Connectors in 3.81 mm pitch Series BC/SC 3.81

BCL-SMT 3.81/./180



Inverted female headers for:

- Touch-safety on the circuit board with board-to-wire (when connecting with the SCZ)
- Board-to-board component connection (with SC/SC-SMT)
- Works with reflow soldering and automatic placement.
- Orientation: 180°
- Available in closed version and with inverted solder flange (LFI).

Weidmüller's 3.81 mm pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors and offer space for labelling and coding.

Product data

IEC: 320 V / 17.5 A

UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

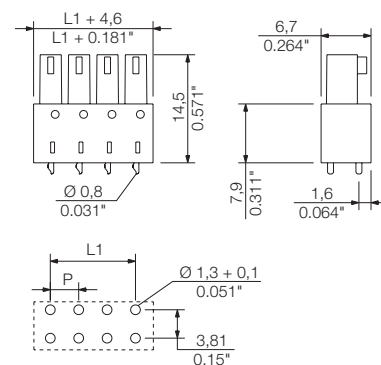
Note:

- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BCL-SMT 3.81/./180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	17.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	160	160
Rated impulse voltage	kV	2.5	2.5
UL / CUL (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		
CSA (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.8	
Solder eyelet Ø = D	mm	1.2	
Solder eyelet Ø tolerance	mm	+ 0,1	

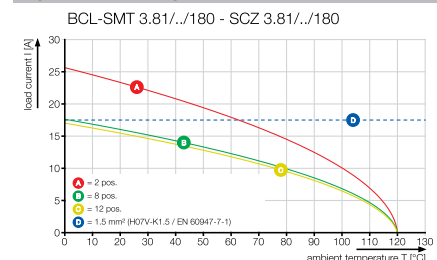
Accessories

Note: Refer to the Accessories chapter for additional accessories.

Ordering data

Solder pin length		1.5 mm	
Colour		Black	
Pitch	3.81 mm		
Pol.	L1	(inch)	Qty. Order No.
2	3.81	0.150	50 1976490000
3	7.62	0.300	50 1976500000
4	11.43	0.450	50 1976520000
5	15.24	0.600	50 1976530000
6	19.05	0.750	50 1976550000
7	22.86	0.900	50 1976570000
8	26.67	1.050	50 1976580000
9	30.48	1.200	50 1976590000
10	34.29	1.350	50 1976610000
11	38.10	1.500	50 1976620000
12	41.91	1.650	50 1976640000

Representative deratings curve

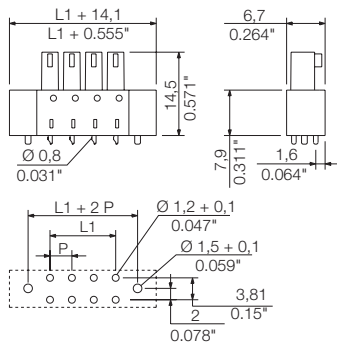


BCL-SMT 3.81/././180LFI

with inverted solder flange



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm		
Colour		Black		
Pitch		3.81 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	3.81	0.150	50	1029260000
3	7.62	0.300	50	1029270000
4	11.43	0.450	50	1029280000
5	15.24	0.600	50	1029290000
6	19.05	0.750	50	1029310000
7	22.86	0.900	50	1029320000
8	26.67	1.050	50	1029330000
9	30.48	1.200	50	1029340000
10	34.29	1.350	50	1029350000
11	38.10	1.500	50	1029360000
12	41.91	1.650	50	1029370000

OMNIMATE Signal

PCB connectors in 5.00 mm and 5.08 mm pitch

OMNIMATE Signal PCB connectors in 5.00 mm and 5.08 mm pitch	Connectors in 5.00 mm pitch Series BL/SL 5.00	Explanation	E.2
		Quick selection	E.14
		Product selection	E.22
	Connectors in 5.08 mm pitch Series BL/SL 5.08	Explanation	E.2
		Quick selection	E.16
		Product selection	E.50

Male header SL-SMT 5.0x HC and SL-SMarT 5.0x HC

The connecting element in the reflow process

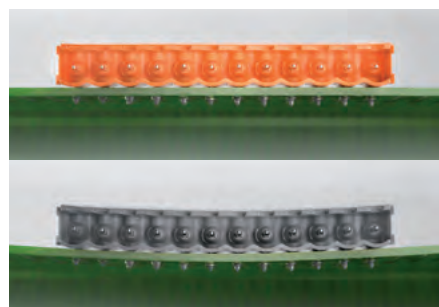
Optimised for SMT (Surface Mount Technology)

Innovative, application oriented male headers made from high temperature insulating material LCP (Liquid crystal polymer) permits seamless integration of the connections into the automated SMT production process, including reflow soldering. HC represents additional performance.

The comprehensive portfolio impresses with significant gains in efficiency in assembly production, i.e. a reduction of manufacturing costs of up to 30 %, with increased process security and proven reliability.

Absolute process reliability

Using glass-fibre reinforced plastic with the SL 5.08 HC and SL-SMT 5.08 pin headers ensures a high level of dimensional stability and prevents what is known as the "banana effect" – the printed-circuit board sagging – in the soldering process.



Standard-compliant fixing

More use with less effort: the soldering flange reduces 3 steps to one while protecting the soldering points from regular mechanical stress. A uniform drill hole diameter, no fixing of the fastening screw – additional fastening takes place automatically in the soldering process.



SL-SMarT: designed for automatic machine assembly

All pole numbers on board – only 2 articles on the bearing/in the feeder. The strategy of self-adjusting 2- and 3-pole pin header modules not only reduces the variety, but also the costs. The fact that it can be processed without a pick & place pad boosts process reliability and efficiency even more.



Delivered to fit your process:

Tape packaging with optimised tape pockets customised to match the width and pole count: this ensures that the feeders are used optimally and that the male headers are securely positioned on the tape.



Specified to fit your application:

1.5 mm short pins for flush solder joints permit PCB assembly on both sides in accordance with IPC A-610 and also reduces the solder paste volume significantly. At the same time, the required stroke length of the Pick & Place machine is reduced to a minimum. As an alternative, 3.2 mm pins are available for PCBs thicker than 1.6 mm.



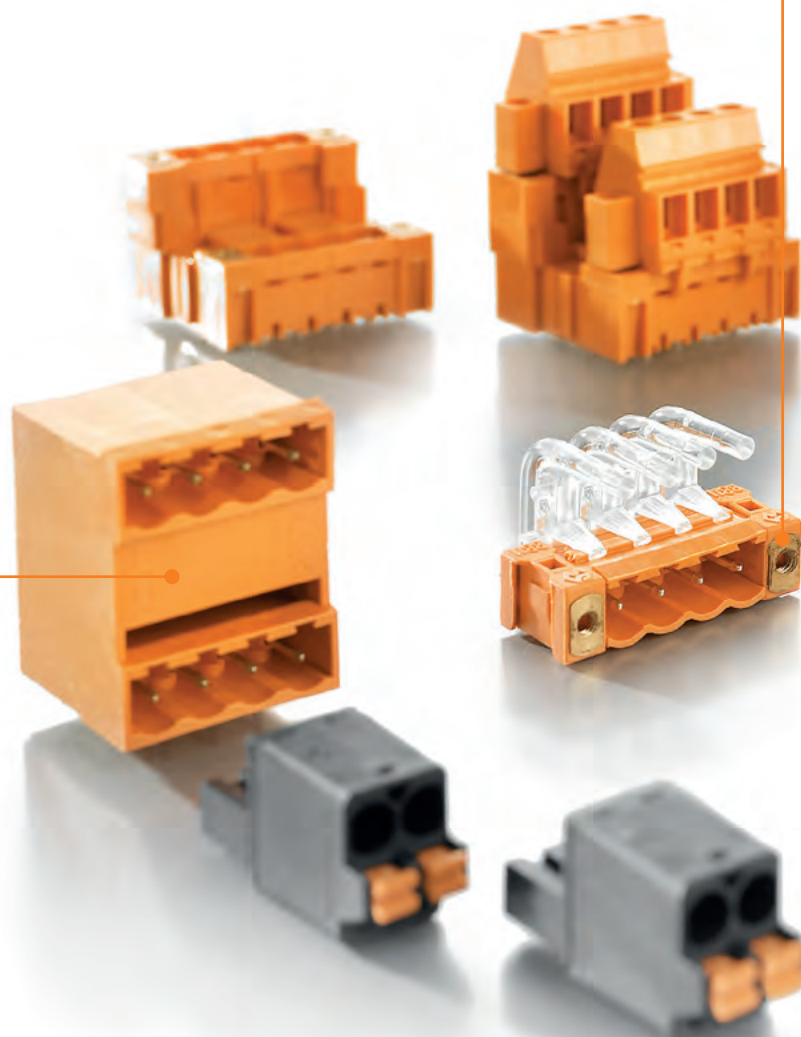
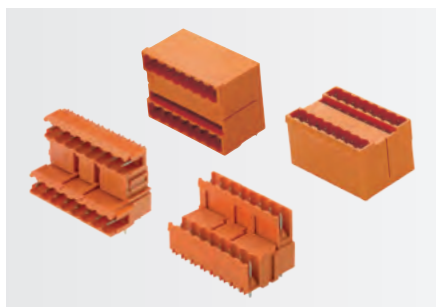
Male header SL 5.00 / SL 5.08 HC

Optimised for wave soldering

These male headers in 5.00 mm and 5.08 mm pitch with the characteristic wave design in the mating face are the standard headers used in industrial automation. This male header has already enjoyed decades of market success; it is the basis for device connection systems for both wave and manual soldering. HC represents additional performance.

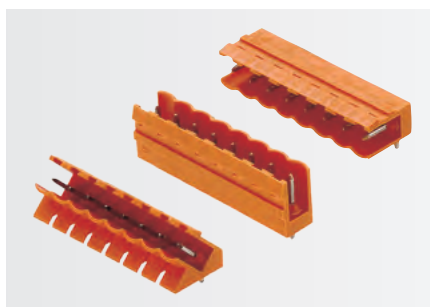
Increased density for device connections:

You can maximise connection density by using double level male headers together with your choice of connection systems on the field side.



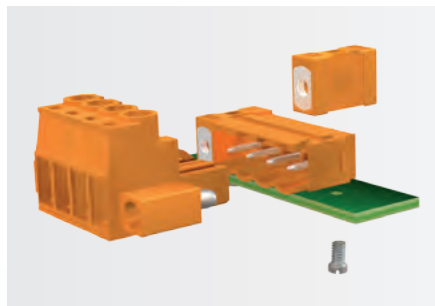
Three outlet directions:

There are more device design possibilities created by the different conductor path angles.

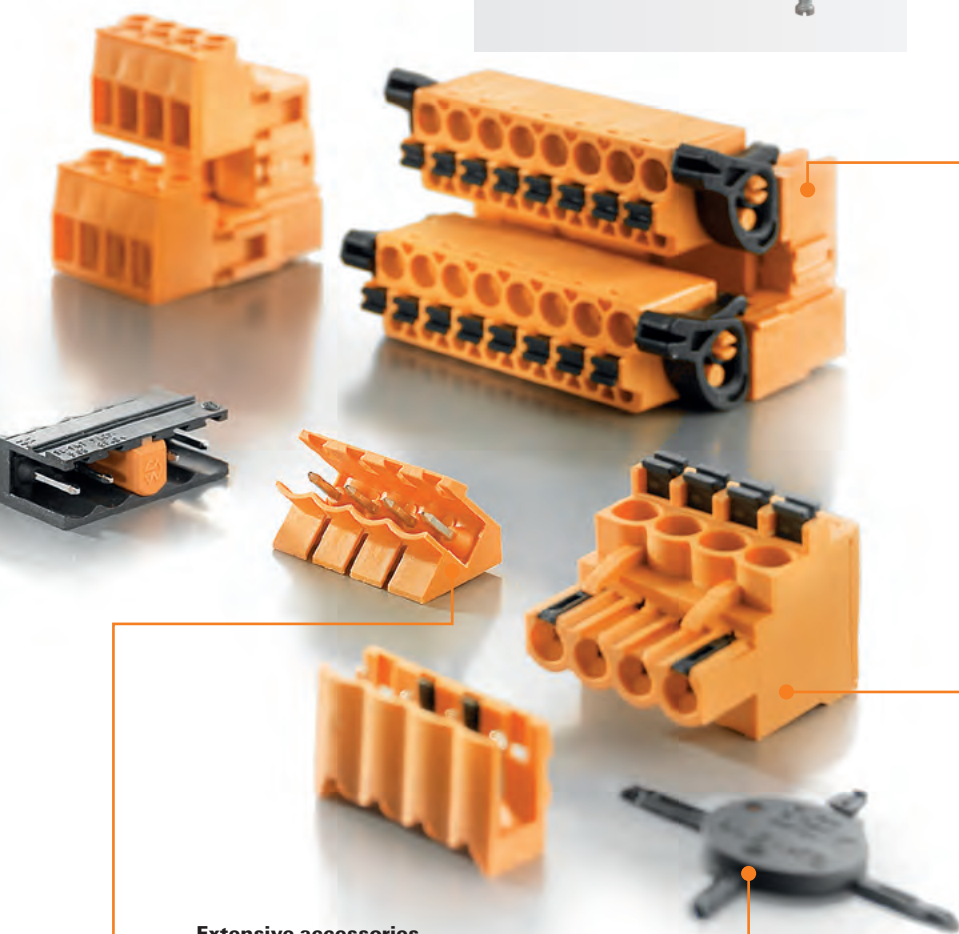


Safe under vibration and shock

- Vibration proof connection between male header and female plug
- The male header can also be screwed to the PCB
- Available with gold-plated surfaces

**Specified to fit your assembly process**

Gold-plated male headers have gold plating on the functional surfaces but not on the solder surfaces. This prevents contamination of the solder bath.

**Integrated to fit your design**

Adaptable connection system - the colour of the plug connectors fits to the device design and not the other way around.

Extensive accessories

- Light guides carry signals from the PCB LEDs to the front plate
- Partitions can be used to visually separate the different functional areas of the male header.
- All male headers can be manually coded or ordered as pre-coded headers.



Female plug BLZP 5.0x HC

Pluggable, universal screw connection

The BLZP is the functional extension of the BLZ series, which has proven itself on the market for decades.

The “P” in the part name stands for a “plus” in security and the “HC” a “plus” in performance during processing and usage. Resulting from this are additional customer benefits, such as a continuous function and safety chain, increased efficiency and process reliability and much more user friendly operation.



Folded steel clamping yoke

When the screw on the clamp is tightened, there is a counter effect in the clamping yoke's threaded area. This ensures a maintenance free and durable gas-tight connection. In addition, the elastic behaviour of the clamping yoke compensates for the setting of the connected wire and any temperature induced deviations.



Hybrid contacts

The current bar and the tulip contact are made from two different materials and then welded together. The current bar has high conductivity and the tulip contact is characterised by its excellent spring properties.



Safe connection – error-free wiring

The integrated “wire guard” feature prevents dangerous insertion of the wire below the clamping area and thus protects against contact or insertion errors.



Safe contacting – universal operation

The globally compatible screw head (in conformity with ISO 2880/2, ISO 8764/2-PH and ISO 8764/2-PHZ) that fits all tools – for non-positive and uncomplicated operation with common hand tools or the efficient use of power tools.

**Conductor outlet direction up/down****Conductor outlet direction straight/inclined****Locking options**

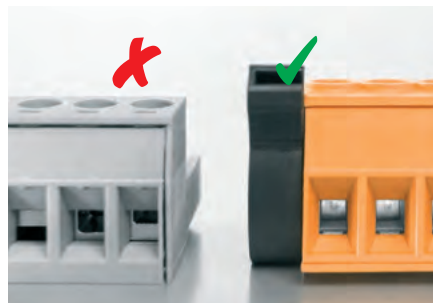
F = screw flange / LR = Lock & Release lever

**Process-compatible by default – economical processing**

Unpack – wire ready – connect up. Our wire-ready technology makes sure that all connecting points are completely opened when delivered, even after global transport (in conformity with ISO 13355).

Securely lock – simply release

Fast, self-locking with the male header for tool-free handling. Releasing of the female plug is gentle on components.



Female plug BLT 5.08 HC

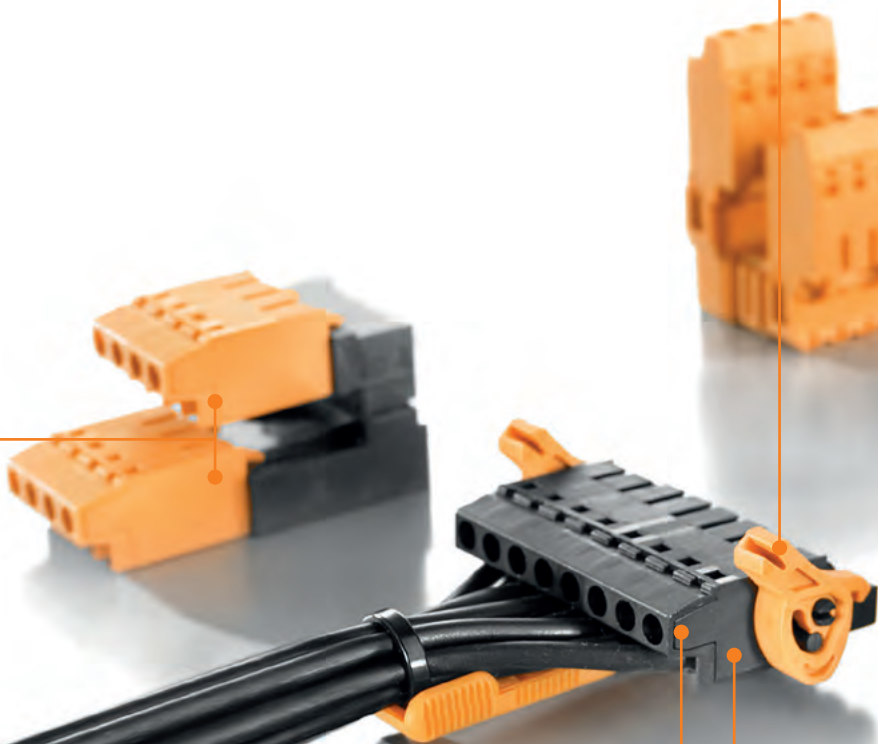
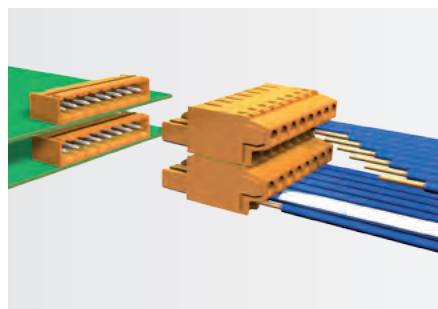
The specialist for tight installation spaces

The BLT range is the most compact TOP connection of its type available in 5.08 mm pitch. This greatly simplifies device design because the cable entry and screw are located in the same plane of the plug-in connector. With the wire connection parallel to the circuit board, the BLT is specialised for use in limited installation spaces and high packing densities. HC represents additional performance.



High component density

Normal screw terminals have a 90° angle between the directions of the cable entry and the screw. The required space must then be taken into account when designing the device. However with the TOP connection system, the directions for wire entry and clamping operations are the same.



Hybrid contacts

For every function, the best material. The current bar and the tulip contact are made from two different materials and then welded together. The current bar has high conductivity and the tulip contact is characterised by its excellent spring properties.

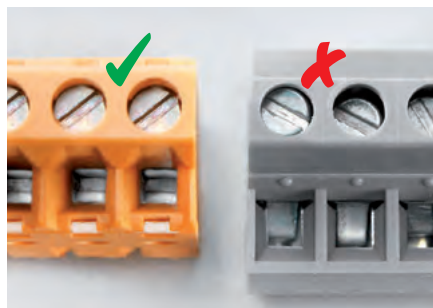
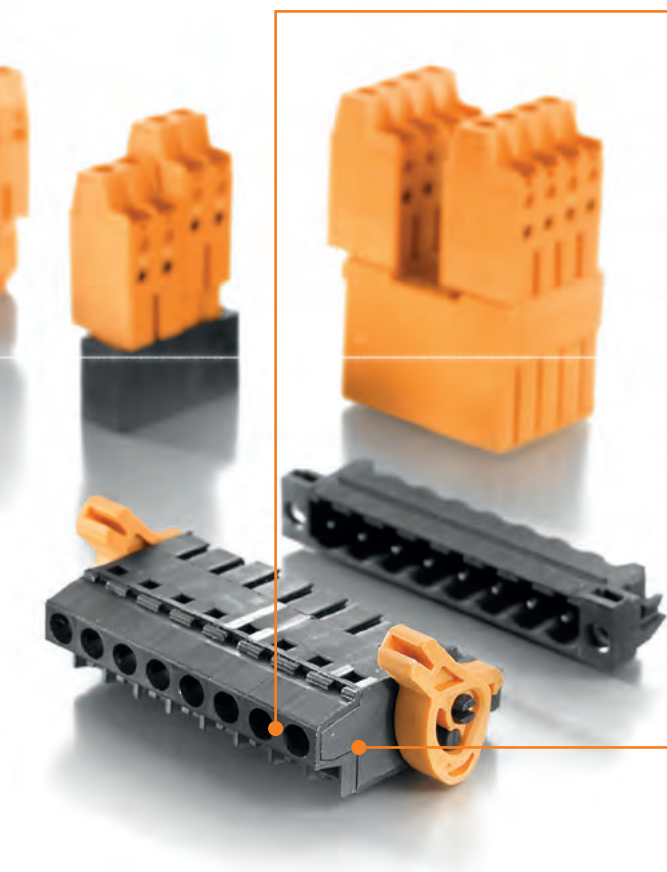


Secure interlock and simple release

Fast, self-locking with the male header for tool-free handling. Releasing of the female plug is gentle on components.

**Process-compatible by default – economical processing**

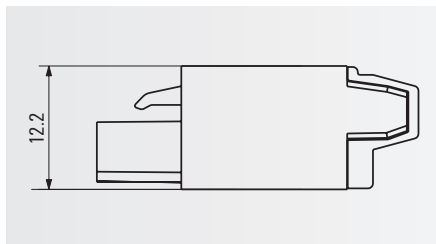
Unpack – “Wire Ready” – Connect. The “Wire Ready” technology ensures that all clamping units are fully open on delivery, even after world-wide shipping.

**Safe to use with no-fault wiring:**

The BLT's “pull effect” ensures that the connected wire is pulled in to the clamping point for a securely established contact.

**Minimal height**

With a height of only 12.2 mm, the BLT is currently the smallest TOP connection available.



Female plug BLF 5.0x HC and BLDF 5.08 PUSH IN for fast conductor connection without any tools



The quick "PUSH IN" connection is now also available in pitches of 5.00 mm and 5.08 mm. The products are simple, safe and can be used in a variety of applications: The plugs are available for all wire outlet directions (90°, 180° and 270°) and also as a double connector with integrated cross-connection for bus applications. HC represents additional performance. The hybrid contacts used in combination with PUSH IN guarantee a vibration resistant and maintenance free connection, even under extreme conditions.

Hybrid contacts

The current bar and the tulip contact are made from two different materials and then welded together. The current bar has high conductivity and the tulip contact is characterised by its excellent spring properties.



All-purpose usage

Very large clamping range from 0.2 mm² to 2.5 mm² – even when using ferrules with plastic collars.



Can be tested at any time

Simplified functional testing using easily accessible diagnostic test points.

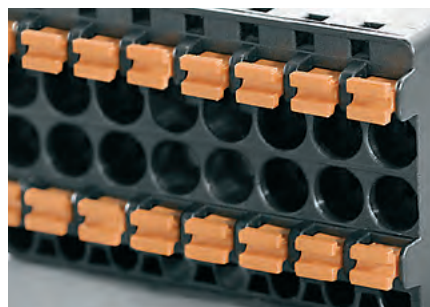
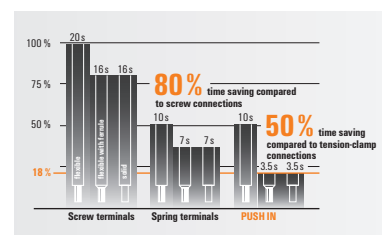


Safe to operate

Rounded edges and large, non-slip control buttons ensure user-friendly operation.

**Extremely durable**

The integrated cross-connector is designed for a low voltage drop and allows a powerful 22 A bus power which can supply a high number of notes in the bus system.

**Directly plugged in****Simply fast**

PUSH IN: tool-free connections of pre-prepared wires into the wire-entry funnel. www.PUSH-IN.com

**Simple and self-explanatory**

Intuitive opening of the terminal point using conspicuous push buttons.

**All-round safety**

A stainless steel cage enclosure prevents subsidence in the contact area. To prevent any drop in clamping force plastic parts were deliberately not used.



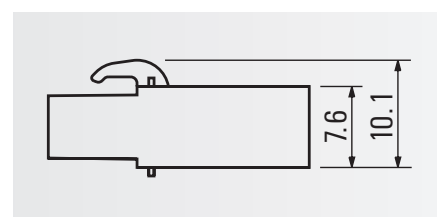
Female plug BLC 5.08

Cost effective and pre-assembled using a crimp connection

The BLC product family with crimp connections provides an affordable solution with pre-assembled female plugs that is also appropriate for large batch jobs. The contacts can be crimped by using hand tools or with a crimping machine in the factory when producing large batches.

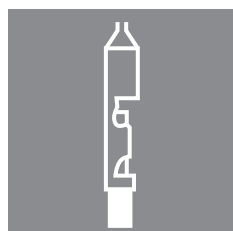
Minimal height

With a height of only 12.2 mm, the BLT is currently the smallest TOP connection available.



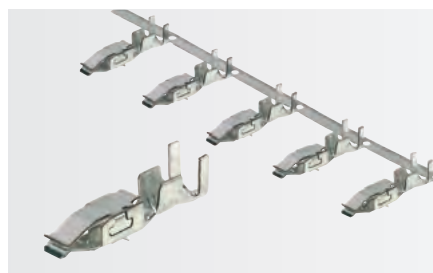
Effective and cost-effective

By using high performance metals, a costly over-spring on the tulip contact can be avoided. This cost saving is passed directly to the customer.



Process-compatible by default – economical processing

Delivery of the crimp contacts loose in bags, or as tape-packaged carrier strips. For the following conductor sizes: 0.22 to 0.35 mm², 0.50 to 1.00 mm², 1.50 to 2.50 mm².

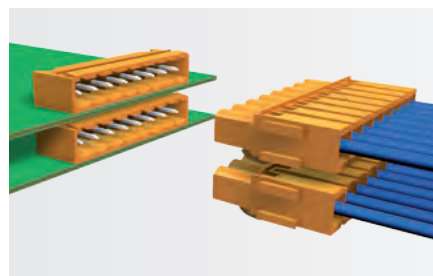


Flexible for a variety of applications

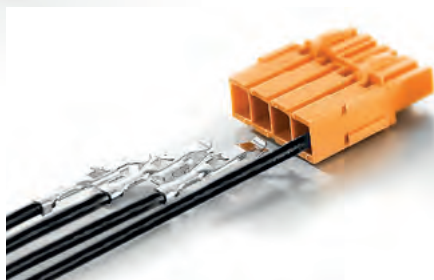
Affordable machine crimping or with hand tools in the field.

**High component density**

Screw terminals have a 90° angle between the directions of the cable entry and the screw. The required space must then be taken into account when designing the device. In the crimp connector system, however, the conductor insertion and operation is parallel to the circuit board.

**E****Safe to use with no-fault wiring:**

The crimp contact is crimped on a stripped wire and then snapped in to the female plug – and it's ready!



<http://www.OMNIMATE.net>

○ = Wire-to-Board

● = Board-to-Board

● = Wire-to-Wire

● = Board-to-Wire

Orientation

Male header

Solder connection

BL/SL 5.00 series

Levels		1	
Type		SL	SL
Orientation		90°	135°
Flange options		(O)/B	(O)/B
IEC / UL		IEC: 400 V/18 A UL: 300 V/15 A	IEC: 400 V/17 A UL: 300 V/15 A
Page		E.32	E.36

Female plug	 Screw: Clamping yoke		BLZP HC 180° (G)/F/LR	IEC: 400 V/19 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	E.40		
			BLZP HC 90° (G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	E.42		
			BLZP HC 270° (G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	E.44		
	 Spring: PUSH IN		BLF HC 180° (G)/F/LR	IEC: 400 V/20.5 A/0.2 - 2.5 mm ² UL: 300 V/10 A/AWG 26 - 12	E.46		
			BLF HC 90° (G)/F/LR	IEC: 400 V/20 A/ 0.2 - 2.5 mm ² UL: 300 V/10 A/ AWG 26 - 12	E.48		

Female plug and header:
(G)* = Closed (without flange)
F = Flange with screw
LR = Lock & Release lever
HC = High current

* not included in the article description

Male header and plug:
(O)* = open
B = Dovetail for fixing blocks with a nut
G = closed
F = Screw flange with nut
LF = Solder flange with nut
GLF = closed with additional solder flange
FLF = Flange with nut and additional solder flange
HC = High current

E.14 Weidmüller

1460680000 - 2014/2015

Male header


Solder connection


Reflow solder connection



1		2		1		1		2
SL	SLD	SLD	SL-SMT HC	SL-SMT HC	SL-SMaT HC	SL-SMaT HC	SLDV-THR	
180°	90°	180°	90°	180°	90°	180°	180°	180°
(O)/B	G	G	(O)/G/LF	(O)/G/LF	(O)	(O)	(O)	G/GLF/F/FLF
IEC: 400 V/18 A UL: 300 V/15 A	IEC: 400 V/11 A UL: 300 V/10 A	IEC: 400 V/11 A UL: 300 V/10 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/16.5 A UL: 300 V/15 A	IEC: 400 V/16.5 A UL: 300 V/15 A	IEC: 400 V/15 A UL: 300 V/10 A	IEC: 400 V/15 A UL: 300 V/10 A
E.34	E.38	E.39	E.22	E.26	E.66	E.67	E.30	
								
								
								
								
								

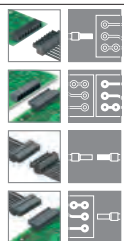
<http://www.OMNIMATE.net>

○ = Wire-to-Board

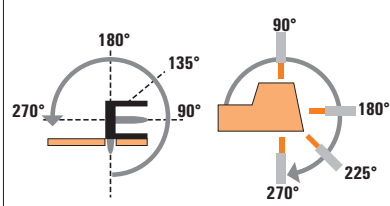
● = Board-to-Board

○ = Wire-to-Wire

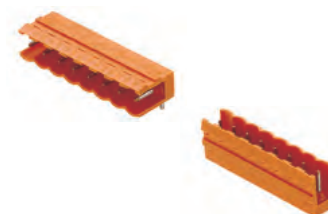
● = Board-to-Wire



Orientation



Solder connection



BL/SL 5.08 series, Part 1 of 3



Levels		1		
Type		SL HC	SL HC	
	Orientation	90°	180°	
	Flange options	(O)/G/B/F/LF	(O)/G/B/F/LF	
	IEC / UL	IEC: 400 V/24 A UL: 300 V/15 A	IEC: 400 V/24 A UL: 300 V/16 A	
	Page	E.72	E.76	

Female plug	Clamping yoke	Image	Type	Orientation	Flange options	IEC / UL	Page	SL HC	SL HC
Female plug	Clamping yoke		BLZP HC	180°	(G)/F/LR	IEC: 400 V/19 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	E.104	○	○
			BLZP HC	90°	(G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	E.106	○	○
			BLZP HC	270°	(G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	E.108	○	○
			BLZP HC	225°	(G)/F/LR	IEC: 400 V/17.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	E.110	○	○
	TOP		BLT HC	180°	(G)/F/LR/DF	IEC: 400 V/17 A/0.2 - 2.5 mm ² UL: 300 V/10 A/AWG 26 - 14	E.112	○	○
			BLZ QV	180°	(G)	IEC: 400 V/17.5 A/0.2 - 2.5 mm ² UL: 300 V/15 A/AWG 26 - 14	E.114	○	○
Female plug	Clamping yoke (twin connector)		BLDZ DN DeviceNet™	180°	(G)/F	IEC: 400 V/16 A/0.2 - 2.5 mm ² UL: 300 V/15 A/AWG 22 - 12	E.118	○	○
			BLDT	180°	(G)	IEC: 400 V/14 A/0.2 - 2.5 mm ² UL: 300 V/10 A/AWG 26 - 12	E.122	○	○
	Solder connection		BLL	90°	(G)/FI	IEC: 400 V/23 A UL: 300 V/15 A	E.134	●	●
			BLL	180°	(G)/B	IEC: 400 V/23 A UL: 300 V/15 A	E.136	●	●

Female plug and header:

(G)* = Closed (without flange)

F = Flange with screw

DF = Implementation

LR = Lock & Release lever

B = Dovetail for fixing blocks with a nut

FI = Inverted flange with nut

HC = High current

* not included in the article description

Male header



Solder connection



Reflow solder connection



	2				1		
	SLD	SLD	SLDV	SLDV	SL-SMT HC	SL-SMT HC	SL-SMT HC
	90°	180°	90°	180°	90°	180°	270°
	G	G	(O)/B	(O)/B	(O)/G/F/LF	(O)/G/F/LF	G/LF
	IEC: 400 V/11 A UL: 300 V/10 A	IEC: 400 V/14 A UL: 300 V/10 A	IEC: 400 V/17 A UL: 300 V/10 A	IEC: 400 V/17 A UL: 300 V/10 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/19 A UL: 300 V/15 A
	E.82	E.83	E.80	E.81	E.50	E.56	E.62
	○	○	○	○	○	○	○
			○	○	○	○	○
					○	○	○
	○	○			○	○	○
	○	○	○	○	○	○	○
	○	○	○	○	○	○	○
					○	○	○
					○	○	○
	●	●	●	●	●	●	●
	●	●	●	●	●	●	●

Male header and plug:

(O)* = open

B = Dovetail for fixing blocks with a nut

G = closed

F = Screw flange with nut

LF = Solder flange with nut

DF = Implementation

HC = High current

* not included in the article description

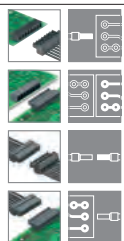
<http://www.OMNIMATE.net>

○ = Wire-to-Board

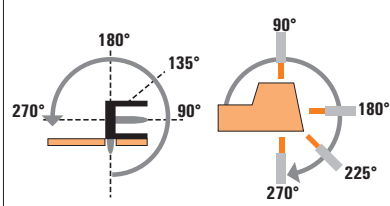
● = Board-to-Board

○ = Wire-to-Wire

● = Board-to-Wire



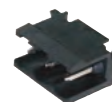
Orientation



Male header



Reflow solder connection



BL/SL 5.08 series Part 2 of 3



Levels		1	
Type		SL-SMaT HC	SL-SMaT HC
Orientation		90°	180°
Flange options		(0)	(0)
IEC / UL		IEC: 400 V/16.5 A UL: 300 V/15 A	IEC: 400 V/16.5 A UL: 300 V/15 A
Page		E.66	E.67

Female plug	Clamping yoke		BLZP HC	180°	(G)/F/LR	IEC: 400 V/19 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	E.104	○	○
			BLZP HC	90°	(G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	E.106	○	○
			BLZP HC	270°	(G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	E.108	○	○
			BLZP HC	225°	(G)/F/LR	IEC: 400 V/17.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	E.110	○	○
	TOP		BLT HC	180°	(G)/F/LR/DF	IEC: 400 V/17 A/0.2 - 2.5 mm ² UL: 300 V/10 A/AWG 26 - 14	E.112	○	○
			BLZ QV	180°	(G)	IEC: 400 V/17.5 A/0.2 - 2.5 mm ² UL: 300 V/15 A/AWG 26 - 14	E.114	○	○
			BLDZ DN DeviceNet™	180°	(G)/F	IEC: 400 V/16 A/0.2 - 2.5 mm ² UL: 300 V/15 A/AWG 22 - 12	E.118	○	○
Female header	Clamping yoke (twin connector)		BLDT	180°	(G)	IEC: 400 V/14 A/0.2 - 2.5 mm ² UL: 300 V/10 A/AWG 26 - 12	E.122	○	○
			BLL	90°	(G)/FI	IEC: 400 V/23 A UL: 300 V/15 A	E.134	●	●
	Solder connection		BLL	180°	(G)/B	IEC: 400 V/23 A UL: 300 V/15 A	E.136	●	●

Female plug and header:

(G)* = Closed (without flange)

F = Flange with screw

DF = Implementation

LR = Lock & Release lever

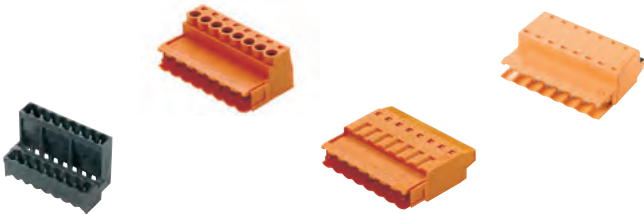
B = Dovetail for fixing blocks with a nut

FI = Inverted flange with nut

HC = High current

* not included in the article description

	Male plug		
	 Clamping yoke	 TOP	 PUSH IN



	2	1		1
	SLDV-THR	SLS	SLT	SLF
	180°	180°	180°	180°
	G/FLF	(O)/B/F/FI/DF	B/F/FI/DF	(O)/B/F/FI/DF
	IEC: 400 V/15 A UL: 300 V/10 A	IEC: 400 V/21.5 A/ 0.2 - 2.5 mm ² UL: 300 V/15 A/ AWG 26 - 12	IEC: 400 V/16 A/ 0.2 - 2.5 mm ² UL: 300 V/10 A/ AWG 26 - 12	IEC: 400 V/21.5 A/ 0.2 - 2.5 mm ² UL: 300 V/15 A/ AWG 26 - 12
	E.68	E.96	E.100	E.102
				
				
				
				
				
				
				
				
				
				

Male header and plug:

- (O)* = open
B = Dovetail for fixing blocks with a nut
G = closed

- F = Screw flange with nut
LF = Solder flange with nut
DF = Implementation

* not included in the article description

<http://www.OMNIMATE.net>

○

= Wire-to-Board

●

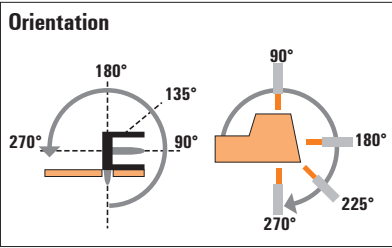
= Board-to-Board

●

= Wire-to-Wire

●

= Board-to-Wire



BL/SL 5.08 series Part 3 of 3



Levels		1	
Type		SL HC	SL HC
Orientation		90°	180°
Flange options		(O)/G/B/F/LF	(O)/G/B/F/LF
IEC / UL		IEC: 400 V/24 A UL: 300 V/15 A	IEC: 400 V/24 A UL: 300 V/16 A
Page		E.72	E.76

Female plug	PUSH IN		BLF HC	180°	(G)/F/LR/DF	IEC: 400 V/24 A/0.2 - 2.5 mm ² UL: 300 V/16 A/AWG 12 - AWG 26	E.124	○	○
			BLF HC	90°	(G)/F/LR	IEC: 400 V/24 A/0.2 - 2.5 mm ² UL: 300 V/16 A/AWG 12 - AWG 26	E.126	○	○
			BLF HC	270°	(G)/F/LR	IEC: 400 V/24 A/0.2 - 2.5 mm ² UL: 300 V/16 A/AWG 12 - AWG 26	E.128	○	○
	PUSH IN (twin connector)		BLDF	180°	(G)/F/LR	IEC: 400 V/26.1 A/0.2 - 2.5 mm ² UL: 300 V/10 A/AWG 26-12	E.130	○	○
	Crimp		BLC	180°	(G)/B	IEC: 400 V/21 A UL: 300 V/10 A	E.132	○	○

Female plug and header:

(G)* = Closed (without flange)

F = Flange with screw

LR = Lock & Release lever

DF = Implementation

B = Dovetail for fixing blocks with a nut

HC = High current

* not included in the article description

Male header				Male plug
 Solder connection				 Reflow solder connection
 PUSH IN				



	2				1			1		2	1
	SLD	SLD	SLDV	SLDV	SL-SMT HC	SL-SMT HC	SL-SMT HC	SL-SMarT HC	SL-SMarT HC	SLDV-THR	SLF
	90°	180°	90°	180°	90°	180°	270°	90°	180°	180°	180°
	G	G	(O)/B	(O)/B	(O)/G/F/LF	(O)/G/F/LF	G/LF	(O)	(O)	G/FLF	B/F/FL/DF
	IEC: 400 V/11 A UL: 300 V/10 A	IEC: 400 V/14 A UL: 300 V/10 A	IEC: 400 V/17 A UL: 300 V/10 A	IEC: 400 V/17 A UL: 300 V/10 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/19 A UL: 300 V/15 A	IEC: 400 V/16.5 A UL: 300 V/15 A	IEC: 400 V/16.5 A UL: 300 V/15 A	IEC: 400 V/15 A UL: 300 V/10 A	IEC: 400 V/21.5 A/ 0.2 - 2.5 mm ² UL: 300 V/15 A/ AWG 26 - 12
	E.82	E.83	E.80	E.81	E.50	E.56	E.62	E.66	E.67	E.68	E.90
	○	○	○	○	○	○	○	○	○	○	●
			○	○	○	○	○	○	○	○	●
					○	○	○	○	○		●
	○	○	○	○	○	○	○	○	○	○	●
	○	○	○	○	○	○	○	○	○	○	●

Male header and plug:

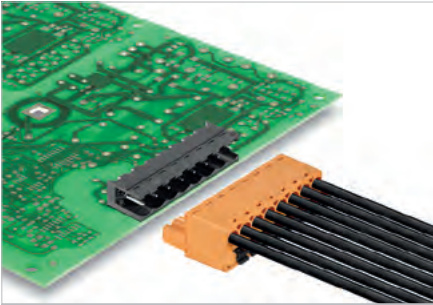
- (O)* = open
B = Dovetail for fixing blocks with a nut
G = closed

- F = Screw flange with nut
LF = Solder flange with nut
FLF = Flange with nut and additional solder flange

- HC = High current
* not included in the article description

Connectors in 5.00 mm pitch
Series BL/SL 5.00

SL-SMT 5.00HC../90



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- Packed either in box (BX) or an anti-static roll (tape-on-reel, RL)
- The 1.5 mm solder pin reduces the solder paste to a minimum without losing holding force to the PCB.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	19	16	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.5		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 19 A
UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

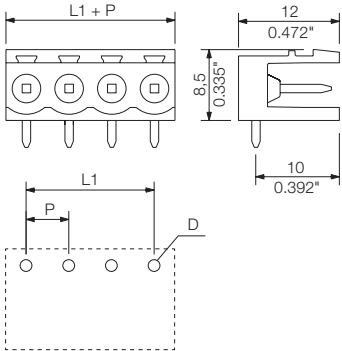
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4±0.1mm
- Diameter of solder eyelet D = 1.5±0.1mm from 9-pole
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.00HC../90 Box

Packaged in box



Dimensioned drawing



Ordering data

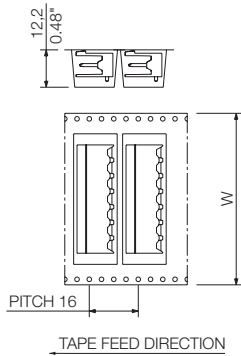
Solder pin length				1.5 mm		3.2 mm	
Colour				Black		Black	
Pitch				5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	5.00	0.197	100	1796930000	1839890000		
3	10.00	0.394	100	1796940000	1839900000		
4	15.00	0.591	100	1796950000	1839910000		
5	20.00	0.787	50	1796960000	1839920000		
6	25.00	0.984	50	1796970000	1839930000		
7	30.00	1.181	50	1796980000	1839940000		
8	35.00	1.378	50	1796990000	1839950000		
9	40.00	1.575	50	1797000000	1839960000		
10	45.00	1.772	50	1797010000	1839970000		
11	50.00	1.969	50	1797020000	1839980000		
12	55.00	2.165	50	1797030000	1839990000		
13	60.00	2.362	50	1797040000	1840000000		
14	65.00	2.559	50	1797050000	1840010000		
15	70.00	2.756	50	1797060000	1840020000		
16	75.00	2.953	50	1797070000	1840030000		
17	80.00	3.150	20		1840040000		
18	85.00	3.346	20		1840050000		
19	90.00	3.543	20		1840060000		
20	95.00	3.740	20		1840070000		
21	100.00	3.937	20		1840080000		
22	105.00	4.134	20		1840090000		
23	110.00	4.331	20		1840100000		
24	115.00	4.528	20		1840110000		

SL-SMT 5.00HC/./90 Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm
Colour				Black
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	350	1797620000
3	10.00	0.394	350	1797630000
4	15.00	0.591	350	1797640000
5	20.00	0.787	350	1797650000
6	25.00	0.984	350	1797660000
7	30.00	1.181	350	1797670000
8	35.00	1.378	350	1797680000

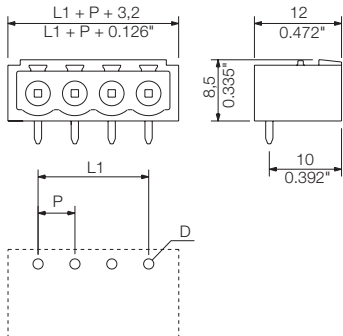
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.00HC/./90G Box

Packaged in box



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm		3.2 mm	
Colour				Black		Black	
Pitch				5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	5.00	0.197	100	1797080000	1840120000		
3	10.00	0.394	100	1797090000	1840130000		
4	15.00	0.591	100	1797100000	1840140000		
5	20.00	0.787	50	1797110000	1840150000		
6	25.00	0.984	50	1797120000	1840160000		
7	30.00	1.181	50	1797130000	1840170000		
8	35.00	1.378	50	1797140000	1840180000		
9	40.00	1.575	50	1797150000	1840190000		
10	45.00	1.772	50	1797160000	1840200000		
11	50.00	1.969	50	1797170000	1840210000		
12	55.00	2.165	50	1797180000	1840220000		
13	60.00	2.362	50	1797190000	1840230000		
14	65.00	2.559	50	1797200000	1840240000		
15	70.00	2.756	50	1797210000	1840250000		
16	75.00	2.953	50	1797220000	1840260000		
17	80.00	3.150	20		1840270000		
18	85.00	3.346	20		1840280000		
19	90.00	3.543	20		1840290000		
20	95.00	3.740	20		1840300000		
21	100.00	3.937	20		1840310000		
22	105.00	4.134	20		1840320000		
23	110.00	4.331	20		1840330000		
24	115.00	4.528	20		1840340000		

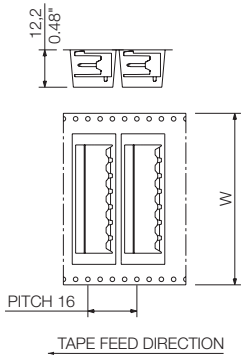
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.00HC/./90G Tape

Tape-on-reel



Dimensioned drawing



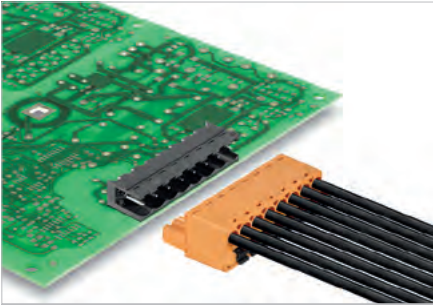
Ordering data

Solder pin length				1.5 mm
Colour				Black
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	350	1797690000
3	10.00	0.394	350	1797700000
4	15.00	0.591	350	1797710000
5	20.00	0.787	350	1797720000
6	25.00	0.984	350	1797730000
7	30.00	1.181	350	1797740000

Tape widths: 32, 44, 56, 72, 88

Connectors in 5.00 mm pitch
Series BL/SL 5.00

SL-SMT 5.00HC/./90



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- Packed either in box (BX) or an anti-static roll (tape-on-reel, RL)
- The 1.5 mm solder pin reduces the solder paste to a minimum without losing holding force to the PCB.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	19	16	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG			
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG			
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.5		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 19 A
UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

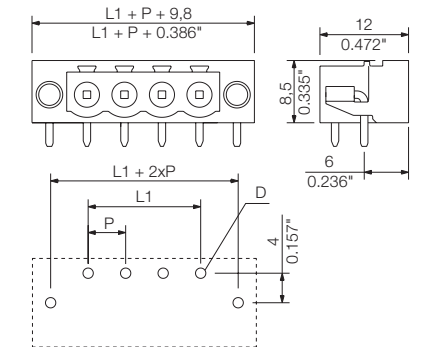
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.00HC/./90LF Box

Packed in box; with solder flange



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm		3.2 mm	
Colour				Black		Black	
Pitch				5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	5.00	0.197	100	1797230000	1840350000		
3	10.00	0.394	100	1797240000	1840360000		
4	15.00	0.591	100	1797250000	1840370000		
5	20.00	0.787	50	1797260000	1840380000		
6	25.00	0.984	50	1797270000	1840390000		
7	30.00	1.181	50	1797280000	1840400000		
8	35.00	1.378	50	1797290000	1840410000		
9	40.00	1.575	50	1797300000	1840420000		
10	45.00	1.772	50	1797310000	1840430000		
11	50.00	1.969	50	1797320000	1840440000		
12	55.00	2.165	50	1797330000	1840450000		
13	60.00	2.362	50	1797340000	1840460000		
14	65.00	2.559	50	1797350000	1840470000		
15	70.00	2.756	50	1797360000	1840480000		
16	75.00	2.953	50	1797370000	1840490000		
17	80.00	3.150	20		1840500000		
18	85.00	3.346	20		1840510000		
19	90.00	3.543	20		1840520000		
20	95.00	3.740	20		1840530000		
21	100.00	3.937	20		1840540000		
22	105.00	4.134	20		1840550000		
23	110.00	4.331	20		1840560000		
24	115.00	4.528	20		1840570000		

Accessories

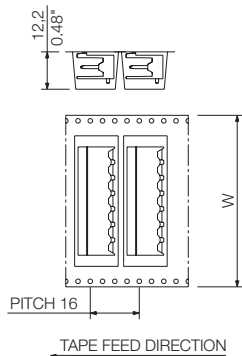
Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000
LED light guide		
	SL FLA 1.5/1	1580100000
	SL FLA 2,3/1	1636670000
	SL FLA 2,3/24	1636680000
	SL FLA 3.8/1	1580110000
	SL FLA 9.0/1	1580120000

SL-SMT 5.00HC/..90LF Tape

Tape-on-reel; with solder flange



Dimensioned drawing



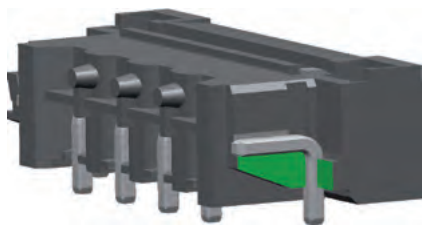
Ordering data

Solder pin length		1.5 mm		
Colour		Black		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	350	1797750000
3	10.00	0.394	350	1797760000
4	15.00	0.591	350	1797770000
5	20.00	0.787	350	1797780000
6	25.00	0.984	350	1797790000

Tape widths: 32, 44, 56, 72, 88

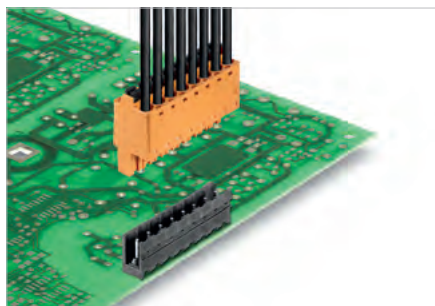
Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers. The disadvantages are additional process steps that make the PCB mounting complex and cost intensive. The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header. This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



Connectors in 5.00 mm pitch
Series BL/SL 5.00

SL-SMT 5.00HC../180



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- Packed either in box (BX) or an anti-static roll (tape-on-reel, RL)
- The 1.5 mm solder pin reduces the solder paste to a minimum without losing holding force to the PCB.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	19	16	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG			
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG			
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 19 A

UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

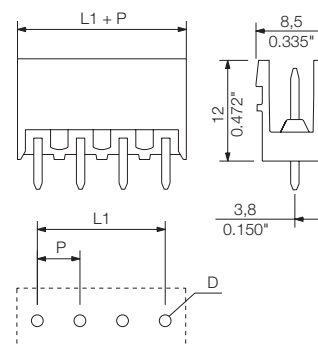
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4±0.1mm
- Diameter of solder eyelet D = 1.5±0.1mm from 9-pole
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.00HC../180 Box

Packaged in box



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Partition element	
SL AT OR	1598300000
SL AT SW	1770240000

Ordering data

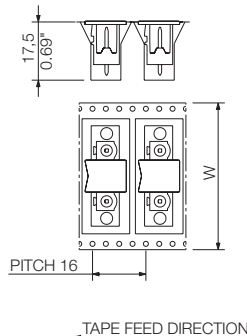
Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch 5.00 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	100	1796480000	1840920000
3	10.00	0.394	100	1796490000	1840930000
4	15.00	0.591	100	1796500000	1840940000
5	20.00	0.787	50	1796510000	1840950000
6	25.00	0.984	50	1796520000	1840960000
7	30.00	1.181	50	1796530000	1840970000
8	35.00	1.378	50	1796540000	1840980000
9	40.00	1.575	50	1796550000	1840990000
10	45.00	1.772	50	1796560000	1841000000
11	50.00	1.969	50	1796570000	1841020000
12	55.00	2.165	50	1796580000	1841030000
13	60.00	2.362	50	1796590000	1841040000
14	65.00	2.559	50	1796600000	1841050000
15	70.00	2.756	50	1796610000	1841060000
16	75.00	2.953	50	1796620000	1841070000
17	80.00	3.150	20		1841080000
18	85.00	3.346	20		1841090000
19	90.00	3.543	20		1841100000
20	95.00	3.740	20		1841110000
21	100.00	3.937	20		1841120000
22	105.00	4.134	20		1841130000
23	110.00	4.331	20		1841140000
24	115.00	4.528	20		1841150000

SL-SMT 5.00HC/./180 Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm		
Colour		Black		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	250	1797800000
3	10.00	0.394	250	1797810000
4	15.00	0.591	250	1797820000
5	20.00	0.787	250	1797830000
6	25.00	0.984	250	1797840000
7	30.00	1.181	250	1797850000
8	35.00	1.378	250	1797860000

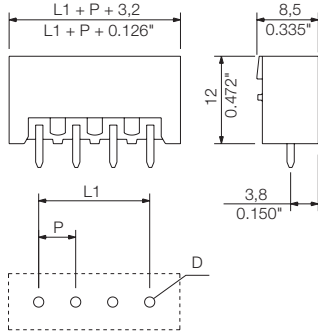
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.00HC/./180G Box

Packaged in box



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm	3.2 mm		
Colour		Black	Black		
Pitch	5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	100	1796630000	1841160000
3	10.00	0.394	100	1796640000	1841170000
4	15.00	0.591	100	1796650000	1841180000
5	20.00	0.787	50	1796660000	1841190000
6	25.00	0.984	50	1796670000	1841200000
7	30.00	1.181	50	1796680000	1841210000
8	35.00	1.378	50	1796690000	1841220000
9	40.00	1.575	50	1796700000	1841230000
10	45.00	1.772	50	1796710000	1841240000
11	50.00	1.969	50	1796720000	1841250000
12	55.00	2.165	50	1796730000	1841260000
13	60.00	2.362	50	1796740000	1841270000
14	65.00	2.559	50	1796750000	1841280000
15	70.00	2.756	50	1796760000	1841290000
16	75.00	2.953	50	1796770000	1841300000
17	80.00	3.150	20		1841310000
18	85.00	3.346	20		1841320000
19	90.00	3.543	20		1841330000
20	95.00	3.740	20		1841340000
21	100.00	3.937	20		1841350000
22	105.00	4.134	20		1841360000
23	110.00	4.331	20		1841370000
24	115.00	4.528	20		1841380000

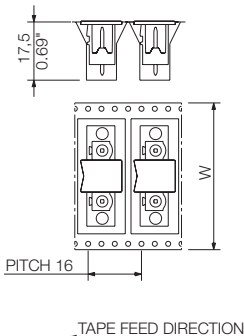
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.00HC/./180G Tape

Tape-on-reel



Dimensioned drawing



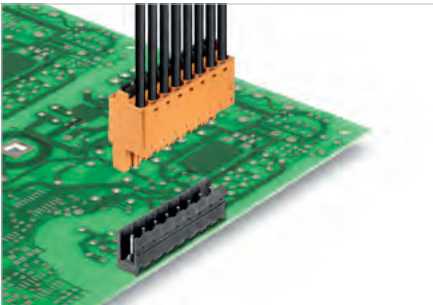
Ordering data

Solder pin length		1.5 mm		
Colour		Black		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	250	1797870000
3	10.00	0.394	250	1797880000
4	15.00	0.591	250	1797890000
5	20.00	0.787	250	1797900000
6	25.00	0.984	250	1797910000
7	30.00	1.181	250	1797920000
8	35.00	1.378	205	1110720000

Tape widths: 32, 44, 56, 72, 88

Connectors in 5.00 mm pitch
Series BL/SL 5.00

SL-SMT 5.00HC/./180



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- Packed either in box (BX) or an anti-static roll (tape-on-reel, RL)
- The 1.5 mm solder pin reduces the solder paste to a minimum without losing holding force to the PCB.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	19	16
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.5	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 19 A
UL: 300 V / 15 A



For additional articles and information, refer to
catalog.weidmueller.com

Note:

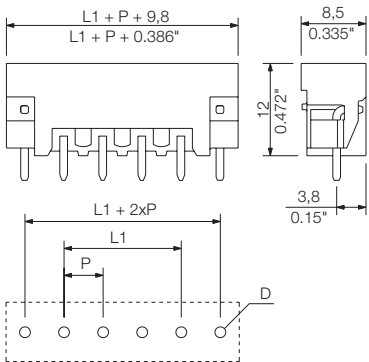
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.00HC/./180LF Box

Packed in box; with solder flange



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	100	1796780000	1841390000
3	10.00	0.394	100	1796790000	1841400000
4	15.00	0.591	100	1796800000	1841410000
5	20.00	0.787	50	1796810000	1841420000
6	25.00	0.984	50	1796820000	1841430000
7	30.00	1.181	50	1796830000	1841440000
8	35.00	1.378	50	1796840000	1841450000
9	40.00	1.575	50	1796850000	1841460000
10	45.00	1.772	50	1796860000	1841470000
11	50.00	1.969	50	1796870000	1841480000
12	55.00	2.165	50	1796880000	1841490000
13	60.00	2.362	50	1796890000	1841500000
14	65.00	2.559	50	1796900000	1841510000
15	70.00	2.756	50	1796910000	1841520000
16	75.00	2.953	50	1796920000	1841530000
17	80.00	3.150	20		1841540000
18	85.00	3.346	20		1841550000
19	90.00	3.543	20		1841560000
20	95.00	3.740	20		1841570000
21	100.00	3.937	20		1841580000
22	105.00	4.134	20		1841590000
23	110.00	4.331	20		1841600000
24	115.00	4.528	20		1841610000

Accessories

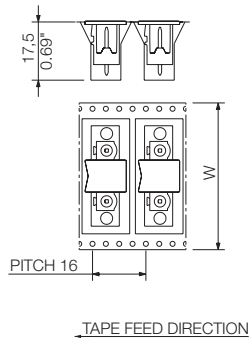
Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000

SL-SMT 5.00HC/./180LF Tape

Tape-on-reel; with solder flange



Dimensioned drawing



Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers. The disadvantages are additional process steps that make the PCB mounting complex and cost intensive. The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header. This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



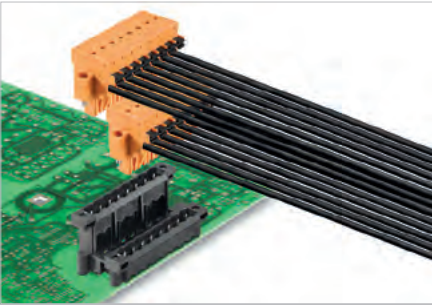
Ordering data

Solder pin length		1.5 mm		
Colour		Black		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	250	1797930000
3	10.00	0.394	250	1797940000
4	15.00	0.591	250	1797950000
5	20.00	0.787	250	1797960000
6	25.00	0.984	250	1797970000

Tape widths: 32, 44, 56, 72, 88

Connectors in 5.00 mm pitch
Series BL/SL 5.00

SLDV-THR 5.00/./180



Double-level, 180° male header, optimised for the SMT process. The connection levels are offset and designed for a female plug with screw connection or “PUSH IN” wire connect. The male headers can be manually coded or ordered as pre-coded headers.

- Available in closed (G), with solder Flange (GLF), screw flange (F) or screw & solder flange (FLF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The 1.5 mm solder pin reduces the solder paste to a minimum without losing holding force to the PCB.
- The FLF version is featured with a soldering flange and an additional screw-fastening possibility to the PCB.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	15	13
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.5	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 15 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

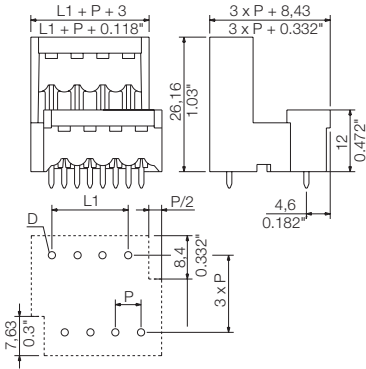
- Note:**
- Rated current related to rated cross-section & min. No. of poles.
 - Spacing between rows: see hole layout
 - P on drawing = pitch
 - Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLDV-THR 5.00/./180G

without solder flange



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm		3.2 mm	
Colour				Black		Black	
Pitch 5.00 mm							
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
4	5.00	0.197	50	1894980000	1882690000		
6	10.00	0.394	50	1894990000	1882700000		
8	15.00	0.591	50	1895000000	1862370000		
10	20.00	0.787	50	1895010000	1882710000		
12	25.00	0.984	50	1895020000	1882720000		
14	30.00	1.181	20	1895030000	1882730000		
16	35.00	1.378	20	1895040000	1862380000		
18	40.00	1.575	20	1895050000	1882740000		
20	45.00	1.772	20	1895060000	1862390000		
22	50.00	1.969	10	1895070000	1882750000		
24	55.00	2.165	10	1895080000	1882760000		
26	60.00	2.362	10	1895090000	1882770000		
28	65.00	2.559	10	1895100000	1882780000		
30	70.00	2.756	10	1895110000	1882790000		
32	75.00	2.953	10	1895120000	1882800000		
34	80.00	3.150	10	1895130000	1882810000		
36	85.00	3.346	10	1895140000	1882820000		
38	90.00	3.543	10	1895150000	1882830000		
40	95.00	3.740	10	1895180000	1862400000		
42	100.00	3.937	10	1895190000	1882840000		
44	105.00	4.134	10	1895200000	1882850000		
46	110.00	4.331	10	1895210000	1882860000		
48	115.00	4.528	10	1895220000	1882870000		

Accessories

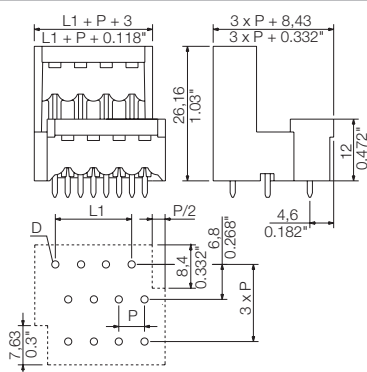
Note: Refer to the Accessories chapter for additional accessories.		
Coding	Order No.	
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000

SLDV-THR 5.00../180GLF

with solder flange



Dimensioned drawing



Ordering data

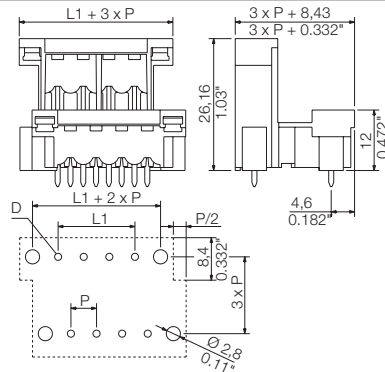
Solder pin length		1.5 mm	3.2 mm
Colour		Black	Black
Pitch		5.00 mm	
Pol.	L1 (inch)	Qty.	Order No.
4	5.00	0.197 50	1911750000 1911290000
6	10.00	0.394 50	1911760000 1911310000
8	15.00	0.591 50	1911770000 1911320000
10	20.00	0.787 50	1911780000 1911330000
12	25.00	0.984 50	1911790000 1911340000
14	30.00	1.181 20	1911800000 1911350000
16	35.00	1.378 20	1911810000 1911360000
18	40.00	1.575 20	1911820000 1911370000
20	45.00	1.772 20	1911830000 1911410000
22	50.00	1.969 10	1911840000 1911470000
24	55.00	2.165 10	1911850000 1911500000
26	60.00	2.362 10	1911860000 1911520000
28	65.00	2.559 10	1911870000 1911550000
30	70.00	2.756 10	1911880000 1911640000
32	75.00	2.953 10	1911890000 1911650000
34	80.00	3.150 10	1911900000 1911660000
36	85.00	3.346 10	1911910000 1911670000
38	90.00	3.543 10	1911920000 1911680000
40	95.00	3.740 10	1911930000 1911690000
42	100.00	3.937 10	1911940000 1911710000
44	105.00	4.134 10	1911950000 1911720000
46	110.00	4.331 10	1911960000 1911730000
48	115.00	4.528 10	1911970000 1911740000

SLDV-THR 5.00../180F

without solder flange



Dimensioned drawing



Ordering data

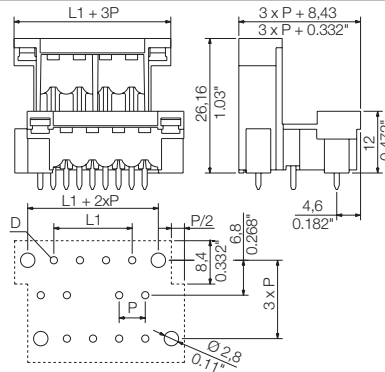
Solder pin length		1.5 mm	3.2 mm
Colour		Black	Black
Pitch		5.00 mm	
Pol.	L1 (inch)	Qty.	Order No.
4	5.00	0.197 50	1895230000 1882930000
6	10.00	0.394 50	1895240000 1882940000
8	15.00	0.591 50	1895250000 1882950000
10	20.00	0.787 50	1895260000 1882960000
12	25.00	0.984 50	1895270000 1882970000
14	30.00	1.181 20	1895280000 1882980000
16	35.00	1.378 20	1895290000 1882990000
18	40.00	1.575 20	1895300000 1883000000
20	45.00	1.772 20	1895310000 1883010000
22	50.00	1.969 10	1895320000 1883020000
24	55.00	2.165 10	1895330000 1883030000
26	60.00	2.362 10	1895340000 1883040000
28	65.00	2.559 10	1895350000 1883050000
30	70.00	2.756 10	1895360000 1883060000
32	75.00	2.953 10	1895370000 1883070000
34	80.00	3.150 10	1895380000 1883080000
36	85.00	3.346 10	1895390000 1883090000
38	90.00	3.543 10	1895400000 1883100000
40	95.00	3.740 10	1895410000 1883110000
42	100.00	3.937 10	1895420000 1883120000
44	105.00	4.134 10	1895430000 1883130000
46	110.00	4.331 10	1895440000 1883140000
48	115.00	4.528 10	1895450000 1883150000

SLDV-THR 5.00../180FLF

with solder flange



Dimensioned drawing

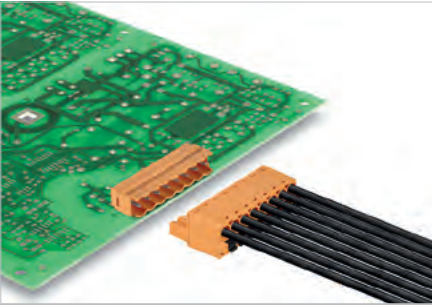


Ordering data

Solder pin length		1.5 mm	3.2 mm
Colour		Black	Black
Pitch		5.00 mm	
Pol.	L1 (inch)	Qty.	Order No.
4	5.00	0.197 50	1895460000 1883160000
6	10.00	0.394 50	1895470000 1883170000
8	15.00	0.591 50	1895480000 1883180000
10	20.00	0.787 50	1895490000 1883190000
12	25.00	0.984 50	1895500000 1883200000
14	30.00	1.181 20	1895510000 1883210000
16	35.00	1.378 20	1895520000 1883220000
18	40.00	1.575 20	1895530000 1883230000
20	45.00	1.772 20	1895540000 1883240000
22	50.00	1.969 10	1895550000 1883250000
24	55.00	2.165 10	1895560000 1883260000
26	60.00	2.362 10	1895570000 1883270000
28	65.00	2.559 10	1895580000 1883280000
30	70.00	2.756 10	1895590000 1883290000
32	75.00	2.953 10	1895600000 1883300000
34	80.00	3.150 10	1895610000 1883310000
36	85.00	3.346 10	1895620000 1883320000
38	90.00	3.543 10	1895630000 1883330000
40	95.00	3.740 10	1895640000 1883340000
42	100.00	3.937 10	1895650000 1883350000
44	105.00	4.134 10	1895660000 1883360000
46	110.00	4.331 10	1895670000 1883370000
48	115.00	4.528 10	1895680000 1883380000

Connectors in 5.00 mm pitch
Series BL/SL 5.00

SL 5.00/./90



Male headers with 90° orientation, optimised for wave soldering. Available in versions with either open or closed ends (B). Mounting blocks can be attached into the closed variants. The blocks can be used to screw on to the female plug of the circuit board. The male headers can be manually coded or ordered as pre-coded headers.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	18	15	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 18 A
UL: 300 V / 15 A



For additional articles and information, refer to
catalog.weidmüller.com

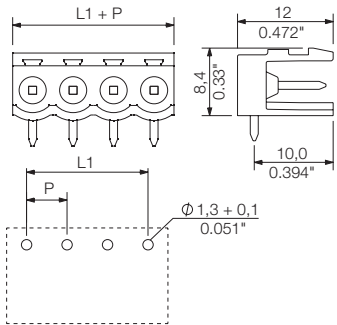
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 5.00/./90



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000
LED light guide		
	SL FLA 1.5/1	1580100000
	SL FLA 2,3/1	1636670000
	SL FLA 2,3/24	1636680000
	SL FLA 3.8/1	1580110000
	SL FLA 9.0/1	1580120000
Mounting block		
	SLA BB11R OR	1604120000
	SLA BB11R SW	1692340000

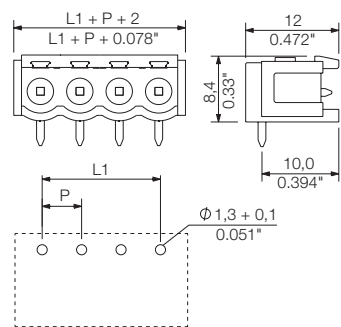
Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1571130000
3	10.00	0.394	100	1571140000
4	15.00	0.591	100	1571150000
5	20.00	0.787	50	1571160000
6	25.00	0.984	50	1571170000
7	30.00	1.181	50	1571180000
8	35.00	1.378	50	1571190000
9	40.00	1.575	50	1571200000
10	45.00	1.772	50	1571210000
11	50.00	1.969	50	1571220000
12	55.00	2.165	50	1571110000
13	60.00	2.362	50	1571230000
14	65.00	2.559	50	1571240000
15	70.00	2.756	50	1571250000
16	75.00	2.953	50	1571260000
17	80.00	3.150	20	1571270000
18	85.00	3.346	20	1571280000
19	90.00	3.543	20	1571290000
20	95.00	3.740	20	1571300000
21	100.00	3.937	20	1571310000
22	105.00	4.134	20	1571320000
23	110.00	4.331	20	1571330000
24	115.00	4.528	20	1571340000

SL 5.00/..90B



Dimensioned drawing

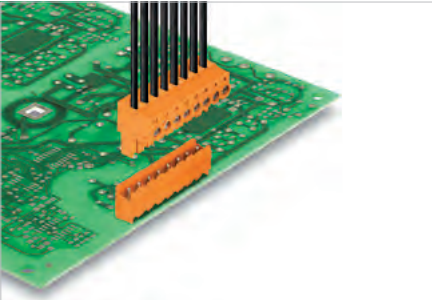


Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1580860000
3	10.00	0.394	100	1580870000
4	15.00	0.591	100	1580880000
5	20.00	0.787	50	1580890000
6	25.00	0.984	50	1580900000
7	30.00	1.181	50	1580910000
8	35.00	1.378	50	1580920000
9	40.00	1.575	50	1580930000
10	45.00	1.772	50	1580940000
11	50.00	1.969	50	1580950000
12	55.00	2.165	50	1580960000
13	60.00	2.362	50	1580970000
14	65.00	2.559	50	1580980000
15	70.00	2.756	50	1580990000
16	75.00	2.953	50	1581000000
17	80.00	3.150	20	1581010000
18	85.00	3.346	20	1581020000
19	90.00	3.543	20	1581030000
20	95.00	3.740	20	1581040000
21	100.00	3.937	20	1581050000
22	105.00	4.134	20	1581060000
23	110.00	4.331	20	1581070000
24	115.00	4.528	20	1581080000

Connectors in 5.00 mm pitch
Series BL/SL 5.00

SL 5.00/./180



Male headers with 180° wire outlet, optimised for wave soldering. Available in versions with either open or closed ends (B). Mounting blocks can be attached onto the closed variants. The blocks can be used to screw on to the female plug of the circuit board. The male headers can be manually coded or ordered as pre-coded headers.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	18	15	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 18 A
UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmueller.com

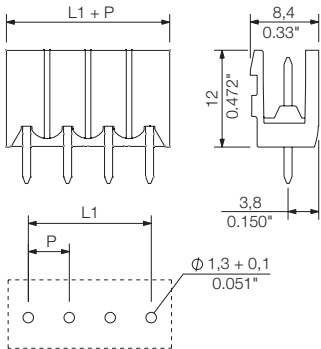
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 5.00/./180



Dimensioned drawing



Ordering data

Solder pin length				3.2 mm
Colour				Orange
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1581320000
3	10.00	0.394	100	1581330000
4	15.00	0.591	100	1581340000
5	20.00	0.787	50	1581350000
6	25.00	0.984	50	1581360000
7	30.00	1.181	50	1581370000
8	35.00	1.378	50	1581380000
9	40.00	1.575	50	1581390000
10	45.00	1.772	50	1581400000
11	50.00	1.969	50	1581410000
12	55.00	2.165	50	1581420000
13	60.00	2.362	50	1581430000
14	65.00	2.559	50	1581440000
15	70.00	2.756	50	1581450000
16	75.00	2.953	50	1581460000
17	80.00	3.150	20	1581470000
18	85.00	3.346	20	1581480000
19	90.00	3.543	20	1581490000
20	95.00	3.740	20	1581500000
21	100.00	3.937	20	1581510000
22	105.00	4.134	20	1581520000
23	110.00	4.331	20	1581530000
24	115.00	4.528	20	1581540000

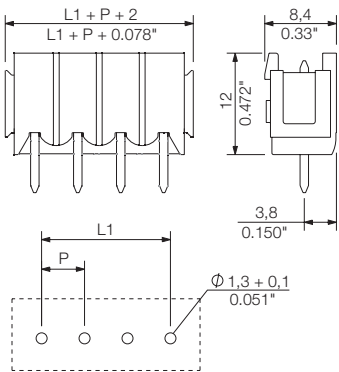
Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding	Order No.	
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000
Mounting block		
	SLA BB11R OR	1604120000
	SLA BB11R SW	1692340000

SL 5.00/./180B



Dimensioned drawing

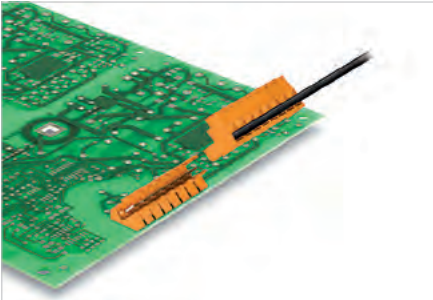


Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1581780000
3	10.00	0.394	100	1581790000
4	15.00	0.591	100	1581800000
5	20.00	0.787	50	1581810000
6	25.00	0.984	50	1581820000
7	30.00	1.181	50	1581830000
8	35.00	1.378	50	1581840000
9	40.00	1.575	50	1581850000
10	45.00	1.772	50	1581860000
11	50.00	1.969	50	1581870000
12	55.00	2.165	50	1581880000
13	60.00	2.362	50	1581890000
14	65.00	2.559	50	1581900000
15	70.00	2.756	50	1581910000
16	75.00	2.953	50	1581920000
17	80.00	3.150	20	1581930000
18	85.00	3.346	20	1581940000
19	90.00	3.543	20	1581950000
20	95.00	3.740	20	1581960000
21	100.00	3.937	20	1581970000
22	105.00	4.134	20	1581980000
23	110.00	4.331	20	1581990000
24	115.00	4.528	20	1582000000

Connectors in 5.00 mm pitch
Series BL/SL 5.00

SL 5.00/./135



Male headers with 135° wire outlet, optimised for wave soldering. Available in versions with either open or closed ends (B). Mounting blocks can be attached onto the closed variants. The blocks can be used to screw on to the female plug of the circuit board. The male headers can be manually coded or ordered as pre-coded headers.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17	15	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG			
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG			
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 17 A
UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmueller.com

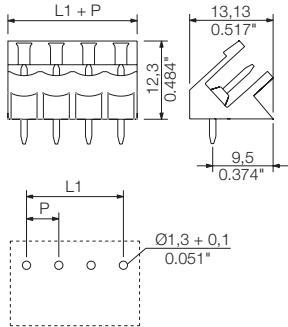
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 5.00/./135



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000
Mounting block		
	SL 135 BB15R OR	1606450000
	SL 135 BB15R SW	1636370000

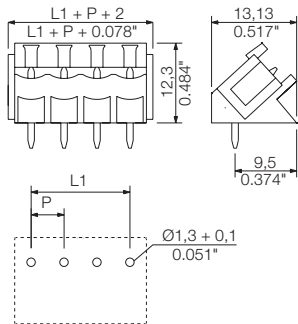
Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1630250000
3	10.00	0.394	100	1630260000
4	15.00	0.591	100	1630270000
5	20.00	0.787	50	1630280000
6	25.00	0.984	50	1630290000
7	30.00	1.181	50	1630300000
8	35.00	1.378	50	1630310000
9	40.00	1.575	50	1630320000
10	45.00	1.772	50	1630330000
11	50.00	1.969	50	1630340000
12	55.00	2.165	50	1630350000
13	60.00	2.362	50	1630360000
14	65.00	2.559	50	1630370000
15	70.00	2.756	50	1630380000
16	75.00	2.953	50	1630390000
17	80.00	3.150	20	1630400000
18	85.00	3.346	20	1630410000
19	90.00	3.543	20	1630420000
20	95.00	3.740	20	1630430000
21	100.00	3.937	20	1630440000
22	105.00	4.134	20	1630450000
23	110.00	4.331	20	1630460000
24	115.00	4.528	20	1630470000

SL 5.00/..../135B



Dimensioned drawing

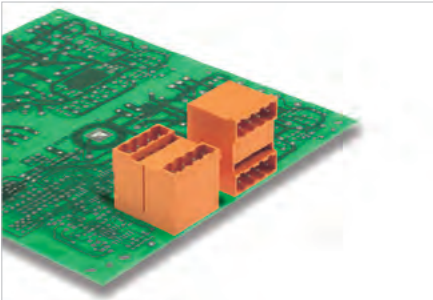


Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	100	1630480000
3	10.00	0.394	100	1630490000
4	15.00	0.591	100	1630500000
5	20.00	0.787	50	1630510000
6	25.00	0.984	50	1630520000
7	30.00	1.181	50	1630530000
8	35.00	1.378	50	1630540000
9	40.00	1.575	50	1630550000
10	45.00	1.772	50	1630560000
11	50.00	1.969	50	1630570000
12	55.00	2.165	50	1630580000
13	60.00	2.362	50	1630590000
14	65.00	2.559	50	1630600000
15	70.00	2.756	50	1630610000
16	75.00	2.953	50	1630620000
17	80.00	3.150	20	1630630000
18	85.00	3.346	20	1630640000
19	90.00	3.543	20	1630650000
20	95.00	3.740	20	1630660000
21	100.00	3.937	20	1630670000
22	105.00	4.134	20	1630680000
23	110.00	4.331	20	1630690000
24	115.00	4.528	20	1630700000

Connectors in 5.00 mm pitch
Series BL/SL 5.00

SLD 5.00/./90 & 180



Double-level male header optimised for wave soldering. The connections are at the same level – with access that is flush over the front board. The male headers can be manually coded or ordered as pre-coded headers.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	11	9.5	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 11 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

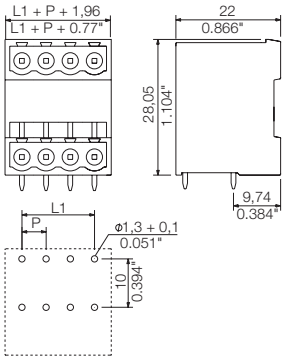
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLD 5.00/./90G



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch	5.00 mm		Qty.	Order No.
Pol.	L1	(inch)		
4	5.00	0.197	50	1614350000
6	10.00	0.394	50	1614360000
8	15.00	0.591	50	1614370000
10	20.00	0.787	50	1614380000
12	25.00	0.984	50	1614390000
14	30.00	1.181	20	1614400000
16	35.00	1.378	20	1614410000
18	40.00	1.575	20	1614420000
20	45.00	1.772	20	1614430000
22	50.00	1.969	10	1614440000
24	55.00	2.165	10	1614450000
26	60.00	2.362	10	1614460000
28	65.00	2.559	10	1614470000
30	70.00	2.756	10	1614480000
32	75.00	2.953	10	1614490000
34	80.00	3.150	10	1614500000
36	85.00	3.346	10	1614510000
38	90.00	3.543	10	1614520000
40	95.00	3.740	10	1614530000
42	100.00	3.937	10	1614540000
44	105.00	4.134	10	1614550000
46	110.00	4.331	10	1614560000
48	115.00	4.528	10	1614570000

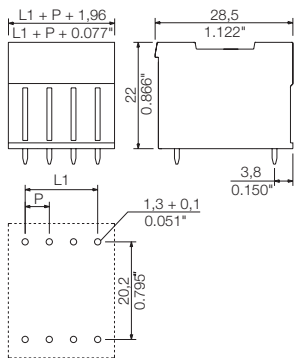
Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000

SLD 5.00/./180G



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	50	1614810000
6	10.00	0.394	50	1614820000
8	15.00	0.591	50	1614830000
10	20.00	0.787	50	1614840000
12	25.00	0.984	50	1614850000
14	30.00	1.181	20	1614860000
16	35.00	1.378	20	1614870000
18	40.00	1.575	20	1614880000
20	45.00	1.772	20	1614890000
22	50.00	1.969	10	1614900000
24	55.00	2.165	10	1614910000
26	60.00	2.362	10	1614920000
28	65.00	2.559	10	1614930000
30	70.00	2.756	10	1614940000
32	75.00	2.953	10	1614950000
34	80.00	3.150	10	1614960000
36	85.00	3.346	10	1614970000
38	90.00	3.543	10	1614980000
40	95.00	3.740	10	1614990000
42	100.00	3.937	10	1615000000
44	105.00	4.134	10	1615010000
46	110.00	4.331	10	1615020000
48	115.00	4.528	10	1615030000

Connectors in 5.00 mm pitch
Series BL/SL 5.00**BLZP 5.00HC../180**

The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Technical data**In compliance with IEC 60664-1 / IEC 61984**

Clamping range, max.	mm ²	0.13...4
Solid core H05(07) V-U	mm ²	0.2...4
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...4
Flexible with ferrule	mm ²	0.2...4
Ferrule with plastic collar	mm ²	0.2...2.5
Stripping length	mm	7
Screwdriver blade	mm	0.6 x 3.5, PH 0, PZ 0
According to norm		DIN 5264
Tightening torque range	Nm	0.4...0.5
Rated current, max.	A	19 16
At ambient temperature		20°C 40°C
For conductor cross-section	mm ²	4
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	250 320 400
Rated impulse voltage	kV	4 4 4
UL / CUL (Use Group)	B C D	

Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	30-12	
CSA (Use Group)	B C D		
Rated voltage	V	300	50 300
Rated current	A	15	15
AWG conductor	AWG	30-12	

General data

Type of insulation material	PBT
UL 94 flammability rating	V-0
Contact base material	Cu-Leg
Material of contact surface	tinned
Pin dimensions = d	mm
Solder eyelet Ø = D	mm
Solder eyelet Ø tolerance	mm

Product data

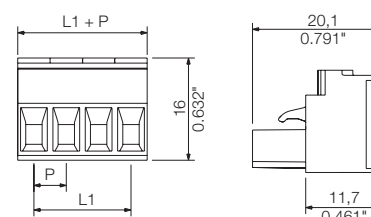
IEC: 400 V / 19 A / 0.2 - 4 mm²
UL: 300 V / 15 A / AWG 30 - 12



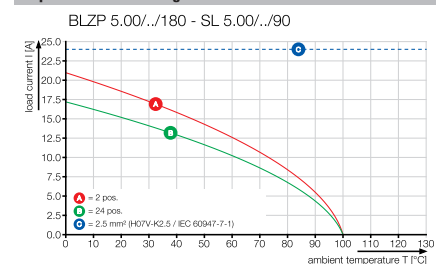
For additional articles and information, refer to catalog.weidmueller.com

Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZP 5.00HC../180**Dimensioned drawing****Ordering data**

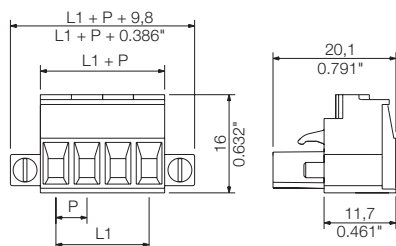
Solder pin length					
Colour			Orange		Black
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	100	1954490000	1955570000
3	10.00	0.394	100	1954480000	1955560000
4	15.00	0.591	100	1954470000	1955550000
5	20.00	0.787	45	1954460000	1955540000
6	25.00	0.984	45	1954450000	1955530000
7	30.00	1.181	45	1954440000	1955520000
8	35.00	1.378	45	1954430000	1955510000
9	40.00	1.575	45	1954420000	1955500000
10	45.00	1.772	45	1954410000	1955490000
11	50.00	1.969	36	1954400000	1955480000
12	55.00	2.165	36	1954390000	1955470000
13	60.00	2.362	36	1954380000	1955460000
14	65.00	2.559	27	1954370000	1955450000
15	70.00	2.756	27	1954360000	1955440000
16	75.00	2.953	27	1954350000	1955430000
17	80.00	3.150	18	1954330000	1955420000
18	85.00	3.346	18	1954320000	1955410000
19	90.00	3.543	18	1954310000	1955400000
20	95.00	3.740	18	1954300000	1955390000
21	100.00	3.937	18	1954290000	1955380000
22	105.00	4.134	18	1954280000	1955370000
23	110.00	4.331	18	1954270000	1955360000
24	115.00	4.528	18	1954260000	1955350000

Representative deratings curve

BLZP 5.00HC../180F



Dimensioned drawing



Ordering data

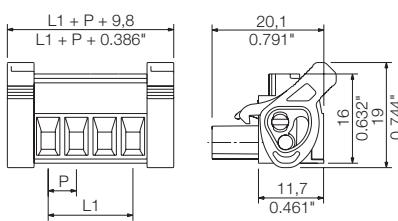
Solder pin length					
Colour			Orange		Black
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	90	1955800000	1956030000
3	10.00	0.394	72	1955790000	1956020000
4	15.00	0.591	60	1955780000	1956010000
5	20.00	0.787	48	1955770000	1956000000
6	25.00	0.984	42	1955760000	1955990000
7	30.00	1.181	36	1955750000	1955980000
8	35.00	1.378	36	1955740000	1955970000
9	40.00	1.575	30	1955730000	1955960000
10	45.00	1.772	30	1955720000	1955950000
11	50.00	1.969	24	1955710000	1955940000
12	55.00	2.165	24	1955700000	1955930000
13	60.00	2.362	24	1955690000	1955920000
14	65.00	2.559	18	1955680000	1955910000
15	70.00	2.756	18	1955670000	1955900000
16	75.00	2.953	18	1955660000	1955890000
17	80.00	3.150	18	1955650000	1955880000
18	85.00	3.346	18	1955640000	1955870000
19	90.00	3.543	12	1955630000	1955860000
20	95.00	3.740	12	1955620000	1955850000
21	100.00	3.937	12	1955610000	1955840000
22	105.00	4.134	12	1955600000	1955830000
23	110.00	4.331	12	1955590000	1955820000
24	115.00	4.528	12	1955580000	1955810000

BLZP 5.00HC../180LR

with lock and release lever



Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	90	1956370000	1956600000
3	10.00	0.394	72	1956360000	1956590000
4	15.00	0.591	60	1956350000	1956580000
5	20.00	0.787	48	1956340000	1956570000
6	25.00	0.984	42	1956330000	1956560000
7	30.00	1.181	36	1956320000	1956550000
8	35.00	1.378	36	1956310000	1956540000
9	40.00	1.575	30	1956300000	1956530000
10	45.00	1.772	30	1956290000	1956520000
11	50.00	1.969	24	1956280000	1956510000
12	55.00	2.165	24	1956270000	1956500000
13	60.00	2.362	24	1956260000	1956490000
14	65.00	2.559	18	1956250000	1956480000
15	70.00	2.756	18	1956240000	1956470000
16	75.00	2.953	18	1956230000	1956460000
17	80.00	3.150	18	1956220000	1956450000
18	85.00	3.346	18	1956210000	1956440000
19	90.00	3.543	12	1956200000	1956430000
20	95.00	3.740	12	1956190000	1956420000
21	100.00	3.937	12	1956180000	1956410000
22	105.00	4.134	12	1956170000	1956400000
23	110.00	4.331	12	1956160000	1956390000
24	115.00	4.528	12	1956150000	1956380000

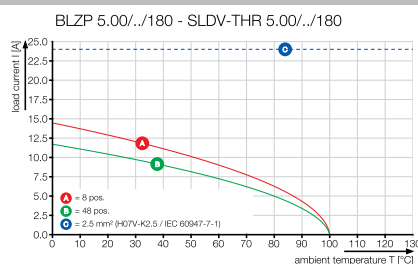
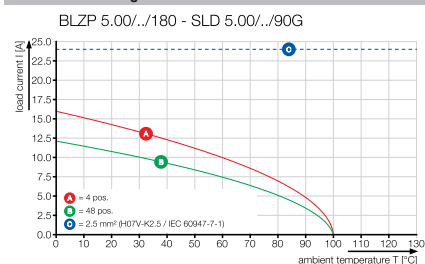
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.

Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.

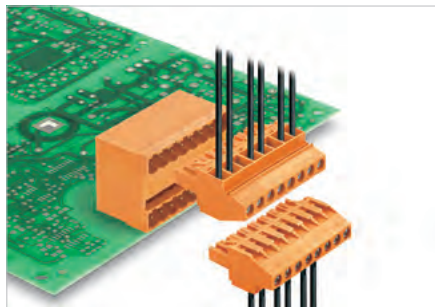


Additional deratings curves



Connectors in 5.00 mm pitch Series BL/SL 5.00

BLZP 5.00HC/./90



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Product data

IEC: 400 V / 15.5 A / 0.2 - 4 mm²
UL: 300 V / 15 A / AWG 30 - 12



For additional articles and information, refer to catalog.weidmueller.com

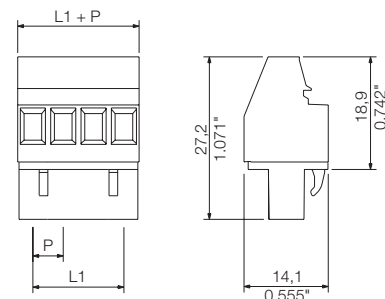
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZP 5.00HC/./90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm ²	0.2...4	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...4	
Flexible with ferrule	mm ²	0.2...4	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5, PH 0, PZ 0	
According to norm			
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	15.5	12
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	4	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	400
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	30-12	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	15	15
AWG conductor	AWG	30-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

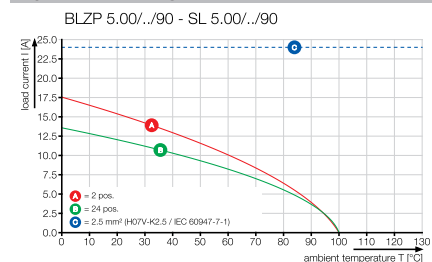
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Crosshead screwdriver	
SDK PH1	9008480000
SDK PZ1	9008530000

Ordering data

Solder pin length					
Colour			Orange		Black
Pitch			5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	180	1958300000	1958650000
3	10.00	0.394	120	1958290000	1958640000
4	15.00	0.591	90	1958280000	1958630000
5	20.00	0.787	72	1958270000	1958620000
6	25.00	0.984	60	1958260000	1958610000
7	30.00	1.181	48	1958250000	1958600000
8	35.00	1.378	42	1958230000	1958590000
9	40.00	1.575	36	1958190000	1958580000
10	45.00	1.772	36	1958160000	1958570000
11	50.00	1.969	30	1958130000	1958560000
12	55.00	2.165	30	1958120000	1958550000
13	60.00	2.362	24	1958090000	1958540000
14	65.00	2.559	24	1958060000	1958530000
15	70.00	2.756	24	1958040000	1958520000
16	75.00	2.953	18	1957960000	1958480000
17	80.00	3.150	18	1957910000	1958460000
18	85.00	3.346	18	1957900000	1958430000
19	90.00	3.543	18	1957880000	1958420000
20	95.00	3.740	18	1957850000	1958400000
21	100.00	3.937	12	1957830000	1958380000
22	105.00	4.134	12	1957820000	1958360000
23	110.00	4.331	12	1957800000	1958340000
24	115.00	4.528	12	1957780000	1958310000

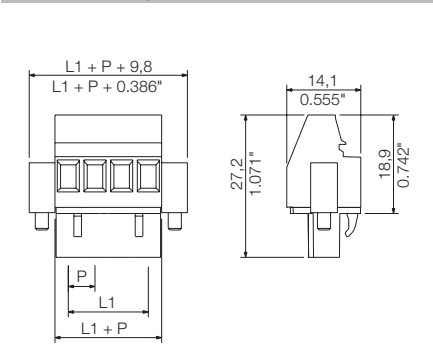
Representative deratings curve



BLZP 5.00HC/./90F



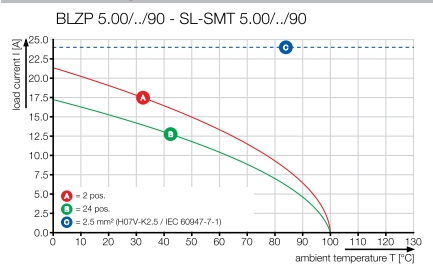
Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	90	1959520000	1959750000
3	10.00	0.394	72	1959510000	1959740000
4	15.00	0.591	60	1959500000	1959730000
5	20.00	0.787	48	1959490000	1959720000
6	25.00	0.984	42	1959480000	1959710000
7	30.00	1.181	36	1959470000	1959700000
8	35.00	1.378	36	1959460000	1959690000
9	40.00	1.575	30	1959440000	1959680000
10	45.00	1.772	30	1959430000	1959670000
11	50.00	1.969	24	1959390000	1959660000
12	55.00	2.165	24	1959370000	1959650000
13	60.00	2.362	24	1959360000	1959640000
14	65.00	2.559	18	1959350000	1959630000
15	70.00	2.756	18	1959340000	1959620000
16	75.00	2.953	18	1959330000	1959610000
17	80.00	3.150	18	1959320000	1959600000
18	85.00	3.346	18	1959300000	1959590000
19	90.00	3.543	12	1959290000	1959580000
20	95.00	3.740	12	1959270000	1959570000
21	100.00	3.937	12	1959250000	1959560000
22	105.00	4.134	12	1959240000	1959550000
23	110.00	4.331	12	1959220000	1959540000
24	115.00	4.528	12	1959200000	1959530000

Additional deratings curves



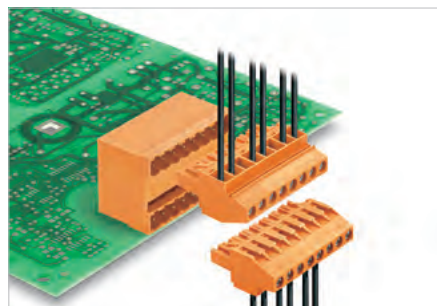
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it 's even both - perfect for the current, and perfect for the force.



Connectors in 5.00 mm pitch Series BL/SL 5.00

BLZP 5.00HC../270



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Product data

IEC: 400 V / 15.5 A / 0.2 - 4 mm²
UL: 300 V / 15 A / AWG 30 - 12



For additional articles and information, refer to catalog.weidmueller.com

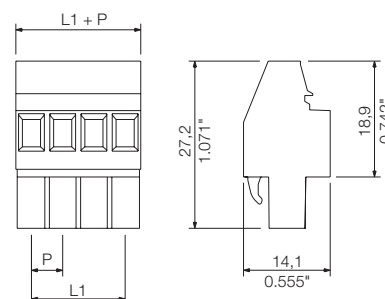
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZP 5.00HC../270



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm ²	0.2...4	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...4	
Flexible with ferrule	mm ²	0.2...4	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5, PH 0, PZ 0	
According to norm			
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	15.5	12
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	4	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	30-12	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	15	15
AWG conductor	AWG	30-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

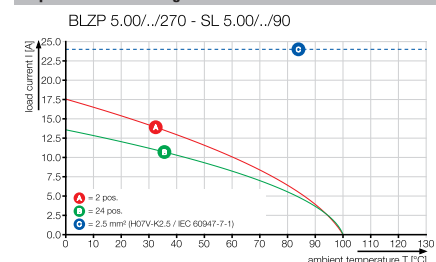
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Screwdriver		
	SDIS 0.6X3.5X100	9008390000
	SDS 0.6X3.5X100	9008330000
Crosshead screwdriver		
	SDK PH1	9008480000
	SDK PZ1	9008530000

Ordering data

Solder pin length						
Colour		Orange	Black			
Pitch	5.00 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	5.00	0.197	180	1958870000	1959100000	
3	10.00	0.394	120	1958860000	1959090000	
4	15.00	0.591	90	1958850000	1959080000	
5	20.00	0.787	72	1958840000	1959070000	
6	25.00	0.984	60	1958830000	1959060000	
7	30.00	1.181	48	1958820000	1959050000	
8	35.00	1.378	42	1958810000	1959040000	
9	40.00	1.575	36	1958800000	1959030000	
10	45.00	1.772	36	1958790000	1959020000	
11	50.00	1.969	30	1958780000	1959010000	
12	55.00	2.165	30	1959150000	1959000000	
13	60.00	2.362	24	1958770000	1958990000	
14	65.00	2.559	24	1958760000	1958980000	
15	70.00	2.756	24	1958750000	1958970000	
16	75.00	2.953	18	1958740000	1958960000	
17	80.00	3.150	18	1958730000	1958950000	
18	85.00	3.346	18	1958720000	1958940000	
19	90.00	3.543	18	1958710000	1958930000	
20	95.00	3.740	18	1958700000	1958920000	
21	100.00	3.937	12	1958690000	1958910000	
22	105.00	4.134	12	1958680000	1958900000	
23	110.00	4.331	12	1958670000	1958890000	
24	115.00	4.528	12	1958660000	1958880000	

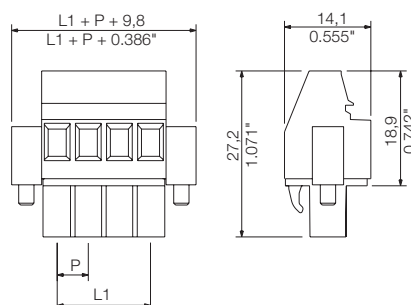
Representative deratings curve



BLZP 5.00HC/./270F



Dimensioned drawing



Ordering data

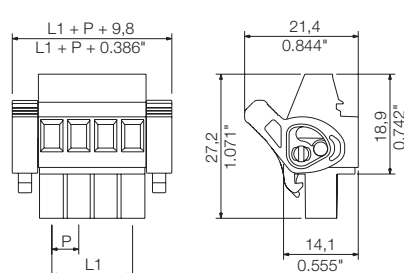
Solder pin length					
Colour			Orange		Black
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	90	1960460000	1960730000
3	10.00	0.394	72	1960450000	1960720000
4	15.00	0.591	60	1960440000	1960710000
5	20.00	0.787	48	1960430000	1960700000
6	25.00	0.984	42	1960420000	1960690000
7	30.00	1.181	36	1960410000	1960670000
8	35.00	1.378	36	1960400000	1960660000
9	40.00	1.575	30	1960390000	1960650000
10	45.00	1.772	30	1960380000	1960640000
11	50.00	1.969	24	1960370000	1960630000
12	55.00	2.165	24	1959450000	1960620000
13	60.00	2.362	24	1959420000	1960610000
14	65.00	2.559	18	1959410000	1960600000
15	70.00	2.756	18	1959400000	1960590000
16	75.00	2.953	18	1959380000	1960580000
17	80.00	3.150	18	1959310000	1960570000
18	85.00	3.346	18	1959280000	1960560000
19	90.00	3.543	12	1959260000	1960550000
20	95.00	3.740	12	1959230000	1960540000
21	100.00	3.937	12	1959210000	1960530000
22	105.00	4.134	12	1959190000	1960520000
23	110.00	4.331	12	1959180000	1960510000
24	115.00	4.528	12	1959170000	1960500000

BLZP 5.00HC/./270LR

with lock and release lever



Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	90	1960960000	1961190000
3	10.00	0.394	72	1960950000	1961180000
4	15.00	0.591	60	1960940000	1961170000
5	20.00	0.787	48	1960930000	1961160000
6	25.00	0.984	42	1960920000	1961150000
7	30.00	1.181	36	1960910000	1961140000
8	35.00	1.378	36	1960900000	1961130000
9	40.00	1.575	30	1960890000	1961120000
10	45.00	1.772	30	1960880000	1961110000
11	50.00	1.969	24	1960870000	1961100000
12	55.00	2.165	24	1960860000	1961090000
13	60.00	2.362	24	1960850000	1961080000
14	65.00	2.559	18	1960840000	1961070000
15	70.00	2.756	18	1960830000	1961060000
16	75.00	2.953	18	1960820000	1961050000
17	80.00	3.150	18	1960810000	1961040000
18	85.00	3.346	18	1960800000	1961030000
19	90.00	3.543	12	1960790000	1961020000
20	95.00	3.740	12	1960780000	1961010000
21	100.00	3.937	12	1960770000	1961000000
22	105.00	4.134	12	1960760000	1960990000
23	110.00	4.331	12	1960750000	1960980000
24	115.00	4.528	12	1960740000	1960970000

The 2-in-1 contact

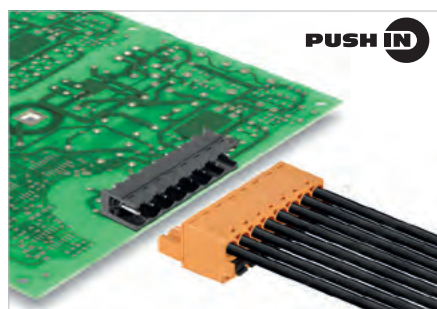
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.

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Connectors in 5.00 mm pitch Series BL/SL 5.00

BLF 5.00HC../180



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- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling – since the wire-entry area and handling area are clearly separated.
- User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder joints.

Product data

IEC: 400 V / 20.5 A / 0.2 - 2.5 mm²
UL: 300 V / 10 A / AWG 12 - 26



For additional articles and information, refer to catalog.weidmueller.com

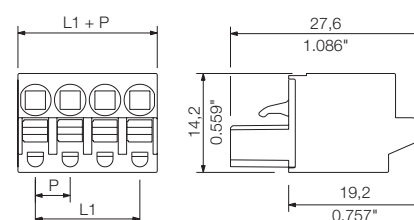
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch

BLF 5.00HC../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...2.5	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm		
Rated current, max.	A	20.5	17.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	12-26	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	12-26	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

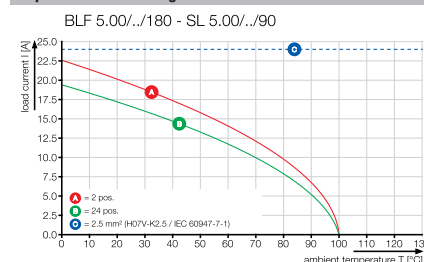
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Wire-end ferrule	
H0,5/14S W	9004590000
H1,0/14S R	9018560000
H1,5/14S SW	9025240000
H2,5/14S BL	1333100000

Ordering data

Solder pin length					
Colour	Orange	Black			
Pitch	5.00 mm				
Pol.	L1 (inch)	Qty.	Order No.	Order No.	
2	5.00	0.197	180	1017860000	1017670000
3	10.00	0.394	120	1017870000	1017680000
4	15.00	0.591	90	1017880000	1017690000
5	20.00	0.788	72	1017890000	1017710000
6	25.00	0.985	60	1017910000	1017720000
7	30.00	1.182	48	1017920000	1017730000
8	35.00	1.379	42	1017930000	1017740000
9	40.00	1.576	36	1017950000	1017750000
10	45.00	1.773	36	1017960000	1017760000
11	50.00	1.970	30	1017970000	1017770000
12	55.00	2.167	30	1017980000	1017780000
13	60.00	2.364	24	1017990000	1017790000
14	65.00	2.561	24	1018010000	1017810000
15	70.00	2.758	24	1018020000	1017820000
16	75.00	2.955	18	1018030000	1017830000
17	80.00	3.152	18	1018040000	1017840000
18	85.00	3.349	18	1018050000	1017850000

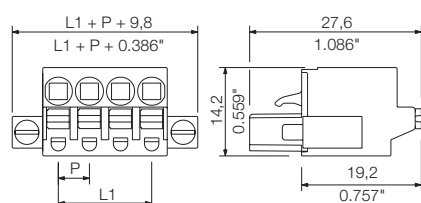
Representative deratings curve



BLF 5.00HC/./180F



Dimensioned drawing



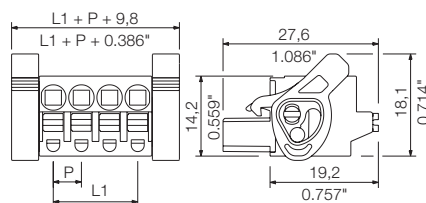
Ordering data

Solder pin length					
Colour			Orange		Black
Pitch	5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	90	1017420000	1017240000
3	10.00	0.394	72	1017430000	1017250000
4	15.00	0.591	60	1017440000	1017260000
5	20.00	0.788	48	1017450000	1017270000
6	25.00	0.985	42	1017470000	1017280000
7	30.00	1.182	36	1017480000	1017290000
8	35.00	1.379	36	1017490000	1017310000
9	40.00	1.576	30	1017510000	1017320000
10	45.00	1.773	30	1017520000	1017330000
11	50.00	1.970	24	1017530000	1017340000
12	55.00	2.167	24	1017540000	1017350000
13	60.00	2.364	24	1017550000	1017360000
14	65.00	2.561	18	1017570000	1017370000
15	70.00	2.758	18	1017590000	1017380000
16	75.00	2.955	18	1017600000	1017390000
17	80.00	3.152	18	1017610000	1017400000
18	85.00	3.349	18	1017620000	1017410000

BLF 5.00HC/./180LR



Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch	5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	90	1016340000	1016140000
3	10.00	0.394	72	1016350000	1016150000
4	15.00	0.591	60	1016360000	1016170000
5	20.00	0.788	48	1016370000	1016180000
6	25.00	0.985	42	1016380000	1016190000
7	30.00	1.182	36	1016390000	1016210000
8	35.00	1.379	36	1016410000	1016220000
9	40.00	1.576	30	1016420000	1016230000
10	45.00	1.773	30	1016430000	1016240000
11	50.00	1.970	24	1016440000	1016250000
12	55.00	2.167	24	1016450000	1016260000
13	60.00	2.364	24	1016460000	1016270000
14	65.00	2.561	18	1016470000	1016280000
15	70.00	2.758	18	1016480000	1016290000
16	75.00	2.955	18	1016490000	1016310000
17	80.00	3.152	18	1016510000	1016320000
18	85.00	3.349	18	1016520000	1016330000

"PUSH IN" connection technology

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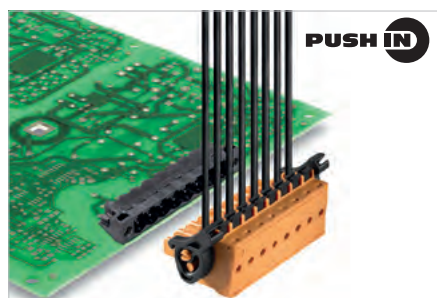
The 2-in-1 contact

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Connectors in 5.00 mm pitch
Series BL/SL 5.00

BLF 5.00HC../90



PUSH IN

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- Intuitive handling – since the wire-entry area and handling area are clearly separated.
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- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder joints.

Product data

IEC: 400 V / 20 A / 0.2 - 2.5 mm²
UL: 300 V / 10 A / AWG 12 - 26



For additional articles and information, refer to catalog.weidmueller.com

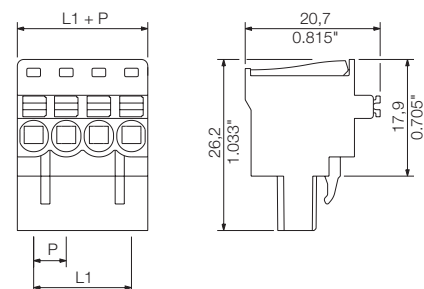
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch

BLF 5.00HC../90



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²	0.13...3.31	
Solid core H05(07) V-U	mm²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm²	0.2...2.5	
Flexible with ferrule	mm²	0.2...2.5	
Ferrule with plastic collar	mm²	0.2...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm		
Rated current, max.	A	20	17
At ambient temperature		20°C	40°C
For conductor cross-section	mm²	2.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	400
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	12-26	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	12-26	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

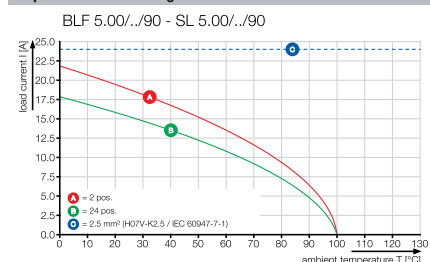
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Wire-end ferrule	
H0,5/14S W	9004590000
H1,0/14S R	9018560000
H1,5/14S SW	9025240000
H2,5/14S BL	1333100000

Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	180	1980170000	1979270000
3	10.00	0.394	120	1980180000	1979280000
4	15.00	0.591	90	1980190000	1979290000
5	20.00	0.788	72	1980200000	1979300000
6	25.00	0.985	60	1980210000	1979310000
7	30.00	1.182	48	1980220000	1979320000
8	35.00	1.379	42	1980230000	1979330000
9	40.00	1.576	36	1980240000	1979340000
10	45.00	1.773	36	1980250000	1979350000
11	50.00	1.970	30	1980260000	1979360000
12	55.00	2.167	30	1980270000	1979370000
13	60.00	2.364	24	1980280000	1979380000
14	65.00	2.561	24	1980290000	1979390000
15	70.00	2.758	24	1980300000	1979400000
16	75.00	2.955	18	1980310000	1979410000
17	80.00	3.152	18	1980320000	1979420000
18	85.00	3.349	18	1980330000	1979430000
19	90.00	3.546	18	1980340000	1979440000
20	95.00	3.743	18	1980360000	1979450000

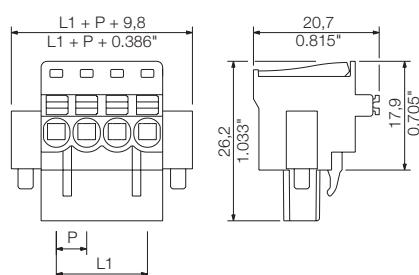
Representative deratings curve



BLF 5.00HC/./90F



Dimensioned drawing



Ordering data

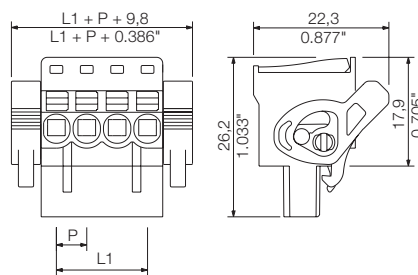
Solder pin length					
Colour			Orange		Black
Pitch	5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	90	1980640000	1979460000
3	10.00	0.394	72	1980650000	1979470000
4	15.00	0.591	60	1980660000	1979480000
5	20.00	0.788	48	1980670000	1979490000
6	25.00	0.985	42	1980680000	1979500000
7	30.00	1.182	36	1980690000	1979510000
8	35.00	1.379	36	1980700000	1979520000
9	40.00	1.576	30	1980710000	1979530000
10	45.00	1.773	30	1980720000	1979540000
11	50.00	1.970	24	1980730000	1979550000
12	55.00	2.167	24	1980740000	1979560000
13	60.00	2.364	24	1980750000	1979570000
14	65.00	2.561	18	1980760000	1979580000
15	70.00	2.758	18	1980780000	1979590000
16	75.00	2.955	18	1980790000	1979600000
17	80.00	3.152	18	1980800000	1979610000
18	85.00	3.349	18	1980810000	1979620000
19	90.00	3.546	12	1980820000	1979630000
20	95.00	3.743	12	1980840000	1979640000

BLF 5.00HC/./90LR

with lock and release lever



Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch	5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	90	1980870000	1979790000
3	10.00	0.394	72	1980880000	1979800000
4	15.00	0.591	60	1980890000	1979810000
5	20.00	0.788	48	1980900000	1979820000
6	25.00	0.985	42	1980910000	1979830000
7	30.00	1.182	36	1980920000	1979840000
8	35.00	1.379	36	1980930000	1979850000
9	40.00	1.576	30	1980940000	1979860000
10	45.00	1.773	30	1980950000	1979870000
11	50.00	1.970	24	1980960000	1979880000
12	55.00	2.167	24	1980970000	1979890000
13	60.00	2.364	24	1980980000	1979900000
14	65.00	2.561	18	1980990000	1979910000
15	70.00	2.758	18	1981000000	1979920000
16	75.00	2.955	18	1981010000	1979930000
17	80.00	3.152	18	1981020000	1979940000
18	85.00	3.349	18	1981030000	1979950000
19	90.00	3.546	12	1981040000	1979960000
20	95.00	3.743	12	1981050000	1979970000

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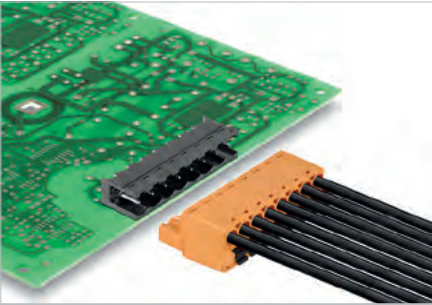
The 2-in-1 contact

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Connectors in 5.08 mm pitch
Series BL/SL 5.08

SL-SMT 5.08HC/./90



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL).

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	19	16	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.5		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 19 A
UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

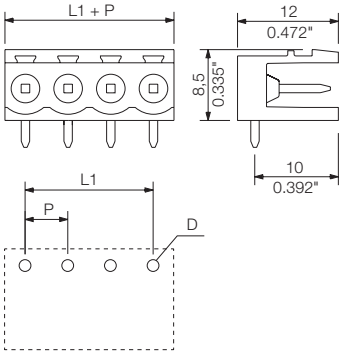
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Diameter of solder eyelet D = 1.5+0.1mm from 9-pole
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC/./90 Box

Packaged in box



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm		3.2 mm	
Colour				Black		Black	
Pitch 5.08 mm							
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	5.08	0.200	100	1774762001	1779950000		
3	10.16	0.400	100	1774772001	1779960000		
4	15.24	0.600	100	1774782001	1779970000		
5	20.32	0.800	50	1774792001	1779980000		
6	25.40	1.000	50	1774802001	1779990000		
7	30.48	1.200	50	1774812001	1780000000		
8	35.56	1.400	50	1774822001	1780010000		
9	40.64	1.600	50	1774832001	1780020000		
10	45.72	1.800	50	1774842001	1780030000		
11	50.80	2.000	50	1774852001	1780040000		
12	55.88	2.200	50	1774862001	1780050000		
13	60.96	2.400	50	1774872001	1780060000		
14	66.04	2.600	50	1774882001	1780070000		
15	71.12	2.800	50	1774892001	1780080000		
16	76.20	3.000	50	1774902001	1780090000		
17	81.28	3.200	20	1774912001	1780100000		
18	86.36	3.400	20	1774922001	1780110000		
19	91.44	3.600	20	1774932001	1780120000		
20	96.52	3.800	20	1774942001	1780130000		
21	101.60	4.000	20	1774952001	1780140000		
22	106.68	4.200	20	1774962001	1780150000		
23	111.76	4.400	20	1774972001	1780160000		
24	116.84	4.600	20	1774982001	1780170000		

Accessories

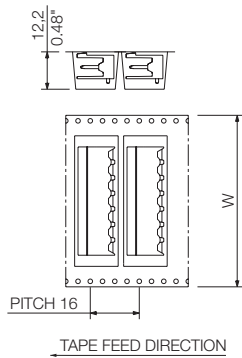
Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000
LED light guide		
	SL FLA 1.5/1	1580100000
	SL FLA 2,3/1	1636670000
	SL FLA 2,3/24	1636680000
	SL FLA 3.8/1	1580110000
	SL FLA 9.0/1	1580120000

SL-SMT 5.08HC../90 Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm
Colour				Black
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	350	1821160000
3	10.16	0.400	350	1821170000
4	15.24	0.600	350	1774784001
5	20.32	0.800	350	1774794001
6	25.40	1.000	350	1774804001
7	30.48	1.200	350	1774814001
8	35.56	1.400	350	1774824001

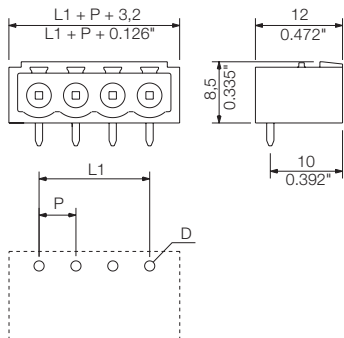
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC../90G Box

Packaged in box



Dimensioned drawing



Ordering data

Solder pin length			1.5 mm		3.2 mm	
Colour			Black		Black	
Pitch			5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	5.08	0.200	100	1775002001	1780180000	
3	10.16	0.400	100	1775012001	1780190000	
4	15.24	0.600	100	1775022001	1780200000	
5	20.32	0.800	50	1775032001	1780210000	
6	25.40	1.000	50	1775042001	1780220000	
7	30.48	1.200	50	1775052001	1780230000	
8	35.56	1.400	50	1775062001	1780240000	
9	40.64	1.600	50	1775072001	1780250000	
10	45.72	1.800	50	1775082001	1780260000	
11	50.80	2.000	50	1775092001	1780270000	
12	55.88	2.200	50	1775102001	1780280000	
13	60.96	2.400	50	1775112001	1780290000	
14	66.04	2.600	50	1775122001	1780300000	
15	71.12	2.800	50	1775132001	1780310000	
16	76.20	3.000	50	1775142001	1780320000	
17	81.28	3.200	20	1775152001	1780330000	
18	86.36	3.400	20	1775162001	1780340000	
19	91.44	3.600	20	1775172001	1780350000	
20	96.52	3.800	20	1775182001	1780360000	
21	101.60	4.000	20	1775192001	1780370000	
22	106.68	4.200	20	1775202001	1780380000	
23	111.76	4.400	20	1775212001	1780390000	
24	116.84	4.600	20	1775222001	1780400000	

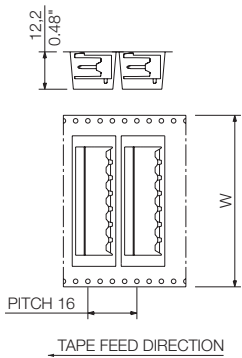
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC../90G Tape

Tape-on-reel



Dimensioned drawing



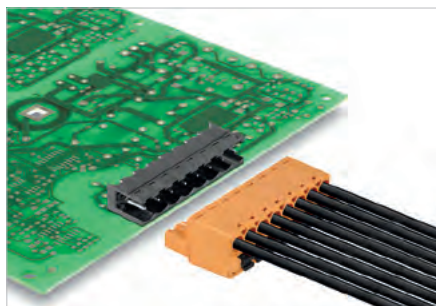
Ordering data

Solder pin length				1.5 mm
Colour				Black
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	350	1821140000
3	10.16	0.400	350	1775014001
4	15.24	0.600	350	1775024001
5	20.32	0.800	350	1775034001
6	25.40	1.000	350	1775044001
7	30.48	1.200	350	1775054001

Tape widths: 32, 44, 56, 72, 88

Connectors in 5.08 mm pitch
Series BL/SL 5.08

SL-SMT 5.08HC/..90



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL).

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	19	16	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG			
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG			
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.5		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 19 A

UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

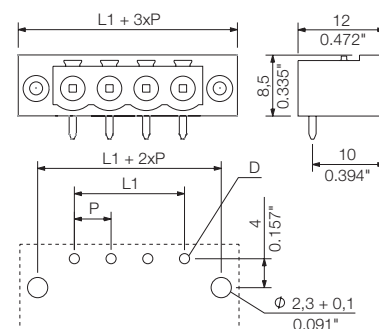
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Diameter of solder eyelet D = 1.5+0.1mm from 9-pole
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC/..90F Box

Packaged in box



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
 BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Partition element	
 SL AT OR	1598300000
SL AT SW	1770240000
LED light guide	
 SL FLA 1.5/1	1580100000
SL FLA 2,3/1	1636670000
SL FLA 2,3/24	1636680000
SL FLA 3.8/1	1580110000
SL FLA 9.0/1	1580120000

Ordering data

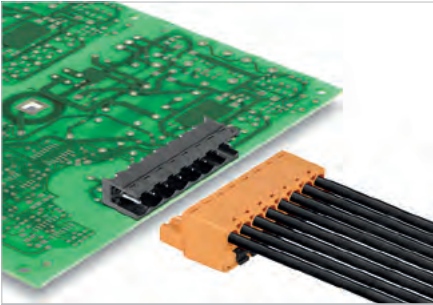
Solder pin length		3.2 mm		
Colour		Black		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1837630000
3	10.16	0.400	100	1837640000
4	15.24	0.600	100	1837650000
5	20.32	0.800	50	1837660000
6	25.40	1.000	50	1837670000
7	30.48	1.200	50	1837680000
8	35.56	1.400	50	1837690000
9	40.64	1.600	50	1837700000
10	45.72	1.800	50	1837710000
11	50.80	2.000	50	1837720000
12	55.88	2.200	50	1837730000
13	60.96	2.400	50	1837740000
14	66.04	2.600	50	1837750000
15	71.12	2.800	50	1837760000
16	76.20	3.000	50	1837770000
17	81.28	3.200	20	1837780000
18	86.36	3.400	20	1837790000
19	91.44	3.600	20	1837800000
20	96.52	3.800	20	1837810000
21	101.60	4.000	20	1837820000
22	106.68	4.200	20	1837830000
23	111.76	4.400	20	1837840000
24	116.84	4.600	20	1837850000

5.08

90°

Connectors in 5.08 mm pitch
Series BL/SL 5.08

SL-SMT 5.08HC/..90



High-temperature-resistant, 90°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL).

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	19	16
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.5	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 19 A
UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

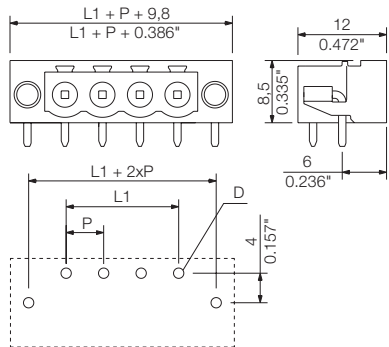
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC/..90LF Box

Packed in box; with solder flange



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1775232001	1780410000
3	10.16	0.400	100	1775242001	1780420000
4	15.24	0.600	100	1775252001	1780430000
5	20.32	0.800	50	1775262001	1780440000
6	25.40	1.000	50	1775272001	1780450000
7	30.48	1.200	50	1775282001	1780460000
8	35.56	1.400	50	1775292001	1780470000
9	40.64	1.600	50	1775302001	1780480000
10	45.72	1.800	50	1775312001	1780490000
11	50.80	2.000	50	1775322001	1780500000
12	55.88	2.200	50	1775332001	1780510000
13	60.96	2.400	50	1775342001	1780540000
14	66.04	2.600	50	1775352001	1780550000
15	71.12	2.800	50	1775362001	1780560000
16	76.20	3.000	50	1775372001	1780570000
17	81.28	3.200	20	1775382001	1780580000
18	86.36	3.400	20	1775392001	1780590000
19	91.44	3.600	20	1775402001	1780600000
20	96.52	3.800	20	1775412001	1780610000
21	101.60	4.000	20	1775422001	1780620000
22	106.68	4.200	20	1775432001	1780630000
23	111.76	4.400	20	1775442001	1780640000
24	116.84	4.600	20	1775452001	1780650000

Accessories

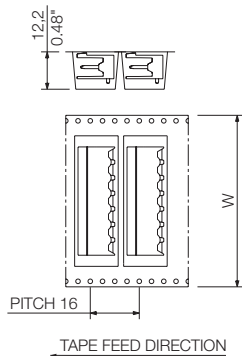
Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000
LED light guide		
	SL FLA 1.5/1	1580100000
	SL FLA 2,3/1	1636670000
	SL FLA 2,3/24	1636680000
	SL FLA 3.8/1	1580110000
	SL FLA 9.0/1	1580120000

SL-SMT 5.08HC/..90LF Tape

Tape-on-reel; with solder flange



Dimensioned drawing



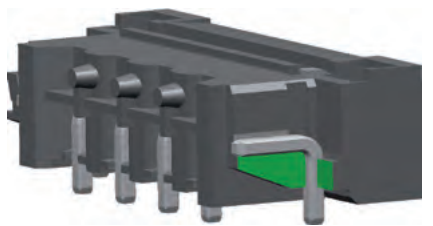
Ordering data

Solder pin length		1.5 mm	
Colour		Black	
Pitch		5.08 mm	
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	350 1775234001
3	10.16	0.400	350 1775244001
4	15.24	0.600	350 1775254001
5	20.32	0.800	350 1775264001
6	25.40	1.000	350 1775274001

Tape widths: 32, 44, 56, 72, 88

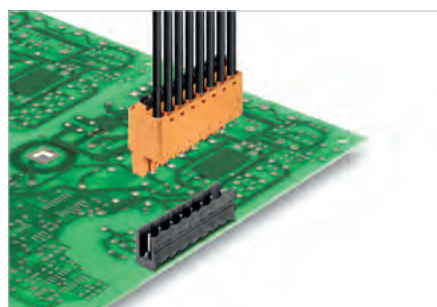
Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers. The disadvantages are additional process steps that make the PCB mounting complex and cost intensive. The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header. This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



Connectors in 5.08 mm pitch
Series BL/SL 5.08

SL-SMT 5.08HC../180



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL).

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	19	16	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG			
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG			
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.5		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 19 A

UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

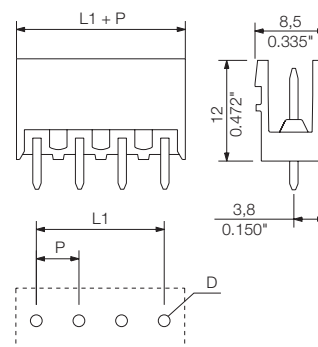
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4±0.1mm
- Diameter of solder eyelet D = 1.5±0.1mm from 9-pole
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC../180 Box

Packaged in box



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Partition element	
SL AT OR	1598300000
SL AT SW	1770240000

Ordering data

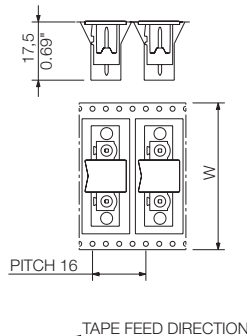
Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1775522001	1837980000
3	10.16	0.400	100	1775572001	1837990000
4	15.24	0.600	100	1775592001	1838000000
5	20.32	0.800	50	1775632001	1838010000
6	25.40	1.000	50	1775642001	1838020000
7	30.48	1.200	50	1775652001	1838030000
8	35.56	1.400	50	1775662001	1838040000
9	40.64	1.600	50	1775672001	1838050000
10	45.72	1.800	50	1775682001	1838060000
11	50.80	2.000	50	1775692001	1838070000
12	55.88	2.200	50	1775702001	1838080000
13	60.96	2.400	50	1775712001	1838090000
14	66.04	2.600	50	1775722001	1838100000
15	71.12	2.800	50	1775732001	1838110000
16	76.20	3.000	50	1775742001	1838120000
17	81.28	3.200	20	1775752001	1838130000
18	86.36	3.400	20	1775762001	1838140000
19	91.44	3.600	20	1775772001	1838150000
20	96.52	3.800	20	1775782001	1838160000
21	101.60	4.000	20	1775792001	1838170000
22	106.68	4.200	20	1775802001	1838180000
23	111.76	4.400	20	1775812001	1838190000
24	116.84	4.600	20	1775822001	1838200000

SL-SMT 5.08HC../180 Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm	
Colour		Black	
Pitch	5.08 mm		
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	250 1821100000
3	10.16	0.400	250 1821110000
4	15.24	0.600	250 1775594001
5	20.32	0.800	250 1775634001
6	25.40	1.000	250 1775644001
7	30.48	1.200	250 1775654001
8	35.56	1.400	250 1775664001

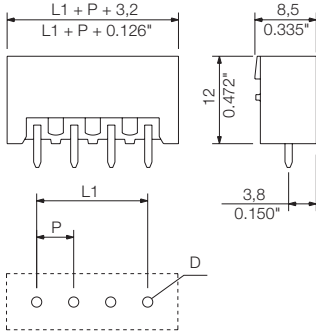
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC../180G Box

Packaged in box



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm		3.2 mm	
Colour		Black		Black	
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1775922001	1838210000
3	10.16	0.400	100	1775932001	1838220000
4	15.24	0.600	100	1775942001	1838230000
5	20.32	0.800	50	1775952001	1838240000
6	25.40	1.000	50	1775962001	1838250000
7	30.48	1.200	50	1775972001	1838260000
8	35.56	1.400	50	1775982001	1838270000
9	40.64	1.600	50	1775992001	1838280000
10	45.72	1.800	50	1776002001	1838290000
11	50.80	2.000	50	1776012001	1838300000
12	55.88	2.200	50	1776022001	1838310000
13	60.96	2.400	50	1776242001	1838320000
14	66.04	2.600	50	1776252001	1838330000
15	71.12	2.800	50	1776262001	1838340000
16	76.20	3.000	50	1776272001	1838350000
17	81.28	3.200	20	1776282001	1838360000
18	86.36	3.400	20	1776292001	1838370000
19	91.44	3.600	20	1776302001	1838380000
20	96.52	3.800	20	1776312001	1838390000
21	101.60	4.000	20	1776322001	1838400000
22	106.68	4.200	20	1776332001	1838410000
23	111.76	4.400	20	1776342001	1838420000
24	116.84	4.600	20	1776352001	1838430000

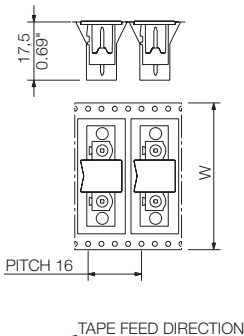
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC../180G Tape

Tape-on-reel



Dimensioned drawing



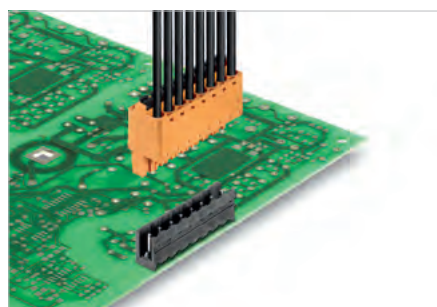
Ordering data

Solder pin length		1.5 mm	
Colour		Black	
Pitch	5.08 mm		
Pol.	L1	(inch)	Qty. Order No.
2	5.08	0.200	250 1820170000
3	10.16	0.400	250 1775934001
4	15.24	0.600	250 1775944001
5	20.32	0.800	250 1775954001
6	25.40	1.000	250 1775964001
7	30.48	1.200	250 1775974001

Tape widths: 32, 44, 56, 72, 88

Connectors in 5.08 mm pitch Series BL/SL 5.08

SL-SMT 5.08HC/./180



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL).

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	19	16
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.5	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 19 A
UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

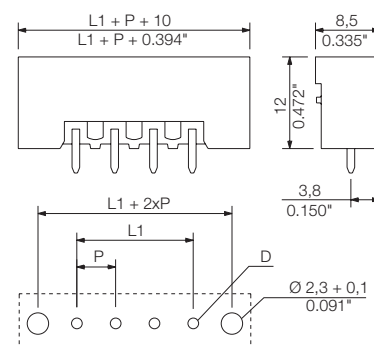
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4±0.1mm
- Diameter of solder eyelet D = 1.5±0.1mm from 9-pole
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC/./180F Box

Packaged in box



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

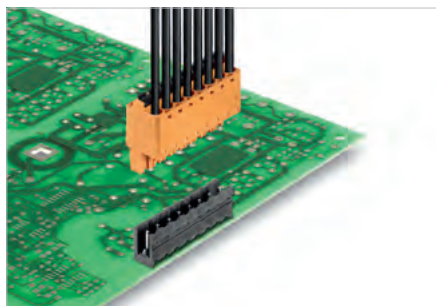
Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Partition element	
SL AT OR	1598300000
SL AT SW	1770240000

Ordering data

Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1837320000	1837860000
3	10.16	0.400	100		1820600000
4	15.24	0.600	100	1830100000	1837870000
5	20.32	0.800	50	1837330000	1820770000
6	25.40	1.000	50	1837340000	1820610000
7	30.48	1.200	50		1837880000
8	35.56	1.400	50		1820620000
9	40.64	1.600	50	1880940000	1837890000
10	45.72	1.800	50	1880950000	1820780000
11	50.80	2.000	50	1880960000	1837900000
12	55.88	2.200	50	1880970000	1820630000
13	60.96	2.400	50	1879920000	1820790000
14	66.04	2.600	50		1820800000
15	71.12	2.800	50		1837910000
16	76.20	3.000	50		1820640000
17	81.28	3.200	20		1837920000
18	86.36	3.400	20		1820650000
19	91.44	3.600	20		1837930000
20	96.52	3.800	20		1820810000
21	101.60	4.000	20		1837940000
22	106.68	4.200	20		1837950000
23	111.76	4.400	20		1837960000
24	116.84	4.600	20		1837970000

Connectors in 5.08 mm pitch
Series BL/SL 5.08

SL-SMT 5.08HC/./180



High-temperature-resistant, 180°-angled male header, optimised for SMT processing. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder flange (LF).
- The solder flange substitutes a screw fastening to the PCB and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The short 1.5 mm pins enable a double-sided PCB mounting and reduce the needed amount of solder paste without losing holding force to the PCB.
- Packed either in box (BX) or on anti-static roll (tape-on-reel, RL).

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	19	16	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG			
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG			
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.5		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 19 A

UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

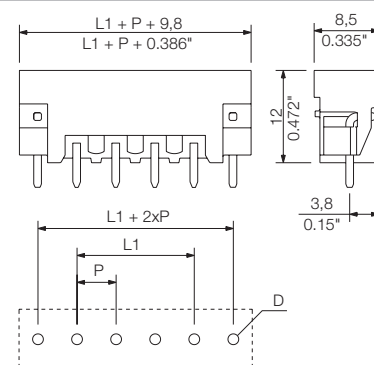
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4±0.1mm
- Diameter of solder eyelet D = 1.5±0.1mm from 9-pole
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC/./180LF Box

Packaged in box; with solder flange



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Partition element	
SL AT OR	1598300000
SL AT SW	1770240000

Ordering data

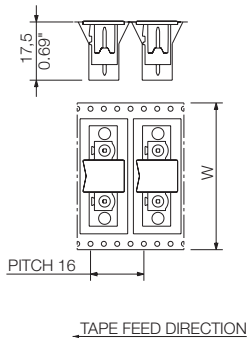
Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1776362001	1838440000
3	10.16	0.400	100	1776372001	1838450000
4	15.24	0.600	100	1776382001	1838460000
5	20.32	0.800	50	1776392001	1838470000
6	25.40	1.000	50	1776402001	1838480000
7	30.48	1.200	50	1776412001	1838490000
8	35.56	1.400	50	1776422001	1838500000
9	40.64	1.600	50	1776432001	1838510000
10	45.72	1.800	50	1776442001	1838520000
11	50.80	2.000	50	1776452001	1838530000
12	55.88	2.200	50	1776462001	1838540000
13	60.96	2.400	50	1776472001	1838550000
14	66.04	2.600	50	1776482001	1838560000
15	71.12	2.800	50	1776492001	1838570000
16	76.20	3.000	50	1776502001	1838580000
17	81.28	3.200	20	1776512001	1838590000
18	86.36	3.400	20	1776522001	1838600000
19	91.44	3.600	20	1776532001	1838610000
20	96.52	3.800	20	1776542001	1838620000
21	101.60	4.000	20	1776552001	1838630000
22	106.68	4.200	20	1776562001	1838640000
23	111.76	4.400	20	1776582001	1838650000
24	116.84	4.600	20	1776592001	1838660000

SL-SMT 5.08HC/./180LF Tape

Packaged in box; with solder flange



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm		
Colour		Black		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	250	1776364001
3	10.16	0.400	250	1776374001
4	15.24	0.600	250	1776384001
5	20.32	0.800	250	1776394001
6	25.40	1.000	250	1776404001

Tape widths: 32, 44, 56, 72, 88

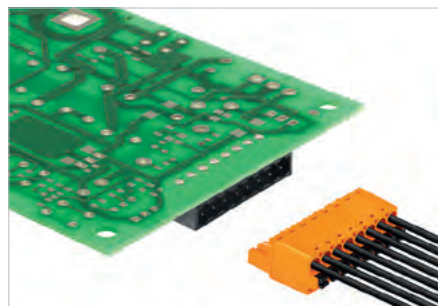
Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers. The disadvantages are additional process steps that make the PCB mounting complex and cost intensive. The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header. This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.



Connectors in 5.08 mm pitch Series BL/SL 5.08

SL-SMT 5.08HC../270



High-temperature-resistant, 270°-angled male connector, optimised for the SMT process. When using the flat-shaped version (L), a circuit board cut-out is required to accommodate the snap-on finger of the counterpart. There is no need for an extra screw connecting the circuit board when the solder flange version is used. This also protects the solder points from mechanical strain. As an option, the 1.5-mm short solder pins allow the PCB to be attached to both sides and minimise the need for solder paste. The male connectors can be manually coded or ordered as pre-coded connectors. Packaged in tape-on-reel or in a cardboard box.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	19	16
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overtolerance category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 19 A
UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

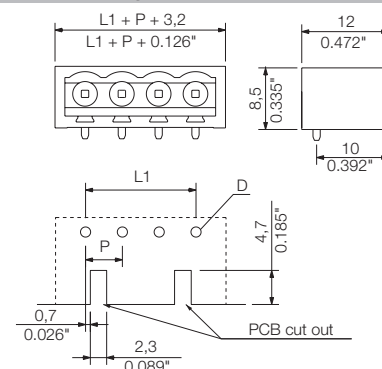
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC../270GL Box

Packaged in box



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Partition element	
SL AT OR	1598300000
SL AT SW	1770240000

Ordering data

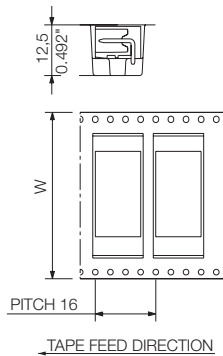
Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1877100000	1877470000
3	10.16	0.400	100	1877130000	1877490000
4	15.24	0.600	100	1877140000	1877510000
5	20.32	0.800	50	1877150000	1877520000
6	25.40	1.000	50	1877160000	1877530000
7	30.48	1.200	50	1877170000	1877540000
8	35.56	1.400	50	1877180000	1877550000

SL-SMT 5.08HC/./270GL Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm			
Colour		Black			
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	350	1877740000	
3	10.16	0.400	350	1877750000	
4	15.24	0.600	350	1877760000	
5	20.32	0.800	350	1877770000	
6	25.40	1.000	350	1877780000	
7	30.48	1.200	350	1877790000	
8	35.56	1.400	350	1877800000	

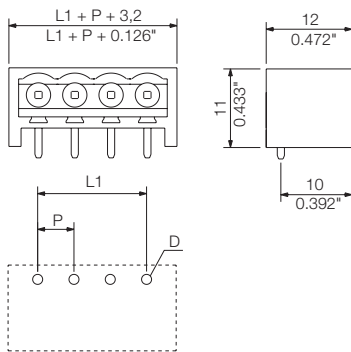
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC/./270GH Box

Packaged in box



Dimensioned drawing



Ordering data

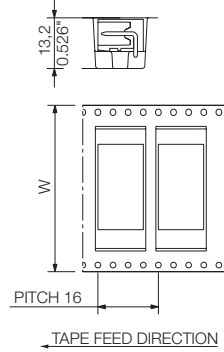
Solder pin length				1.5 mm		3.2 mm	
Colour				Black		Black	
Pitch				5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
2	5.08	0.200	100	1876340000	1877370000		
3	10.16	0.400	100	1877010000	1877380000		
4	15.24	0.600	100	1877030000	1877390000		
5	20.32	0.800	50	1877040000	1877400000		
6	25.40	1.000	50	1877050000	1877410000		
7	30.48	1.200	50	1877060000	1877420000		
8	35.56	1.400	50	1877080000	1877450000		

SL-SMT 5.08HC/./270GH Tape

Tape-on-reel



Dimensioned drawing



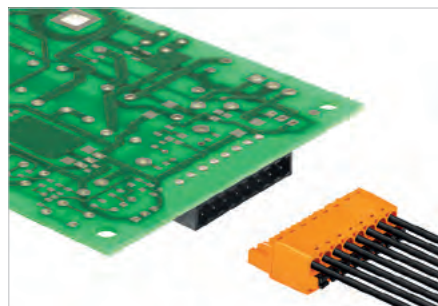
Ordering data

Solder pin length		1.5 mm			
Colour		Black			
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	335	1877560000	
3	10.16	0.400	335	1877600000	
4	15.24	0.600	335	1877610000	
5	20.32	0.800	335	1877620000	
6	25.40	1.000	265	1877630000	
7	30.48	1.200	335	1877640000	
8	35.56	1.400	285	1877650000	

Tape widths: 32, 44, 56, 72, 88

Connectors in 5.08 mm pitch Series BL/SL 5.08

SL-SMT 5.08HC../270



High-temperature-resistant, 270°-angled male connector, optimised for the SMT process. When using the flat-shaped version (L), a circuit board cut-out is required to accommodate the snap-on finger of the counterpart. There is no need for an extra screw connecting the circuit board when the solder flange version is used. This also protects the solder points from mechanical strain. As an option, the 1.5-mm short solder pins allow the PCB to be attached to both sides and minimise the need for solder paste. The male connectors can be manually coded or ordered as pre-coded connectors. Packaged in tape-on-reel or in a cardboard box.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	19	16
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		-
General data			
Type of insulation material		LCP GF	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.4	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 19 A

UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmueller.com

Note:

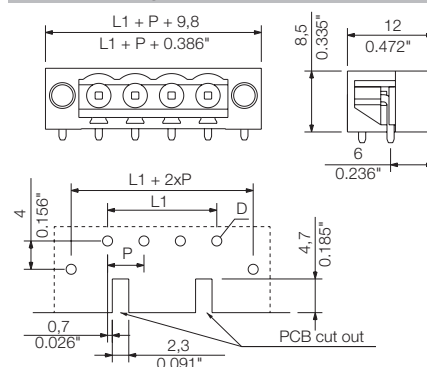
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC../270FL Box

Packaged in box; with solder flange



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Partition element	
SL AT OR	1598300000
SL AT SW	1770240000

Ordering data

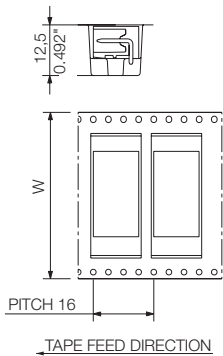
Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1878090000	1876850000
3	10.16	0.400	100	1878110000	1876860000
4	15.24	0.600	100	1878120000	1876870000
5	20.32	0.800	50	1878130000	1876880000
6	25.40	1.000	50	1878140000	1876890000
7	30.48	1.200	50	1878150000	1876900000
8	35.56	1.400	50	1878160000	1876910000

SL-SMT 5.08HC../270FL Tape

Tape-on-reel; with solder flange



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm			
Colour		Black			
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	350	1876990000	
3	10.16	0.400	350	1877000000	
4	15.24	0.600	350	1877020000	
5	20.32	0.800	350	1877070000	
6	25.40	1.000	350	1877090000	
7	30.48	1.200	300	1877110000	
8	35.56	1.400	300	1877120000	

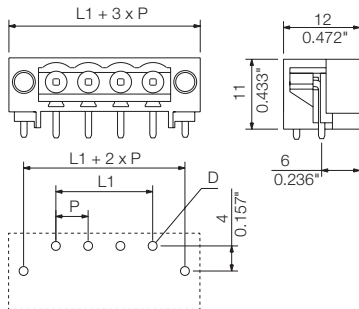
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC../270FH Box

Packaged in box; with solder flange



Dimensioned drawing



Ordering data

Solder pin length			1.5 mm		3.2 mm	
Colour			Black		Black	
Pitch			5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	5.08	0.200	100	1877960000	1877190000	
3	10.16	0.400	100	1877970000	1877210000	
4	15.24	0.600	100	1877980000	1877330000	
5	20.32	0.800	50	1877990000	1877430000	
6	25.40	1.000	50	1878000000	1877460000	
7	30.48	1.200	50	1878010000	1877480000	
8	35.56	1.400	50	1878020000	1877500000	

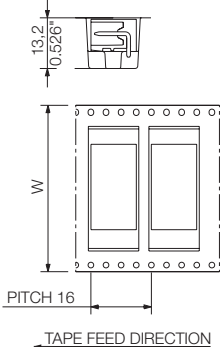
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC../270FH Tape

Tape-on-reel; with solder flange



Dimensioned drawing



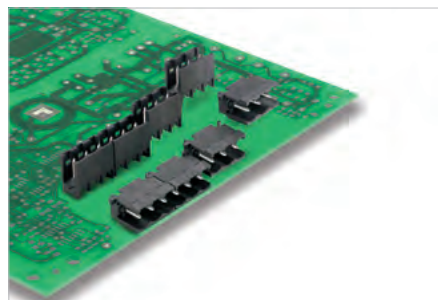
Ordering data

Solder pin length		1.5 mm			
Colour		Black			
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	335	1876920000	
3	10.16	0.400	335	1876930000	
4	15.24	0.600	335	1876940000	
5	20.32	0.800	335	1876950000	
6	25.40	1.000	335	1876960000	
7	30.48	1.200	285	1876970000	
8	35.56	1.400	285	1876980000	

Tape widths: 32, 44, 56, 72, 88

Connectors in 5.08 mm pitch Series BL/SL 5.08

SL-SMaRT 5.0xHC/./90 & 180



High-temperature-resistant, modular male header optimised for SMT processes. Any desired size can be assembled by using 2- and 3-pole male header modules

- Higher processing speed with pick-and-place machines
- Fewer part numbers
- SL-SMaRT covers pitches 5.00 and 5.08 mm
- Optimum utilisation of feeders through the need for just 2 belt conveyor systems
- Option for multi-pole male headers to be processed with pick-and-place machines
- No pick-and-place pads required – thus no need for tedious pad removal after soldering
- Packaged in tape-on-reel

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	16.5	14	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)	B C D			
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG			
CSA (Use Group)	B C D			
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG			
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.4		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 16.5 A
UL: 300 V / 15 A



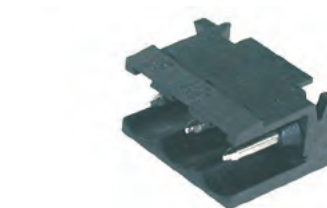
For additional articles and information, refer to catalog.weidmueller.com

Note:

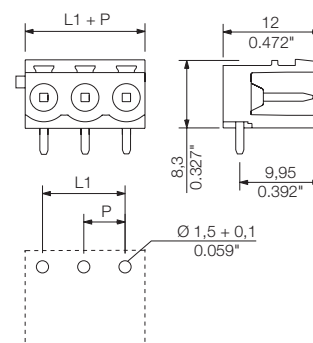
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMaRT 5.0xHC/./90 Tape

Tape-on-reel



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000
LED light guide		
	SL FLA 1.5/1	1580100000
	SL FLA 2,3/1	1636670000
	SL FLA 2,3/24	1636680000
	SL FLA 3.8/1	1580110000
	SL FLA 9.0/1	1580120000

Ordering data

Solder pin length			1.5 mm	
Colour			Black	
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	350	1812430000
3	10.16	0.400	350	1812440000

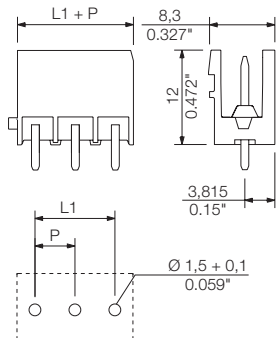
Tape widths: 32
May be used for 5.00 and 5.08 mm pitches

SL-SMaT 5.0xHC/..180 Tape

Tape-on-reel



Dimensioned drawing



Ordering data

Solder pin length		1.5 mm		
Colour		Black		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	270	1812450000
3	10.16	0.400	270	1812460000

Tape widths: 32
May be used for 5.00 and 5.08 mm pitches

SL-SMaT

The SL-SMaT System was developed in order to bring even further improvements to the benefits of conventional SMT/THR components.

The aim was to satisfy the numerous demands of automatic PCB assembly.

The result is a male connector with the following features:

- Minimum weight
- Compact form
- Processing in automatic PCB assembly machines
- Maximum assembly speed
- Standardised automatic packing
- Space-saving feeding in automatic machines (feeder as narrow as possible)
- No pick&place pad required

Automatic PCB assembly machines operate most cost-effectively when they run at maximum speed. This is not possible with heavy components.

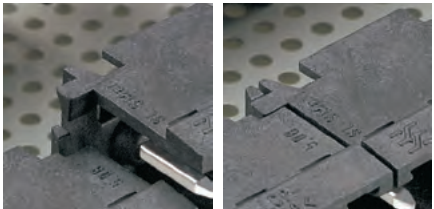
The solution is to use 2- and 3-pole male connector modules to interconnect components of any size.

Therefore, by assembling the SL-SMaT modules in one row, 23 standard male connectors (2- to 24-pole) can already be created.

The optimum tolerance design of the SL-SMaT modules enables the use at pitches of 5.00 mm (0.197 inch) and 5.08 mm (0.200 inch).

The small pitch deviation is compensated for by the spacing to the next module.

The trick is that by using the appropriate hole layout, the number of standard male connectors replaced increases from 23 to 46 variations.

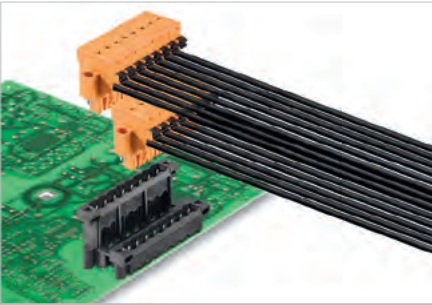


And the fact that two plug-in directions are available, 90° and 180°, means that the result is increased to 92 variations.

The optimum use of the feeder bank is possible thanks to the need for only four belt conveyor systems with a belt width of 32 mm each.

Connectors in 5.08 mm pitch
Series BL/SL 5.08

SLDV-THR 5.08/./180



Double-level, high-temperature-resistant male header, optimised for SMT processing. The connection levels are offset and designed for a female plug with screw connection or "PUSH IN" wire connect. The male headers can be manually coded or ordered as pre-coded headers.

- Available with screw flange (F) or screw & solder flange (FLF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.
- Available with 1.5 mm or 3.2 mm solder pins.
- The FLF version is featured with a soldering flange and an additional screw-fastening possibility to the PCB.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	15	13	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG			
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.5		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 15 A
UL: 300 V / 10 A



For additional articles and information, refer to
catalog.weidmueller.com

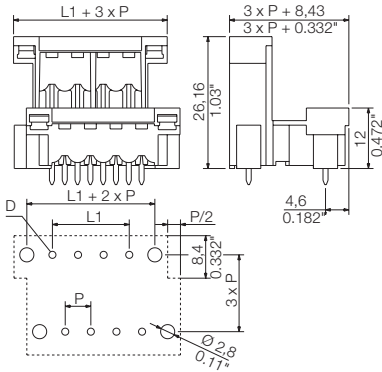
- Note:**
- Rated current related to rated cross-section & min. No. of poles.
 - Spacing between rows: see hole layout
 - P on drawing = pitch
 - Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLDV-THR 5.08/./180F

Packaged in box



Dimensioned drawing



Ordering data

Solder pin length				1.5 mm		3.2 mm	
Colour				Black		Black	
Pitch 5.08 mm							
Pol.	L1	(inch)	Qty.	Order No.	Order No.		
4	5.08	0.200	50	1828890000	1828770000		
6	10.16	0.400	50	1828900000	1828780000		
8	15.24	0.600	50	1828910000	1828790000		
10	20.32	0.800	50	1828920000	1828800000		
12	25.40	1.000	50	1828930000	1828810000		
14	30.48	1.200	20	1828940000	1828820000		
16	35.56	1.400	20	1828950000	1828830000		
18	40.64	1.600	20	1828960000	1828840000		
20	45.72	1.800	20	1828970000	1828850000		
22	50.80	2.000	10	1828980000	1828860000		
24	55.88	2.200	10	1828990000	1828870000		
26	60.96	2.400	10	1829000000	1828880000		
28	66.04	2.600	10	1881310000	1889340000		
30	71.12	2.800	10	1881320000	1889350000		
32	76.20	3.000	10	1881330000	1866330000		
34	81.28	3.200	10	1881350000	1889360000		
36	86.36	3.400	10	1881360000	1889370000		
38	91.44	3.600	10	1881380000	1889380000		
40	96.52	3.800	10	1881410000	1889390000		
42	101.60	4.000	10	1881430000	1889400000		
44	106.68	4.200	10	1881440000	1889410000		
46	111.76	4.400	10	1881450000	1889420000		
48	116.84	4.600	10	1881460000	1889430000		

Accessories

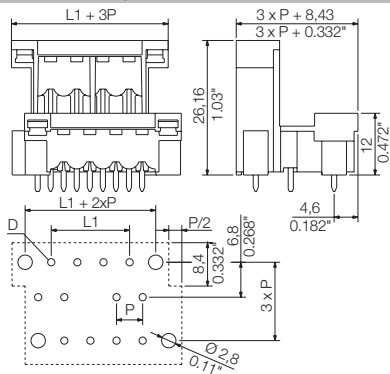
Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000

SLDV-THR 5.08/./180FLF

Packaged in box; with solder flange



Dimensioned drawing

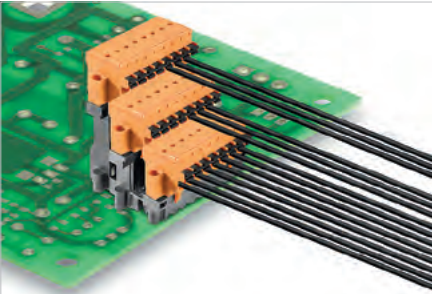


Ordering data

Solder pin length				1.5 mm	3.2 mm
Colour				Black	Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	5.08	0.200	50	1829130000	1829010000
6	10.16	0.400	50	1829140000	1829020000
8	15.24	0.600	50	1829150000	1829030000
10	20.32	0.800	50	1829160000	1829040000
12	25.40	1.000	50	1829170000	1829050000
14	30.48	1.200	20	1829180000	1829060000
16	35.56	1.400	20	1829190000	1829070000
18	40.64	1.600	20	1829200000	1829080000
20	45.72	1.800	20	1829210000	1829090000
22	50.80	2.000	10	1829220000	1829100000
24	55.88	2.200	10	1829230000	1829110000
26	60.96	2.400	10	1829240000	1829120000
28	66.04	2.600	10	1881480000	1889200000
30	71.12	2.800	10	1881500000	1889210000
32	76.20	3.000	10	1881510000	1866320000
34	81.28	3.200	10	1881520000	1889220000
36	86.36	3.400	10	1881530000	1889270000
38	91.44	3.600	10	1881540000	1889280000
40	96.52	3.800	10	1881550000	1889290000
42	101.60	4.000	10	1881560000	1889300000
44	106.68	4.200	10	1881570000	1889310000
46	111.76	4.400	10	1881580000	1889320000
48	116.84	4.600	10	1881590000	1889330000

Connectors in 5.08 mm pitch
Series BL/SL 5.08

SLH-THR 5.08/./180



High temperature-resistant male header, optimised for SMT processing. Makes a compact 3-row male header when used together with the SLDV-THR. The connection levels are offset and designed for a female plug with screw connection or "PUSH IN" wire connect. The male headers can be manually coded or ordered as pre-coded headers.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	18	13	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	200	320	320
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	13		10
AWG conductor	AWG		-	
General data				
Type of insulation material		LCP GF		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.5		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 320 V / 18 A
UL: 300 V / 10 A



For additional articles and information, refer to
catalog.weidmueller.com

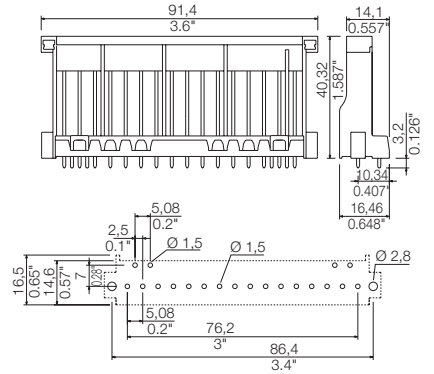
Note:

- Rated current related to rated cross-section & min. No. of poles.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLH-THR 5.08/./180F



Dimensioned drawing



Ordering data

Solder pin length				3.2 mm	
Colour				Black	
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	
16	91.40	3.600	10	1190600000	

Connectors in 5.08 mm pitch Series BL/SL 5.08

SL 5.08HC/./90



Male headers made from glass-fibre-reinforced plastic with 90° wire outlet; optimised for wave soldering, absolut dimension stable. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	24		21
At ambient temperature		20°C		40°C
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	15		10
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	15		10
AWG conductor	AWG			-
General data				
Type of insulation material			PA GF	
UL 94 flammability rating			V-0	
Contact base material			Cu-Leg	
Material of contact surface			tinned	
Pin dimensions = d	mm		1.2, Octagonal	
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Product data

IEC: 400 V / 24 A
UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmueller.com

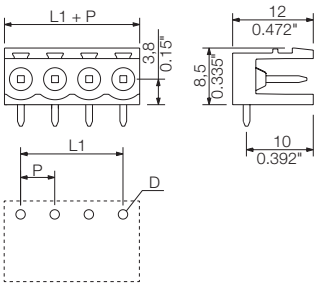
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 5.08HC/./90



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000
LED light guide		
	SL FLA 1.5/1	1580100000
	SL FLA 2,3/1	1636670000
	SL FLA 2,3/24	1636680000
	SL FLA 3.8/1	1580110000
	SL FLA 9.0/1	1580120000
Mounting block		
	SLA BB11R OR	1604120000
	SLA BB11R SW	1692340000

Ordering data

Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1146720000	1155030000
3	10.16	0.400	100	1146740000	1155040000
4	15.24	0.600	100	1146770000	1155050000
5	20.32	0.800	50	1146790000	1155060000
6	25.40	1.000	50	1146810000	1155070000
7	30.48	1.200	50	1146830000	1155080000
8	35.56	1.400	50	1146850000	1155090000
9	40.64	1.600	50	1146880000	1155100000
10	45.72	1.800	50	1146900000	1155130000
11	50.80	2.000	50	1146920000	1155140000
12	55.88	2.200	50	1146940000	1155150000
13	60.96	2.400	50	1146970000	1155170000
14	66.04	2.600	50	1146990000	1155180000
15	71.12	2.800	50	1147010000	1155190000
16	76.20	3.000	50	1147030000	1155200000
17	81.28	3.200	20	1147050000	1155230000
18	86.36	3.400	20	1147080000	1155240000
19	91.44	3.600	20	1147100000	1155250000
20	96.52	3.800	20	1147120000	1155270000
21	101.60	4.000	20	1147150000	1155280000
22	106.68	4.200	20	1147190000	1155290000
23	111.76	4.400	20	1147220000	1155300000
24	116.84	4.600	20	1147250000	1155310000

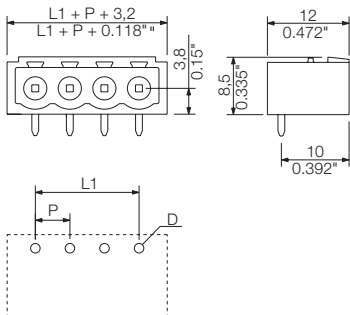
5.08

90°

SL 5.08HC../90G



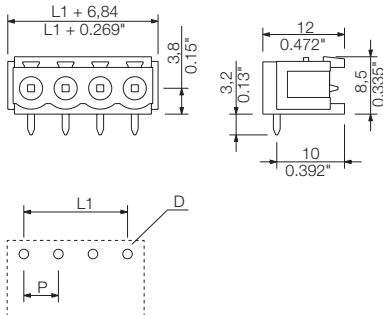
Dimensioned drawing



SL 5.08HC../90B



Dimensioned drawing



Ordering data

Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch				5.08 mm	
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1147280000	1155320000
3	10.16	0.400	100	1147310000	1155330000
4	15.24	0.600	100	1147340000	1155340000
5	20.32	0.800	50	1147370000	1155350000
6	25.40	1.000	50	1147400000	1155370000
7	30.48	1.200	50	1147420000	1155380000
8	35.56	1.400	50	1147450000	1155390000
9	40.64	1.600	50	1147490000	1155400000
10	45.72	1.800	50	1147530000	1155410000
11	50.80	2.000	50	1147570000	1155420000
12	55.88	2.200	50	1147600000	1155430000
13	60.96	2.400	50	1147630000	1155440000
14	66.04	2.600	50	1147680000	1155450000
15	71.12	2.800	50	1147700000	1155470000
16	76.20	3.000	50	1147740000	1155480000
17	81.28	3.200	20	1147780000	1155490000
18	86.36	3.400	20	1147810000	1155500000
19	91.44	3.600	20	1147840000	1155510000
20	96.52	3.800	20	1147880000	1155520000
21	101.60	4.000	20	1147910000	1155530000
22	106.68	4.200	20	1147940000	1155540000
23	111.76	4.400	20	1147980000	1155550000
24	116.84	4.600	20	1148000000	1155570000

Ordering data

Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch				5.08 mm	
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1148030000	1155580000
3	10.16	0.400	100	1148070000	1155590000
4	15.24	0.600	100	1148100000	1155600000
5	20.32	0.800	50	1148130000	1155610000
6	25.40	1.000	50	1148170000	1155620000
7	30.48	1.200	50	1148200000	1155630000
8	35.56	1.400	50	1154830000	1155640000
9	40.64	1.600	50	1154840000	1155650000
10	45.72	1.800	50	1154850000	1155670000
11	50.80	2.000	50	1154870000	1155680000
12	55.88	2.200	50	1154880000	1155690000
13	60.96	2.400	50	1154890000	1155700000
14	66.04	2.600	50	1154900000	1155710000
15	71.12	2.800	50	1154910000	1155720000
16	76.20	3.000	50	1154920000	1155730000
17	81.28	3.200	20	1154930000	1155740000
18	86.36	3.400	20	1154940000	1155750000
19	91.44	3.600	20	1154950000	1155770000
20	96.52	3.800	20	1154970000	1155780000
21	101.60	4.000	20	1154980000	1155790000
22	106.68	4.200	20	1154990000	1155800000
23	111.76	4.400	20	1155010000	1155810000
24	116.84	4.600	20	1155020000	1155820000

Connectors in 5.08 mm pitch
Series BL/SL 5.08

SL 5.08HC/./90



Male headers made from glass-fibre-reinforced plastic with 90° wire outlet; optimised for wave soldering, absolut dimension stable. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	24	21	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 24 A
UL: 300 V / 15 A



For additional articles and information, refer to
catalog.weidmueller.com

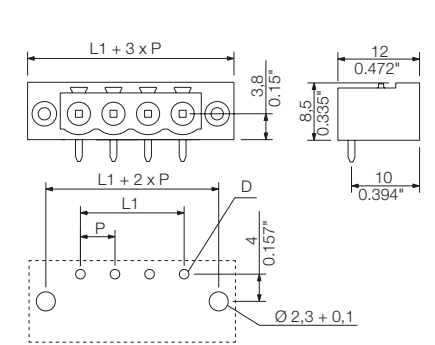
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 5.08HC/./90F



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000
LED light guide		
	SL FLA 1.5/1	1580100000
	SL FLA 2,3/1	1636670000
	SL FLA 2,3/24	1636680000
	SL FLA 3.8/1	1580110000
	SL FLA 9.0/1	1580120000

Ordering data

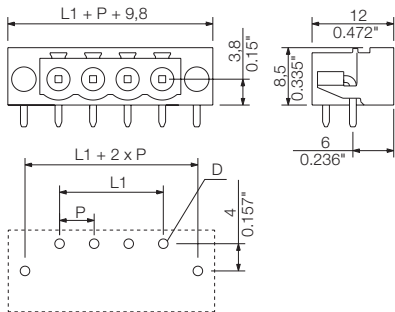
Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1148610000	1150090000
3	10.16	0.400	100	1148640000	1150100000
4	15.24	0.600	100	1148680000	1150110000
5	20.32	0.800	50	1148710000	1150120000
6	25.40	1.000	50	1148740000	1150130000
7	30.48	1.200	50	1148780000	1150140000
8	35.56	1.400	50	1148810000	1150150000
9	40.64	1.600	50	1148840000	1150170000
10	45.72	1.800	50	1148880000	1150180000
11	50.80	2.000	50	1148910000	1150190000
12	55.88	2.200	50	1148940000	1150200000
13	60.96	2.400	50	1148980000	1150210000
14	66.04	2.600	50	1149010000	1150220000
15	71.12	2.800	50	1149040000	1150230000
16	76.20	3.000	50	1149080000	1150240000
17	81.28	3.200	20	1149110000	1150250000
18	86.36	3.400	20	1149140000	1150270000
19	91.44	3.600	20	1149180000	1150280000
20	96.52	3.800	20	1149210000	1150290000
21	101.60	4.000	20	1149240000	1150300000
22	106.68	4.200	20	1149280000	1150310000
23	111.76	4.400	20	1149310000	1150320000
24	116.84	4.600	20	1149340000	1150330000

SL 5.08HC/./90LF

with solder flange

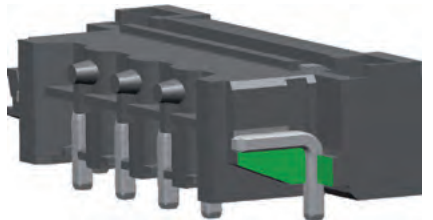


Dimensioned drawing



Solder flange (LF)

Normally you use a pin header with fastening flanges (F) in combination with a screw from the rear side of the PCB to increase the fixation forces of the pin headers. The disadvantages are additional process steps that make the PCB mounting complex and cost intensive. The patented solder flange was designed to solve exactly this problem and find a simple and cheap solution. The additional solder pins substitute the present screw flanges and they get soldered together with the pin header. This terminates additional process steps and thus reduces production costs. The additional fixation protects the soldered connections from tensile strain and avoids permanent mechanical stress such as caused by the post-fastened screw forces.

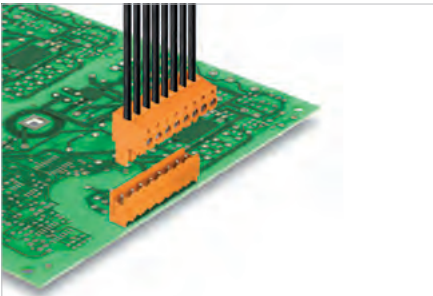


Ordering data

Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch				5.08 mm	
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1149380000	1150340000
3	10.16	0.400	100	1149410000	1150350000
4	15.24	0.600	100	1149440000	1150370000
5	20.32	0.800	50	1149480000	1150380000
6	25.40	1.000	50	1149510000	1150390000
7	30.48	1.200	50	1149540000	1150400000
8	35.56	1.400	50	1149580000	1150410000
9	40.64	1.600	50	1149610000	1150420000
10	45.72	1.800	50	1149640000	1150430000
11	50.80	2.000	50	1149680000	1150440000
12	55.88	2.200	50	1149710000	1150450000
13	60.96	2.400	50	1149740000	1150470000
14	66.04	2.600	50	1149780000	1150480000
15	71.12	2.800	50	1149810000	1150490000
16	76.20	3.000	50	1149840000	1150500000
17	81.28	3.200	20	1149880000	1150510000
18	86.36	3.400	20	1149910000	1150520000
19	91.44	3.600	20	1149940000	1150530000
20	96.52	3.800	20	1149980000	1150540000
21	101.60	4.000	20	1150000000	1150550000
22	106.68	4.200	20	1150020000	1150570000
23	111.76	4.400	20	1150040000	1150580000
24	116.84	4.600	20	1150070000	1150590000

Connectors in 5.08 mm pitch
Series BL/SL 5.08

SL 5.08HC/./180



Male headers made from glass-fibre-reinforced plastic with 180° wire outlet; optimised for wave soldering, absolut dimension stable. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	24	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	16	10
AWG conductor	AWG		-
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG		-
General data			
Type of insulation material		PA GF	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	1.2, Octagonal	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Product data

IEC: 400 V / 24 A
UL: 300 V / 16 A



For additional articles and information, refer to
catalog.weidmueller.com

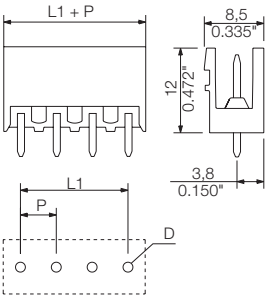
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 5.08HC/./180



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000
Mounting block		
	SLA BB11R OR	1604120000
	SLA BB11R SW	1692340000

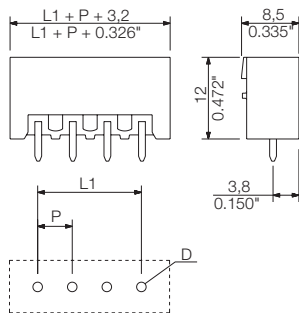
Ordering data

Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1146320000	1148080000
3	10.16	0.400	100	1146340000	1148110000
4	15.24	0.600	100	1146380000	1148140000
5	20.32	0.800	50	1146410000	1148180000
6	25.40	1.000	50	1146450000	1148210000
7	30.48	1.200	50	1146470000	1148230000
8	35.56	1.400	50	1146490000	1148250000
9	40.64	1.600	50	1146510000	1148270000
10	45.72	1.800	50	1146530000	1148290000
11	50.80	2.000	50	1146550000	1148310000
12	55.88	2.200	50	1146570000	1148330000
13	60.96	2.400	50	1146580000	1148350000
14	66.04	2.600	50	1146590000	1148370000
15	71.12	2.800	50	1146600000	1148390000
16	76.20	3.000	50	1146610000	1148410000
17	81.28	3.200	20	1146620000	1148430000
18	86.36	3.400	20	1146630000	1148450000
19	91.44	3.600	20	1146640000	1148480000
20	96.52	3.800	20	1146650000	1148510000
21	101.60	4.000	20	1146680000	1148530000
22	106.68	4.200	20	1146690000	1148550000
23	111.76	4.400	20	1146700000	1148580000
24	116.84	4.600	20	1146710000	1148600000

SL 5.08HC../180G



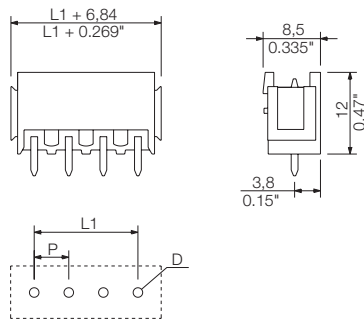
Dimensioned drawing



SL 5.08HC../180B



Dimensioned drawing



Ordering data

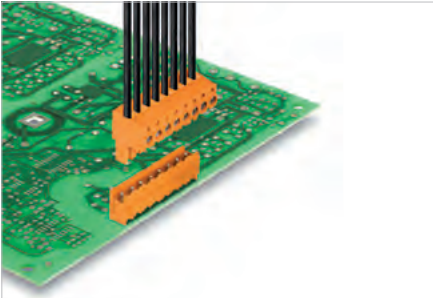
Solder pin length			3.2 mm	3.2 mm	
Colour			Orange	Black	
Pitch			5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1146730000	1148630000
3	10.16	0.400	100	1146750000	1148670000
4	15.24	0.600	100	1146780000	1148700000
5	20.32	0.800	50	1146800000	1148730000
6	25.40	1.000	50	1146820000	1148770000
7	30.48	1.200	50	1146840000	1148800000
8	35.56	1.400	50	1146870000	1148830000
9	40.64	1.600	50	1146890000	1148870000
10	45.72	1.800	50	1146910000	1148900000
11	50.80	2.000	50	1146930000	1148930000
12	55.88	2.200	50	1146950000	1148970000
13	60.96	2.400	50	1146980000	1149000000
14	66.04	2.600	50	1147000000	1149030000
15	71.12	2.800	50	1147020000	1149070000
16	76.20	3.000	50	1147040000	1149100000
17	81.28	3.200	20	1147070000	1149130000
18	86.36	3.400	20	1147090000	1149170000
19	91.44	3.600	20	1147110000	1149200000
20	96.52	3.800	20	1147140000	1149230000
21	101.60	4.000	20	1147180000	1149270000
22	106.68	4.200	20	1147210000	1149300000
23	111.76	4.400	20	1147240000	1149330000
24	116.84	4.600	20	1147270000	1149370000

Ordering data

Solder pin length			3.2 mm	3.2 mm	
Colour			Orange	Black	
Pitch			5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1147300000	1149400000
3	10.16	0.400	100	1147330000	1149430000
4	15.24	0.600	100	1147360000	1149470000
5	20.32	0.800	50	1147390000	1149500000
6	25.40	1.000	50	1147430000	1149530000
7	30.48	1.200	50	1147470000	1149570000
8	35.56	1.400	50	1147510000	1149600000
9	40.64	1.600	50	1147540000	1149630000
10	45.72	1.800	50	1147580000	1149670000
11	50.80	2.000	50	1147610000	1149700000
12	55.88	2.200	50	1147640000	1149730000
13	60.96	2.400	50	1147670000	1149770000
14	66.04	2.600	50	1147710000	1149800000
15	71.12	2.800	50	1147730000	1149830000
16	76.20	3.000	50	1147770000	1149870000
17	81.28	3.200	20	1147800000	1149900000
18	86.36	3.400	20	1147830000	1149930000
19	91.44	3.600	20	1147870000	1149970000
20	96.52	3.800	20	1147900000	1149990000
21	101.60	4.000	20	1147930000	1150010000
22	106.68	4.200	20	1147970000	1150030000
23	111.76	4.400	20	1148010000	1150050000
24	116.84	4.600	20	1148040000	1150080000

Connectors in 5.08 mm pitch
Series BL/SL 5.08

SL 5.08HC/./180



Male headers made from glass-fibre-reinforced plastic with 180° wire outlet; optimised for wave soldering, absolut dimension stable. The male headers can be manually coded or ordered as pre-coded headers.

- Available in open, closed (G), with screw flange (F) or with solder Flange (LF).
- The solder flange makes an additional screw-fixation to the PCB unnecessary and protects the solder joints against mechanical stress.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	24	21	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	16	10	
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG		-	
General data				
Type of insulation material		PA GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 24 A
UL: 300 V / 16 A



For additional articles and information, refer to
catalog.weidmueller.com

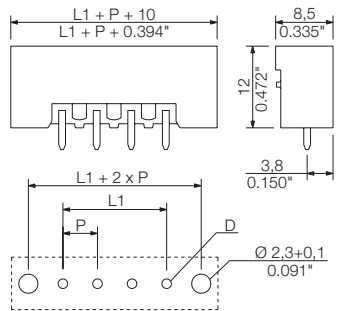
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL 5.08HC/./180F



Dimensioned drawing



Ordering data

Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1147130000	1148490000
3	10.16	0.400	100	1147170000	1148520000
4	15.24	0.600	100	1147200000	1148540000
5	20.32	0.800	50	1147230000	1148570000
6	25.40	1.000	50	1147260000	1148590000
7	30.48	1.200	50	1147290000	1148620000
8	35.56	1.400	50	1147320000	1148650000
9	40.64	1.600	50	1147350000	1148690000
10	45.72	1.800	50	1147380000	1148720000
11	50.80	2.000	50	1147410000	1148750000
12	55.88	2.200	50	1147440000	1148790000
13	60.96	2.400	50	1147480000	1148820000
14	66.04	2.600	50	1147520000	1148850000
15	71.12	2.800	50	1147550000	1148890000
16	76.20	3.000	50	1147590000	1148920000
17	81.28	3.200	20	1147620000	1148950000
18	86.36	3.400	20	1147650000	1148990000
19	91.44	3.600	20	1147690000	1149020000
20	96.52	3.800	20	1147720000	1149050000
21	101.60	4.000	20	1147750000	1149090000
22	106.68	4.200	20	1147790000	1149120000
23	111.76	4.400	20	1147820000	1149150000
24	116.84	4.600	20	1147850000	1149190000

Accessories

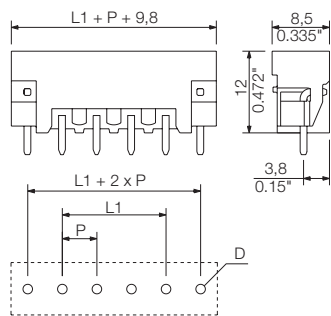
Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000

SL 5.08HC/./180LF

with solder flange



Dimensioned drawing

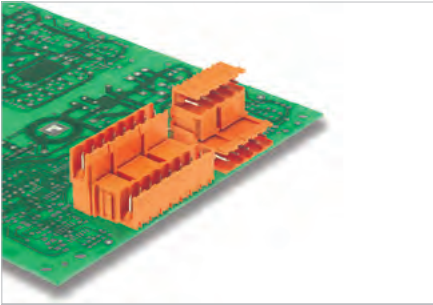


Ordering data

Solder pin length				3.2 mm	3.2 mm
Colour				Orange	Black
Pitch				5.08 mm	
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1147890000	1149220000
3	10.16	0.400	100	1147920000	1149250000
4	15.24	0.600	100	1147950000	1149290000
5	20.32	0.800	50	1147990000	1149320000
6	25.40	1.000	50	1148020000	1149350000
7	30.48	1.200	50	1148050000	1149390000
8	35.56	1.400	50	1148090000	1149420000
9	40.64	1.600	50	1148120000	1149450000
10	45.72	1.800	50	1148150000	1149490000
11	50.80	2.000	50	1148190000	1149520000
12	55.88	2.200	50	1148220000	1149550000
13	60.96	2.400	50	1148240000	1149590000
14	66.04	2.600	50	1148260000	1149620000
15	71.12	2.800	50	1148280000	1149650000
16	76.20	3.000	50	1148300000	1149690000
17	81.28	3.200	20	1148320000	1149720000
18	86.36	3.400	20	1148340000	1149750000
19	91.44	3.600	20	1148360000	1149790000
20	96.52	3.800	20	1148380000	1149820000
21	101.60	4.000	20	1148400000	1149850000
22	106.68	4.200	20	1148420000	1149890000
23	111.76	4.400	20	1148440000	1149920000
24	116.84	4.600	20	1148470000	1149950000

Connectors in 5.08 mm pitch
Series BL/SL 5.08

SLD 5.08V/./90 & 180



Double-level male header optimised for wave soldering. The connection levels are offset and designed for a female plug with screw- or "PUSH IN" wire connect. All male headers can be manually coded or ordered as pre-coded headers.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17	15	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 17 A
UL: 300 V / 10 A



For additional articles and information, refer to
catalog.weidmueller.com

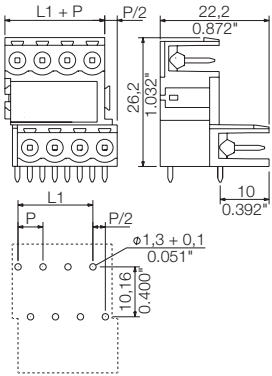
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLD 5.08V/90



Dimensioned drawing



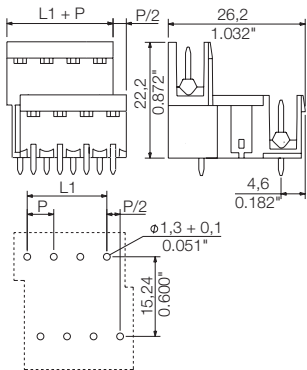
Ordering data

Solder pin length					3.2 mm
Colour					Orange
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	
4	5.08	0.200	50	1725170000	
6	25.40	1.000	50	1725180000	
8	35.56	1.400	50	1725190000	
10	45.72	1.800	50	1725200000	
12	55.88	2.200	50	1725210000	
14	66.04	2.600	20	1725220000	
16	76.20	3.000	20	1725230000	
18	86.36	3.400	20	1725240000	
20	96.52	3.800	20	1725250000	
22	106.68	4.200	10	1725260000	
24	116.84	4.600	10	1725270000	
26	60.96	2.400	10	1725280000	
28	66.04	2.600	10	1725290000	
30	71.12	2.800	10	1725300000	
32	76.20	3.000	10	1725310000	
34	81.28	3.200	10	1725320000	
36	86.36	3.400	10	1725330000	
38	91.44	3.600	10	1725340000	
40	96.52	3.800	10	1725350000	
42	101.60	4.000	10	1725360000	
44	106.68	4.200	10	1725370000	
46	111.76	4.400	10	1725380000	
48	116.84	4.600	10	1725390000	

SLD 5.08V/180



Dimensioned drawing

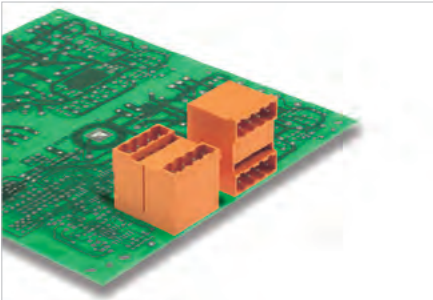


Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1725650000
6	10.16	0.400	50	1725660000
8	15.24	0.600	50	1725670000
10	45.72	1.800	50	1725680000
12	55.88	2.200	50	1725690000
14	66.04	2.600	20	1725700000
16	76.20	3.000	20	1725710000
18	86.36	3.400	20	1725720000
20	96.52	3.800	20	1725730000
22	106.68	4.200	10	1725740000
24	116.84	4.600	10	1725750000
26	60.96	2.400	10	1725760000
28	66.04	2.600	10	1725770000
30	71.12	2.800	10	1725780000
32	76.20	3.000	10	1725790000
34	81.28	3.200	10	1725800000
36	86.36	3.400	10	1725810000
38	91.44	3.600	10	1725820000
40	96.52	3.800	10	1725830000
42	101.60	4.000	10	1725840000
44	106.68	4.200	10	1725850000
46	111.76	4.400	10	1725860000
48	116.84	4.600	10	1725870000

Connectors in 5.08 mm pitch
Series BL/SL 5.08

SLD 5.08../90 & 180



Double-level male header optimised for wave soldering. The connections are at the same level – with access that is flush over the front board. The male headers can be manually coded or ordered as pre-coded headers.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	11	9.5	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm	1.2, Octagonal		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 11 A
UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

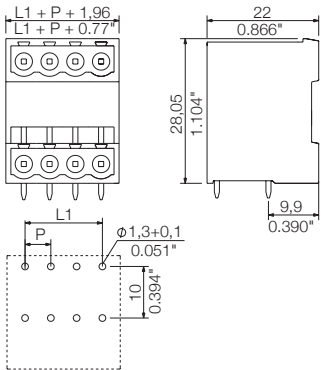
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLD 5.08../90G



Dimensioned drawing



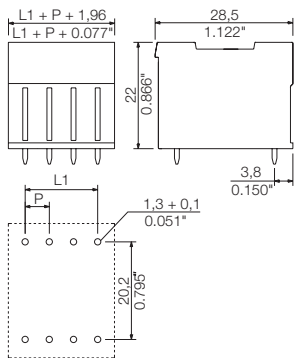
Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1601790000
6	25.40	1.000	50	1601800000
8	35.56	1.400	50	1601810000
10	45.72	1.800	50	1601820000
12	55.88	2.200	50	1601830000
14	66.04	2.600	20	1601840000
16	76.20	3.000	20	1601850000
18	86.36	3.400	20	1601860000
20	96.52	3.800	20	1601870000
22	106.68	4.200	10	1601880000
24	116.84	4.600	10	1601890000
26	60.96	2.400	10	1601900000
28	66.04	2.600	10	1601910000
30	71.12	2.800	10	1601920000
32	76.20	3.000	10	1601930000
34	81.28	3.200	10	1601940000
36	86.36	3.400	10	1601950000
38	91.44	3.600	10	1601960000
40	96.52	3.800	10	1601970000
42	101.60	4.000	10	1601980000
44	106.68	4.200	10	1601990000
46	111.76	4.400	10	1602000000
48	116.84	4.600	10	1602010000

SLD 5.08/./180G



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1602390000
6	25.40	1.000	50	1602400000
8	35.56	1.400	50	1602410000
10	45.72	1.800	50	1602420000
12	55.88	2.200	50	1602430000
14	66.04	2.600	20	1602440000
16	76.20	3.000	20	1602450000
18	86.36	3.400	20	1602460000
20	96.52	3.800	20	1602470000
22	106.68	4.200	10	1602480000
24	116.84	4.600	10	1602490000
26	60.96	2.400	10	1602500000
28	66.04	2.600	10	1602510000
30	71.12	2.800	10	1602520000
32	76.20	3.000	10	1602530000
34	81.28	3.200	10	1602540000
36	86.36	3.400	10	1602550000
38	91.44	3.600	10	1602560000
40	96.52	3.800	10	1602570000
42	101.60	4.000	10	1602580000
44	106.68	4.200	10	1602590000
46	111.76	4.400	10	1602600000
48	116.84	4.600	10	1602610000

Connectors in 5.08 mm pitch
Series BL/SL 5.08

SLDF 5.08 L/F ..



Feed-through male connector with optional locking function, for mounting on front plate. Internal connection as flat-blade or solder connection. All male headers can be manually coded or ordered as pre-coded headers.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	15	13	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			CuSn	
Material of contact surface			tinned	
Pin dimensions = d	mm			
Solder eyelet Ø = D	mm			
Solder eyelet Ø tolerance	mm			

Product data

IEC: 400 V / 15 A
UL: 300 V / 10 A



For additional articles and information, refer to
catalog.weidmueller.com

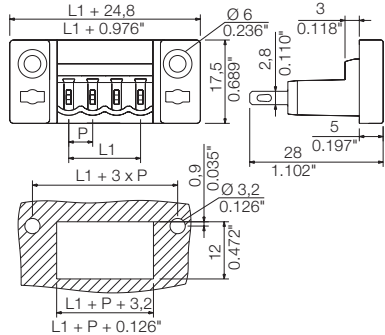
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Connectable cables with solder connection solid and flexible up to 2.5 mm² with insulating/shrink-wrap sleeve or from 2.8 mm flat blade receptacles with insulated sleeves acc. to DIN IEC 760
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLDF 5.08 L/F ..



Dimensioned drawing



Ordering data

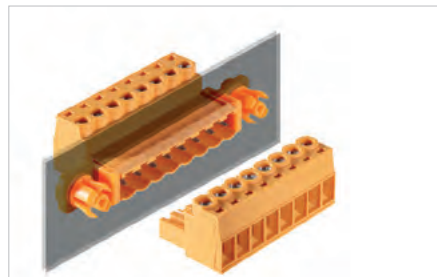
Solder pin length				
Colour				Orange
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1599130000
3	10.16	0.400	100	1599140000
4	15.24	0.600	100	1599150000
5	20.32	0.800	50	1599160000
6	25.40	1.000	50	1599170000
7	30.48	1.200	50	1599180000
8	35.56	1.400	50	1599190000
9	40.64	1.600	50	1599200000
10	45.72	1.800	50	1599210000
11	50.80	2.000	50	1599220000
12	55.88	2.200	50	1599230000
13	60.96	2.400	50	1599240000
14	66.04	2.600	50	1599250000
15	71.12	2.800	50	1599260000
16	76.20	3.000	50	1599270000

Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000
Interlock		
	SLDF VR BK	1599120000

Connectors in 5.08 mm pitch
Series BL/SL 5.08

SLS 5.08/./180DF



Male plug with clamping yoke/screw connection and straight wire outlet. The male plugs feature space for labelling and can be coded. Packed in a cardboard box.

- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications as wall or device feed-through
- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications / flying lead couplings
- SLS 5.08 FI & BLL 5.08 FI for board-to-wire connections (power supply for actuators)
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...2.5	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264-A	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	21.5	18
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 21.5 A / 0.2 - 2.5 mm²

UL: 300 V / 14 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

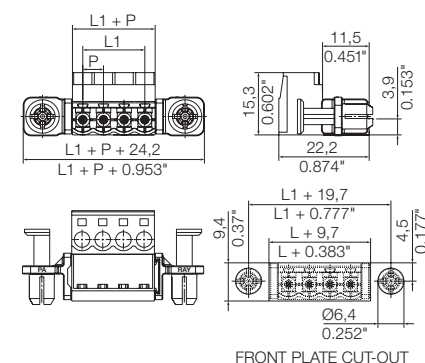
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLS 5.08/./180DF



Dimensioned drawing



Accessories

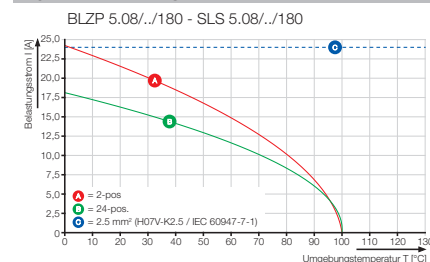
Note: Refer to the Accessories chapter for additional accessories.

Strain relief	Order No.
BLZ 5.08 ZE04 BK BX	1652130000
BLZ 5.08 ZE04 OR BX	1652110000
BLZ 5.08 ZE08 BK BX	1652070000
BLZ 5.08 ZE08 OR BX	1652050000
Coding	
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Partition element	
SL AT OR	1598300000
SL AT SW	1770240000

Ordering data

Solder pin length				
Colour	Orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	54	1353470000
3	10.16	0.400	42	1353480000
4	15.24	0.600	42	1353490000
5	20.32	0.800	36	1353500000
6	25.40	1.000	30	1353520000
7	30.48	1.200	30	1353530000
8	35.56	1.400	24	1353540000
9	40.64	1.600	24	1353550000
10	45.72	1.800	24	1353570000

Representative deratings curve

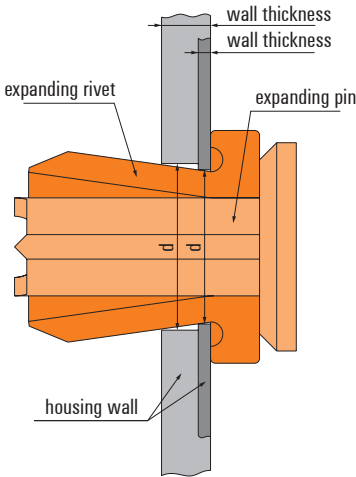


Flexibility & safety

Maximum flexibility and optimum safety should be guaranteed when designing this equipment.

This application can be made with various connection systems: a TOP connection with a screw, clamping yoke or "PUSH IN". It is necessary to adapt the hole size, as appropriate, to the expanding rivets so that they are able respond to the thickness of the customers' housing wall whilst still being able to guarantee the highest level of safety. This means we strike just the right balance between easy pin insertion without using a tool and optimum stability and vibration resistance for the entire coupling during the application.

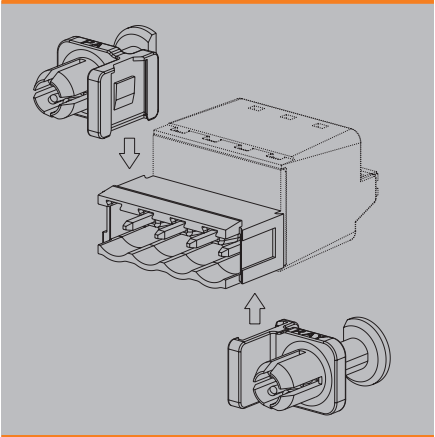
BBDF sectional drawing in the wall of the housing



hole size table

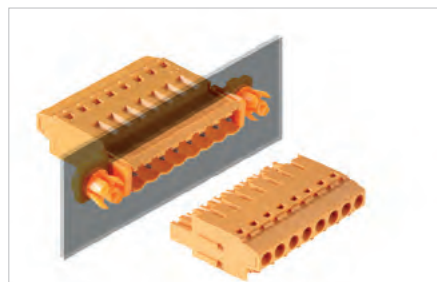
	housing wall thickness	hole size (p)
mm	0.5 - 0.8	6.3
	1	6.4
	1.5	6.5
	2	6.7
inch	0.019 - 0.031	0.248
	0.039	0.252
	0.059	0.256
	0.079	0.264

assembly description



Connectors in 5.08 mm pitch Series BL/SL 5.08

SLT 5.08../180DF



Male plug with clamping yoke/screw connection and straight wire outlet. The male plugs feature space for labelling and can be coded. Packed in a cardboard box.

- SLT 5.08 DF & BLT 5.08 for wire-to-wire applications in the form of wall or device feed-through
- SLT 5.08 F & BLT 5.08 F for wire-to-wire applications / flying lead couplings
- SLT 5.08 FI & BLT 5.08 FI for board-to-wire connections (power supply for actuators)
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations.

Product data

IEC: 400 V / 16 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

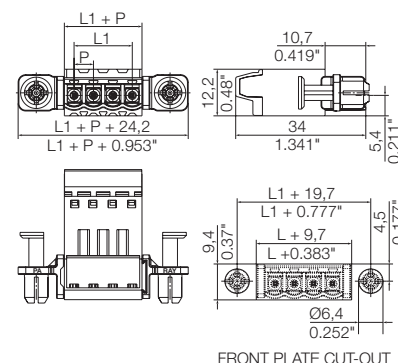
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Crimp form A for wire end ferrules with PZ1.5 or PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLT 5.08../180DF



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.2...1.5	
Ferrule with plastic collar	mm ²	0.2...1.5	
Stripping length	mm	13	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	16	13
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	400
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-14	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-14	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material			
Material of contact surface			
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Partition element	
SL AT OR	1598300000
SL AT SW	1770240000

Ordering data

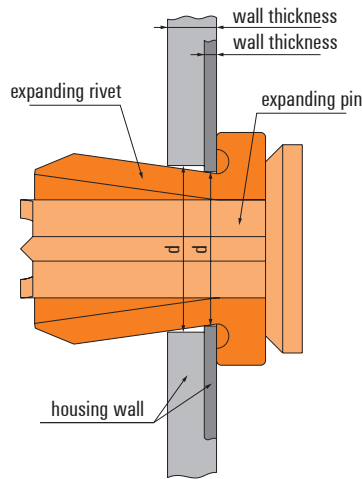
Solder pin length				
Colour	Orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	54	1353350000
3	10.16	0.400	42	1353370000
4	15.24	0.600	42	1353380000
5	20.32	0.800	36	1353390000
6	25.40	1.000	30	1353400000
7	30.48	1.200	30	1353420000
8	35.56	1.400	24	1353430000
9	40.64	1.600	24	1353440000
10	45.72	1.800	24	1353450000

Flexibility & safety

Maximum flexibility and optimum safety should be guaranteed when designing this equipment.

This application can be made with various connection systems: a TOP connection with a screw, clamping yoke or "PUSH IN". It is necessary to adapt the hole size, as appropriate, to the expanding rivets so that they are able respond to the thickness of the customers' housing wall whilst still being able to guarantee the highest level of safety. This means we strike just the right balance between easy pin insertion without using a tool and optimum stability and vibration resistance for the entire coupling during the application.

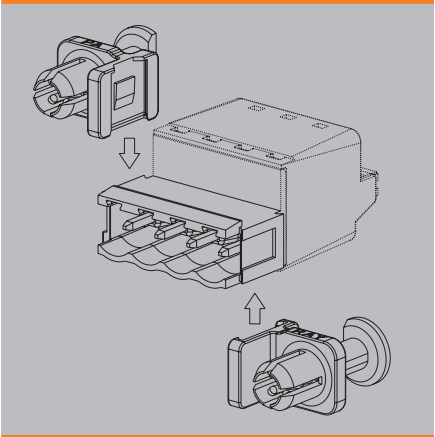
BBDF sectional drawing in the wall of the housing



hole size table

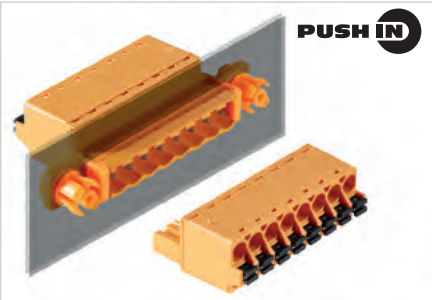
	housing wall thickness	hole size (p)
mm	0.5 - 0.8	6.3
	1	6.4
	1.5	6.5
	2	6.7
inch	0.019 - 0.031	0.248
	0.039	0.252
	0.059	0.256
	0.079	0.264

assembly description



Connectors in 5.08 mm pitch
Series BL/SL 5.08

SLF 5.08/./180DF



Male plug with "PUSH IN" wire connection system, with straight wire outlet. The male plugs feature space for labelling and can be coded. Packed in a cardboard box.

- SLF 5.08 DF & BLF 5.08 for wire-to-wire applications in the form of panel or device feed-through)
- SLF 5.08 F & BLF 5.08 F for wire-to-wire applications / flying lead couplings
- SLF 5.08 FI & BLF 5.08 FI for board-to-wire connections (power supply for actuators)

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...2.5	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm		
Rated current, max.	A	25.9	22.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	400
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 25.9 A / 0.2 - 2.5 mm²
UL: 300 V / 14 A / AWG 26 - 12

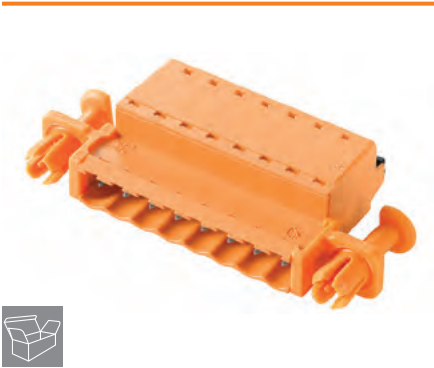


For additional articles and information, refer to catalog.weidmueller.com

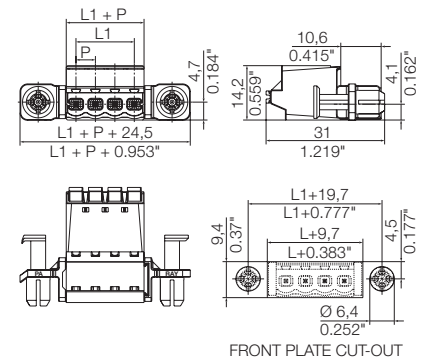
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch

SLF 5.08/./180DF



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Screwdriver		
	SDIS 0.6X3.5X100	9008390000
	SDS 0.6X3.5X100	9008330000
Wire-end ferrule		
	H0,5/14S W	9004590000
	H1,5/14S SW	9025240000
	H2,5/14S BL	1333100000

Ordering data

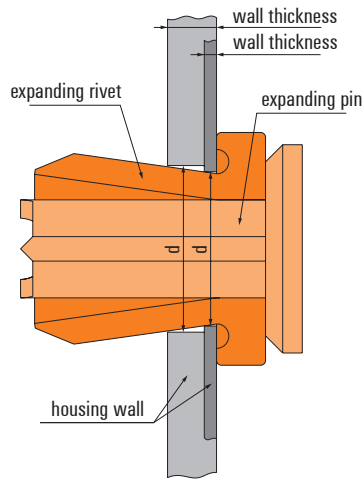
Solder pin length				
Colour	Orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	54	1353580000
3	10.16	0.400	42	1353590000
4	15.24	0.600	42	1353600000
5	20.32	0.800	36	1353620000
6	25.40	1.000	30	1353630000
7	30.48	1.200	30	1353640000
8	35.56	1.400	24	1353650000
9	40.64	1.600	24	1353670000
10	45.72	1.800	24	1353680000

Flexibility & safety

Maximum flexibility and optimum safety should be guaranteed when designing this equipment.

This application can be made with various connection systems: a TOP connection with a screw, clamping yoke or "PUSH IN". It is necessary to adapt the hole size, as appropriate, to the expanding rivets so that they are able respond to the thickness of the customers' housing wall whilst still being able to guarantee the highest level of safety. This means we strike just the right balance between easy pin insertion without using a tool and optimum stability and vibration resistance for the entire coupling during the application.

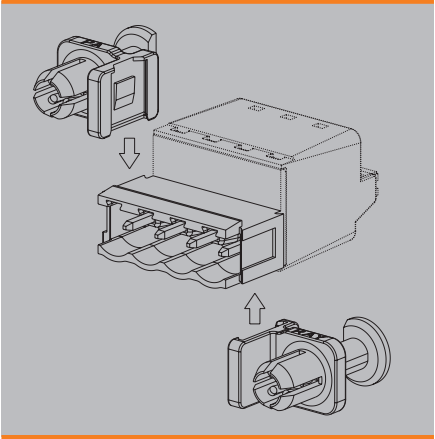
BBDF sectional drawing in the wall of the housing



hole size table

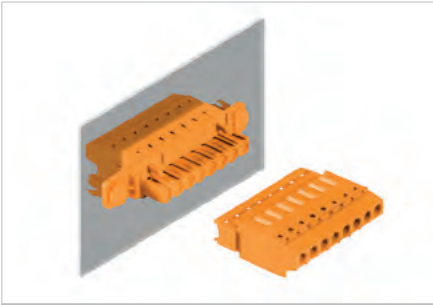
	housing wall thickness	hole size (p)
mm	0.5 - 0.8	6.3
	1	6.4
	1.5	6.5
	2	6.7
inch	0.019 - 0.031	0.248
	0.039	0.252
	0.059	0.256
	0.079	0.264

assembly description



Connectors in 5.08 mm pitch
Series BL/SL 5.08

BLT 5.08/./180DF



Female plug with clamping-yoke screw connection system and straight wire outlet. The female plugs provide space for labelling and can be coded. Packed in cardboard box.

- SLT 5.08 & BLT 5.08 DF for wire-to-wire applications as wall or device feed-through

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²	0.13...2.5	
Solid core H05(07) V-U	mm²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm²	0.2...1.5	
Flexible with ferrule	mm²	0.2...1.5	
Ferrule with plastic collar	mm²	0.2...1.5	
Stripping length	mm	13	
Screwdriver blade	mm		
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	17	15
At ambient temperature		20°C	40°C
For conductor cross-section	mm²	2.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	400
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	13	10
AWG conductor	AWG	26-14	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-14	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface			
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 17 A / 0.2 - 2.5 mm²
UL: 300 V / 13 A / AWG 26 - 14



For additional articles and information, refer to
catalog.weidmueller.com

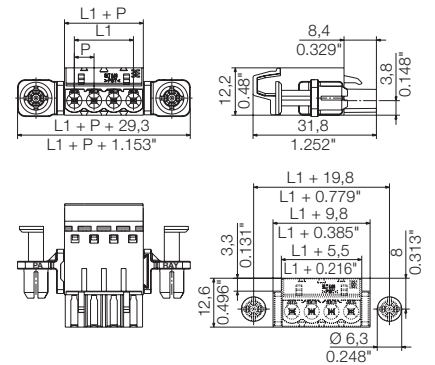
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch

BLT 5.08/./180DF



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Screwdriver		
	SDIS 0.6X3.5X100	9008390000
	SDS 0.6X3.5X100	9008330000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000

Ordering data

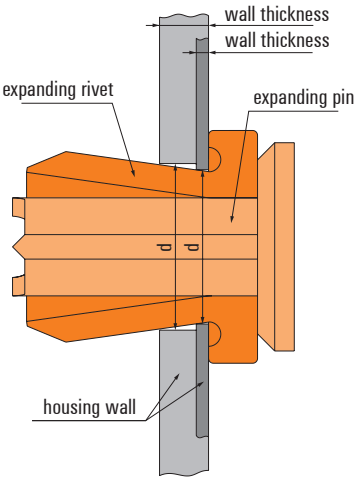
Solder pin length				
Colour	Orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	54	1353130000
3	10.16	0.400	42	1353140000
4	15.24	0.600	42	1353150000
5	20.32	0.800	36	1353170000
6	25.40	1.000	30	1353180000
7	30.48	1.200	30	1353190000
8	35.56	1.400	24	1353200000
9	40.64	1.600	24	1353220000
10	45.72	1.800	24	1353230000

Flexibility & safety

Maximum flexibility and optimum safety should be guaranteed when designing this equipment.

This application can be made with various connection systems: a TOP connection with a screw, clamping yoke or "PUSH IN". It is necessary to adapt the hole size, as appropriate, to the expanding rivets so that they are able respond to the thickness of the customers' housing wall whilst still being able to guarantee the highest level of safety. This means we strike just the right balance between easy pin insertion without using a tool and optimum stability and vibration resistance for the entire coupling during the application.

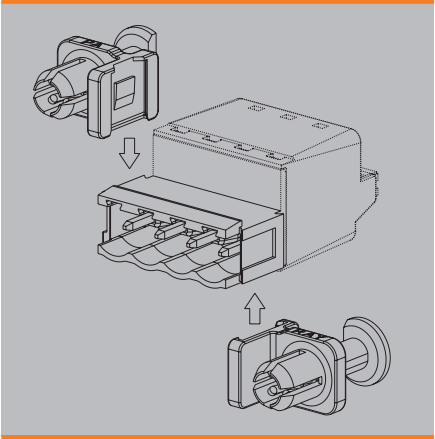
BBDF sectional drawing in the wall of the housing



hole size table

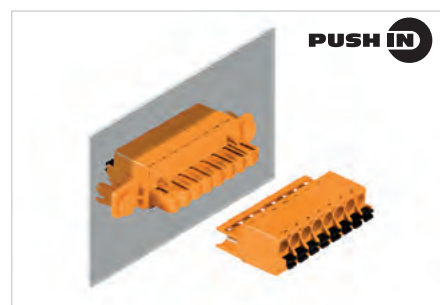
	housing wall thickness	hole size (p)
mm	0.5 - 0.8	6.3
	1	6.4
	1.5	6.5
	2	6.7
inch	0.019 - 0.031	0.248
	0.039	0.252
	0.059	0.256
	0.079	0.264

assembly description



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLF 5.08../180DF



PUSH IN

Female plug with "PUSH IN" wire connection system, with straight wire outlet. The female plugs provide space for labelling and can be coded. Packed in cardboard box.

- SLF 5.08 & BLF 5.08 DF for wire-to-wire applications as wall or device feed-through)

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

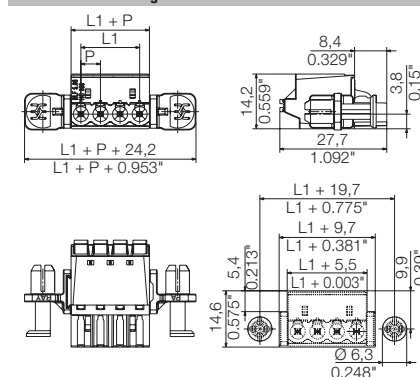
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch

BLF 5.08../180DF



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...2.5	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm		
Rated current, max.	A	24	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	400
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Wire-end ferrule	
H0.5/14S W	9004590000
H1.5/14S SW	9025240000
H2.5/14S BL	1333100000

Ordering data

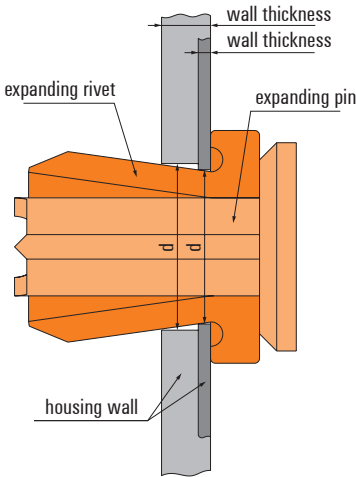
Solder pin length				
Colour	Orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	54	1353240000
3	10.16	0.400	42	1353250000
4	15.24	0.600	42	1353270000
5	20.32	0.800	36	1353280000
6	25.40	1.000	24	1353340000
7	30.48	1.200	30	1353290000
8	35.56	1.400	30	1353300000
9	40.64	1.600	24	1353320000
10	45.72	1.800	24	1353330000

Flexibility & safety

Maximum flexibility and optimum safety should be guaranteed when designing this equipment.

This application can be made with various connection systems: a TOP connection with a screw, clamping yoke or "PUSH IN". It is necessary to adapt the hole size, as appropriate, to the expanding rivets so that they are able respond to the thickness of the customers' housing wall whilst still being able to guarantee the highest level of safety. This means we strike just the right balance between easy pin insertion without using a tool and optimum stability and vibration resistance for the entire coupling during the application.

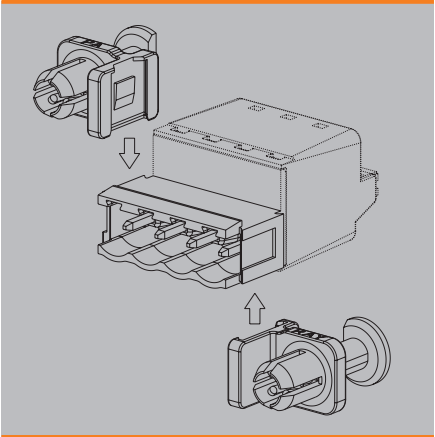
BBDF sectional drawing in the wall of the housing



hole size table

	housing wall thickness	hole size (p)
mm	0.5 - 0.8	6.3
	1	6.4
	1.5	6.5
	2	6.7
inch	0.019 - 0.031	0.248
	0.039	0.252
	0.059	0.256
	0.079	0.264

assembly description



"PUSH IN" connection technology

"PUSH IN" connection technology reduces the wiring affords especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanatory and enable tool-less handling. The contact element made of stainless steel ensures a vibration proofed, maintainance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.



The 2-in-1 contact

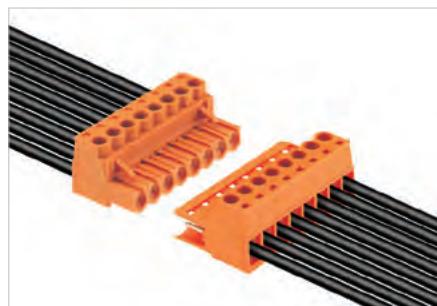
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.

Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch
Series BL/SL 5.08

SLS 5.08../180



Male plug with clamping yoke screw connection and straight wire outlet. The male plugs provide space for labelling and can be coded. Packed in cardboard box.

- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications / flying lead couplings
- SLS 5.08 FI & BLL 5.08 FI for board-to-wire connections (power supply for actuators)
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Product data

IEC: 400 V / 21.5 A / 0.2 - 2.5 mm²
UL: 300 V / 14 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

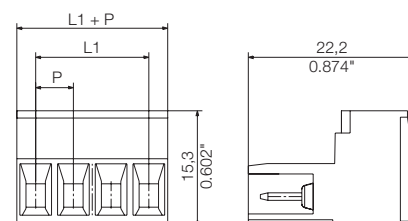
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLS 5.08../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²	0.13...3.31		
Solid core H05(07) V-U	mm ²	0.2...2.5		
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²	0.2...2.5		
Flexible with ferrule	mm ²	0.2...2.5		
Ferrule with plastic collar	mm ²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264-A		
Tightening torque range	Nm	0.4...0.5		
Rated current, max.	A	21.5	18	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	14	10	
AWG conductor	AWG	26-12		
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG	26-12		
General data				
Type of insulation material		tinned		
UL 94 flammability rating				
Contact base material				
Material of contact surface				
Pin dimensions = d	mm			
Solder eyelet Ø = D	mm			
Solder eyelet Ø tolerance	mm			

Accessories

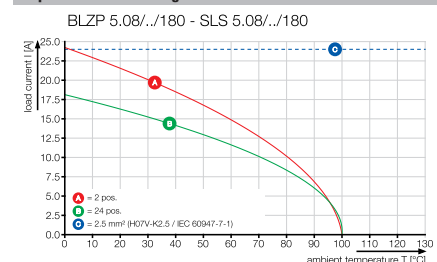
Note: Refer to the Accessories chapter for additional accessories.

Strain relief	Order No.
BLZ 5.08 ZE04 BK BX	1652130000
BLZ 5.08 ZE04 OR BX	1652110000
BLZ 5.08 ZE08 BK BX	1652070000
BLZ 5.08 ZE08 OR BX	1652050000
Coding	
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Partition element	
SL AT OR	1598300000
SL AT SW	1770240000
Mounting block	
SLA BB11R OR	1604120000
SLA BB11R SW	1692340000

Ordering data

Solder pin length				
Colour	Orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1627090000
3	10.16	0.400	100	1627100000
4	15.24	0.600	100	1627110000
5	20.32	0.800	50	1627120000
6	25.40	1.000	50	1627130000
7	30.48	1.200	50	1627140000
8	35.56	1.400	50	1627150000
9	40.64	1.600	50	1627160000
10	45.72	1.800	36	1627170000
11	50.80	2.000	50	1627180000
12	55.88	2.200	50	1627190000
13	60.96	2.400	50	1627200000
14	66.04	2.600	24	1627210000
15	71.12	2.800	24	1627220000
16	76.20	3.000	18	1627230000
17	81.28	3.200	18	1644840000
18	86.36	3.400	20	1644850000
19	91.44	3.600	18	1644860000
20	96.52	3.800	20	1644870000
21	101.60	4.000	20	1644880000
22	106.68	4.200	12	1644890000
23	111.76	4.400	12	1644900000
24	116.84	4.600	20	1644910000

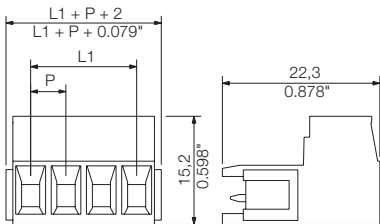
Representative deratings curve



SLS 5.08../180B



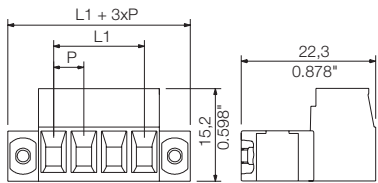
Dimensioned drawing



SLS 5.08../180F



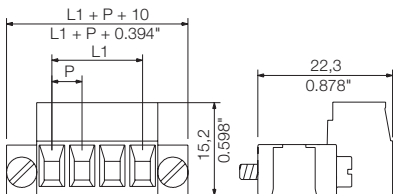
Dimensioned drawing



SLS 5.08../180FI



Dimensioned drawing



Ordering data

Solder pin length					
Colour					Orange
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	100	1627240000	
3	10.16	0.400	100	1627250000	
4	15.24	0.600	100	1627260000	
5	20.32	0.800	50	1627270000	
6	25.40	1.000	50	1627280000	
7	30.48	1.200	50	1627290000	
8	35.56	1.400	50	1627300000	
9	40.64	1.600	50	1627310000	
10	45.72	1.800	30	1627320000	
11	50.80	2.000	50	1627330000	
12	55.88	2.200	50	1627340000	
13	60.96	2.400	50	1627350000	
14	66.04	2.600	50	1627360000	
15	71.12	2.800	24	1627370000	
16	76.20	3.000	18	1627380000	
17	81.28	3.200	18	1645150000	
18	86.36	3.400	20	1645160000	
19	91.44	3.600	18	1645170000	
20	96.52	3.800	20	1645180000	
21	101.60	4.000	20	1645190000	
22	106.68	4.200	12	1645200000	
23	111.76	4.400	12	1645210000	
24	116.84	4.600	20	1645220000	

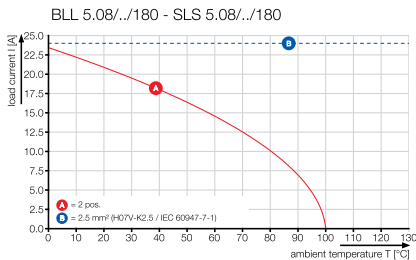
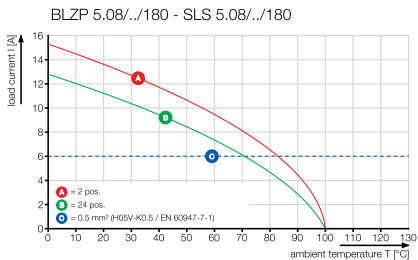
Ordering data

Solder pin length					
Colour					Orange
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	100	1846360000	
3	10.16	0.400	100	1846370000	
4	15.24	0.600	100	1846380000	
5	20.32	0.800	50	1846390000	
6	25.40	1.000	50	1846400000	
7	30.48	1.200	50	1846410000	
8	35.56	1.400	50	1846420000	
9	40.64	1.600	50	1846430000	
10	45.72	1.800	50	1846440000	
11	50.80	2.000	50	1846450000	
12	55.88	2.200	50	1846460000	
13	60.96	2.400	50	1846470000	
14	66.04	2.600	50	1846480000	
15	71.12	2.800	50	1846490000	
16	76.20	3.000	50	1846500000	

Ordering data

Solder pin length					
Colour					Orange
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	
2	5.08	0.200	100	1846210000	
3	10.16	0.400	100	1846220000	
4	15.24	0.600	100	1846230000	
5	20.32	0.800	50	1846240000	
6	25.40	1.000	50	1846250000	
7	30.48	1.200	50	1846260000	
8	35.56	1.400	50	1846270000	
9	40.64	1.600	50	1846280000	
10	45.72	1.800	50	1846290000	
11	50.80	2.000	50	1846300000	
12	55.88	2.200	50	1846310000	
13	60.96	2.400	50	1846320000	
14	66.04	2.600	50	1846330000	
15	71.12	2.800	50	1846340000	
16	76.20	3.000	50	1846350000	

Additional deratings curves



Connectors in 5.08 mm pitch
Series BL/SL 5.08

SLS 5.08../180TB RF15



Male plug with clamping yoke screw connection and straight wire outlet. The male plug provides space for labelling and can be coded.

- The clip-on foot makes it easy to attach to the DIN rail (TS 15).
- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications (flying lead assemblies)
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²	0.13...3.31		
Solid core H05(07) V-U	mm ²	0.2...2.5		
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²	0.2...2.5		
Flexible with ferrule	mm ²	0.2...2.5		
Ferrule with plastic collar	mm ²	0.2...2.5		
Stripping length	mm	7		
Screwdriver blade	mm	0.6 x 3.5		
According to norm		DIN 5264		
Tightening torque range	Nm	0.4...0.5		
Rated current, max.	A	21.5	18	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	14	10	
AWG conductor	AWG	26-12		
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG	26-12		
General data				
Type of insulation material		PBT		
UL 94 flammability rating		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		
Pin dimensions = d	mm			
Solder eyelet Ø = D	mm			
Solder eyelet Ø tolerance	mm			

Product data

IEC: 400 V / 21.5 A / 0.2 - 2.5 mm²

UL: 300 V / 14 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

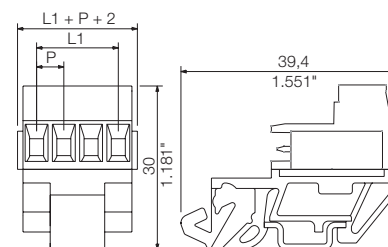
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLS 5.08../180TB RF15



Dimensioned drawing



Accessories

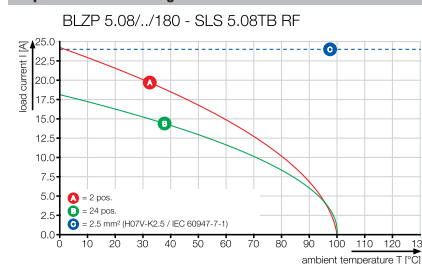
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
 BLZ/SL KO BK BX	1545710000
 BLZ/SL KO OR BX	1573010000
Screwdriver	
 SDIS 0.6X3.5X100	9008390000
 SDS 0.6X3.5X100	9008330000
Partition element	
 SL AT OR	1598300000
 SL AT SW	1770240000
Mounting block	
 SLA BB4 OR	1571720000
 SLA BB8 RH OR	1446060000

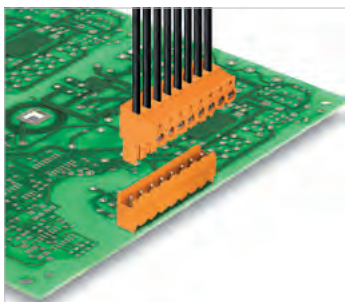
Ordering data

Solder pin length				
Colour	Orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	15.24	0.600	20	1846050000
6	25.40	1.000	20	1846060000
8	35.56	1.400	10	1846070000
10	45.72	1.800	10	1846080000
12	55.88	2.200	10	1846090000
16	76.20	3.000	5	1846100000
20	96.52	3.800	5	1846110000
24	116.84	4.600	5	1846120000

Representative deratings curve



SLS 5.08../180TB KF35



Male plug with clamping yoke screw connection and straight wire outlet. The male plug provides space for labelling and can be coded.

- The clip-on foot makes it easy to attach to the DIN rail (TS 32 / TS 35).
- SLS 5.08 F & BLZP 5.08 F for wire-to-wire applications (flying lead assemblies)
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Product data

IEC: 400 V / 21.5 A / 0.2 - 2.5 mm²

UL: 300 V / 14 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

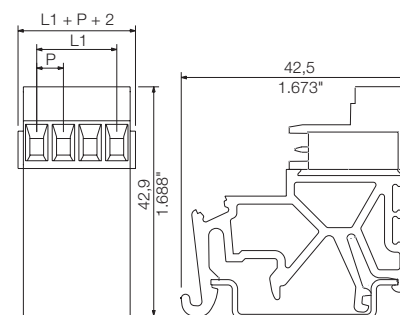
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLS 5.08../180TB KF35



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...2.5	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	21.5	18
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	400
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

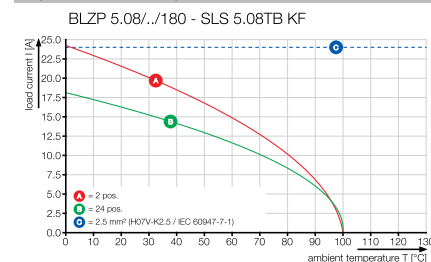
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Partition element	
SL AT OR	1598300000
SL AT SW	1770240000
Mounting block	
SLA BB4 OR	1571720000
SLA BB8 RH OR	1446060000

Ordering data

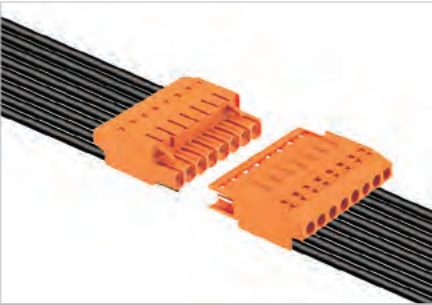
Solder pin length				
Colour	Orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	15.24	0.600	20	1846130000
6	25.40	1.000	20	1846140000
8	35.56	1.400	10	1846150000
10	45.72	1.800	10	1846160000
12	55.88	2.200	10	1846170000
16	76.20	3.000	5	1846180000
20	96.52	3.800	5	1846190000
24	116.84	4.600	5	1846200000

Representative deratings curve



Connectors in 5.08 mm pitch
Series BL/SL 5.08

SLT 5.08/./180B



Male plug with TOP screw connection, with straight wire outlet. The male plug provides space for labelling and can be coded.

- SLT 5.08 & BLT 5.08 for wire-to-wire applications (flying lead assemblies)
- SLT 5.08 & BLL 5.08 for board-to-board connections (e.g., power supply for actuators)
- The specialist for cramped installations
- The extra flat shape allows for dense component assembly.
- The screw connect and the cable entry are located on the same side of the connector.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...2.5	
Solid core H05(07) V-U	mm²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...1.5	
Flexible with ferrule	mm ²	0.2...1.5	
Ferrule with plastic collar	mm ²	0.2...1.5	
Stripping length	mm	13	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	16	13
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	400 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-14	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 16 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

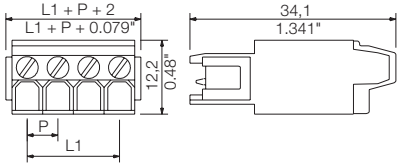
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLT 5.08/./180B



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Screwdriver		
	SDIS 0.6X3.5X100	9008390000
	SDS 0.6X3.5X100	9008330000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000
Mounting block		
	SLA BB11R OR	1604120000
	SLA BB11R SW	1692340000

Ordering data

Solder pin length				
Colour	Orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1611710000
3	10.16	0.400	100	1611720000
4	15.24	0.600	100	1611730000
5	20.32	0.800	50	1611740000
6	25.40	1.000	50	1611750000
7	30.48	1.200	50	1611760000
8	35.56	1.400	50	1611770000
9	40.64	1.600	50	1611780000
10	45.72	1.800	50	1611790000
11	50.80	2.000	50	1611800000
12	55.88	2.200	50	1611810000
13	60.96	2.400	50	1611820000
14	66.04	2.600	50	1611830000
15	71.12	2.800	50	1611840000
16	76.20	3.000	50	1611850000

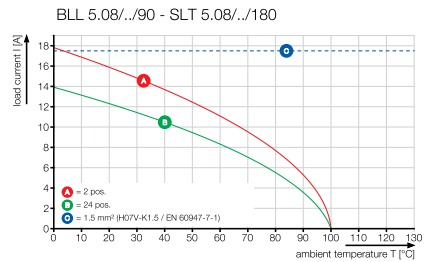
5.08

180°



2.5 mm²

Representative deratings curve



Connectors in 5.08 mm pitch
Series BL/SL 5.08

SLF 5.08



Male plug with "PUSH IN" wire connection system, with straight wire outlet. The male plugs feature space for labelling and can be coded. Packed in a cardboard box.

- SLF 5.08 DF & BLF 5.08 for wire-to-wire applications in the form of panel or device feed-through)
- SLF 5.08 F & BLF 5.08 F for wire-to-wire applications / flying lead couplings
- SLF 5.08 FI & BLF 5.08 FI for board-to-wire connections (power supply for actuators)

Product data

IEC: 400 V / 25.9 A / 0.2 - 2.5 mm²
UL: 300 V / 14 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmuller.com

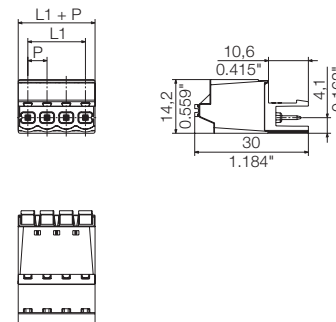
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch

SLF 5.08../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...2.5	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm		
Rated current, max.	A	25.9	22.5
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
 BLZ/SL KO BK BX	1545710000
 BLZ/SL KO OR BX	1573010000
Screwdriver	
 SDIS 0.6X3.5X100	9008390000
 SDS 0.6X3.5X100	9008330000
Wire-end ferrule	
 H0,5/14S W	9004590000
 H1,0/14S R	9018560000
 H1,5/14S SW	9025240000
 H2,5/14S BL	1333100000

Ordering data

Solder pin length						
Colour			Orange		Black	
Pitch 5.08 mm						
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	5.08	0.200	180	1335330000	1335560000	
3	10.16	0.400	120	1335340000	1335570000	
4	15.24	0.600	90	1335350000	1335580000	
5	20.32	0.800	72	1335360000	1335610000	
6	25.40	1.000	60	1335370000	1335630000	
7	30.48	1.200	48	1335380000	1335650000	
8	35.56	1.400	42	1335390000	1335670000	
9	40.64	1.600	36	1335400000	1335690000	
10	45.72	1.800	36	1335410000	1335710000	
11	50.80	2.000	30	1335420000	1335730000	
12	55.88	2.200	30	1335430000	1335750000	

5.08

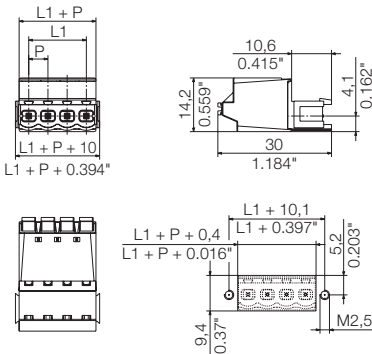
180°

2.5 mm²

SLF 5.08../180B



Dimensioned drawing



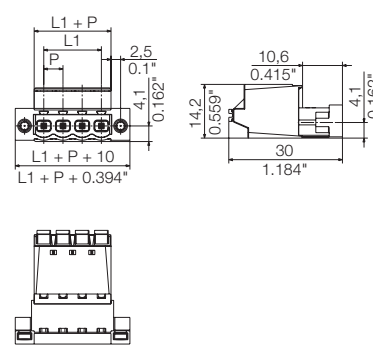
Ordering data

Solder pin length					
Colour			Orange		Black
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	150	1335440000	1335770000
3	10.16	0.400	108	1335450000	1335790000
4	15.24	0.600	78	1335460000	1335810000
5	20.32	0.800	66	1335470000	1335830000
6	25.40	1.000	54	1335480000	1335850000
7	30.48	1.200	48	1335490000	1335880000
8	35.56	1.400	42	1335510000	1335900000
9	40.64	1.600	36	1335520000	1335920000
10	45.72	1.800	30	1335530000	1335940000
11	50.80	2.000	30	1335540000	1335970000
12	55.88	2.200	24	1335550000	1335990000

SLF 5.08../180F



Dimensioned drawing



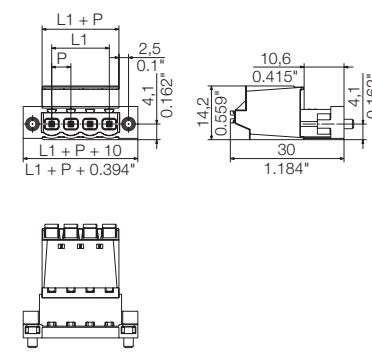
Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1335590000	1336170000
3	10.16	0.400	72	1335620000	1336180000
4	15.24	0.600	60	1335640000	1336190000
5	20.32	0.800	54	1335660000	1336200000
6	25.40	1.000	42	1335680000	1336210000
7	30.48	1.200	42	1335700000	1336220000
8	35.56	1.400	36	1335720000	1336230000
9	40.64	1.600	30	1335740000	1336240000
10	45.72	1.800	30	1335760000	1336250000
11	50.80	2.000	24	1335780000	1336270000
12	55.88	2.200	24	1335800000	1336280000

SLF 5.08../180FI



Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1336400000	1336040000
3	10.16	0.400	72	1336410000	1336050000
4	15.24	0.600	60	1336420000	1336070000
5	20.32	0.800	54	1336430000	1336080000
6	25.40	1.000	42	1336440000	1336090000
7	30.48	1.200	42	1336450000	1336100000
8	35.56	1.400	36	1336470000	1336110000
9	40.64	1.600	30	1336480000	1336120000
10	45.72	1.800	30	1336490000	1336130000
11	50.80	2.000	24	1336500000	1336140000
12	55.88	2.200	24	1336510000	1336150000

Connectors in 5.08 mm pitch
Series BL/SL 5.08

BLZP 5.08HC../180



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Product data

IEC: 400 V / 19 A / 0.2 - 4 mm²
UL: 300 V / 15 A / AWG 30 - 12



For additional articles and information, refer to catalog.weidmueller.com

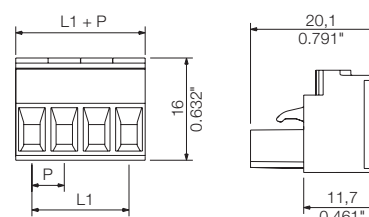
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZP 5.08HC../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...4
Solid core H05(07) V-U	mm ²	0.2...4
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...4
Flexible with ferrule	mm ²	0.2...4
Ferrule with plastic collar	mm ²	0.2...2.5
Stripping length	mm	7
Screwdriver blade	mm	0.6 x 3.5, PH 0, PZ 0
According to norm		
Tightening torque range	Nm	0.4...0.5
Rated current, max.	A	19 16
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	4
Overvoltage category	III	III II
Pollution severity	3	2 2
Rated voltage	V	250 320 400
Rated impulse voltage	kV	4 4 4
UL / CUL (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	15 10
AWG conductor	AWG	30-12
CSA (Use Group)	B C D	
Rated voltage	V	300 50 300
Rated current	A	15 15
AWG conductor	AWG	30-12
General data		
Type of insulation material		PBT
UL 94 flammability rating		V-0
Contact base material		Cu-Leg
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Accessories

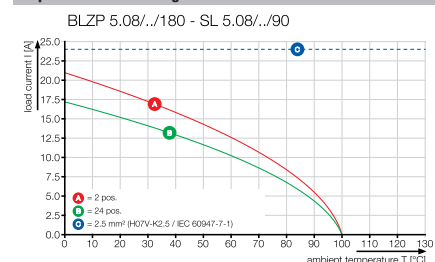
Note: Refer to the Accessories chapter for additional accessories.

Strain relief	Order No.
BLZ 5.08 ZE04 BK BX	1652130000
BLZ 5.08 ZE04 OR BX	1652110000
BLZ 5.08 ZE08 BK BX	1652070000
BLZ 5.08 ZE08 OR BX	1652050000
Coding	
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Crosshead screwdriver	
SDK PH1	9008480000
SDK PZ1	9008530000

Ordering data

Solder pin length			
Colour		Orange	Black
Pitch	5.08 mm		
Pol.	L1	(inch)	Qty.
2	5.08	0.200	100
3	10.16	0.400	100
4	15.24	0.600	100
5	20.32	0.800	45
6	25.40	1.000	45
7	30.48	1.200	45
8	35.56	1.400	45
9	40.64	1.600	45
10	45.72	1.800	45
11	50.80	2.000	36
12	55.88	2.200	36
13	60.96	2.400	36
14	66.04	2.600	27
15	71.12	2.800	27
16	76.20	3.000	27
17	81.28	3.200	18
18	86.36	3.400	18
19	91.44	3.600	18
20	96.52	3.800	18
21	101.60	4.000	18
22	106.68	4.200	18
23	111.76	4.400	18
24	116.84	4.600	18

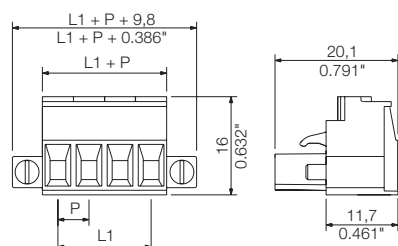
Representative deratings curve



BLZP 5.08HC../180F



Dimensioned drawing



Ordering data

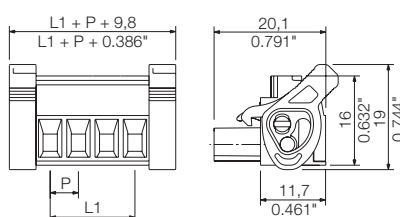
Solder pin length					
Colour			Orange		Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1944090000	1944330000
3	10.16	0.400	72	1944100000	1944340000
4	15.24	0.600	60	1944110000	1944350000
5	20.32	0.800	48	1944120000	1944360000
6	25.40	1.000	42	1944130000	1944370000
7	30.48	1.200	36	1944140000	1944380000
8	35.56	1.400	36	1944150000	1944390000
9	40.64	1.600	30	1944160000	1944400000
10	45.72	1.800	30	1944170000	1944410000
11	50.80	2.000	24	1944180000	1944420000
12	55.88	2.200	24	1944190000	1944430000
13	60.96	2.400	24	1944200000	1944440000
14	66.04	2.600	18	1944210000	1944450000
15	71.12	2.800	18	1944220000	1944460000
16	76.20	3.000	18	1944230000	1944470000
17	81.28	3.200	18	1944240000	1944480000
18	86.36	3.400	18	1944250000	1944490000
19	91.44	3.600	12	1944260000	1944500000
20	96.52	3.800	12	1944270000	1944510000
21	101.60	4.000	12	1944280000	1944520000
22	106.68	4.200	12	1944290000	1944530000
23	111.76	4.400	12	1944300000	1944540000
24	116.84	4.600	12	1944310000	1944550000

BLZP 5.08HC../180LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1944830000	1945060000
3	10.16	0.400	72	1944840000	1945070000
4	15.24	0.600	60	1944850000	1945080000
5	20.32	0.800	48	1944860000	1945090000
6	25.40	1.000	42	1944870000	1945100000
7	30.48	1.200	36	1944880000	1945110000
8	35.56	1.400	36	1944890000	1945120000
9	40.64	1.600	30	1944900000	1945130000
10	45.72	1.800	30	1944910000	1945140000
11	50.80	2.000	24	1944920000	1945150000
12	55.88	2.200	24	1944930000	1945160000
13	60.96	2.400	24	1944940000	1945170000
14	66.04	2.600	18	1944950000	1945180000
15	71.12	2.800	18	1944960000	1945190000
16	76.20	3.000	18	1944970000	1945200000
17	81.28	3.200	18	1944980000	1945210000
18	86.36	3.400	18	1944990000	1945220000
19	91.44	3.600	12	1945000000	1945230000
20	96.52	3.800	12	1945010000	1945240000
21	101.60	4.000	12	1945020000	1945250000
22	106.68	4.200	12	1945030000	1945260000
23	111.76	4.400	12	1945040000	1945270000
24	116.84	4.600	12	1945050000	1945280000

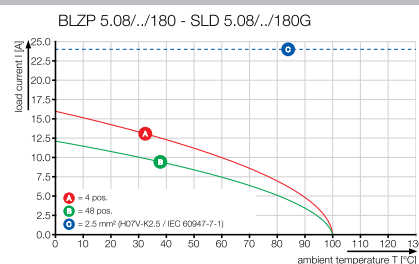
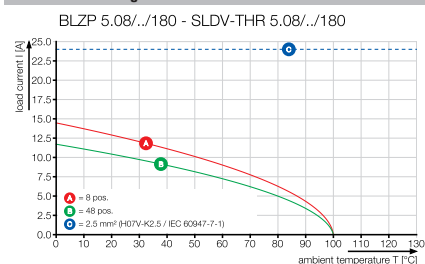
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.

Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.

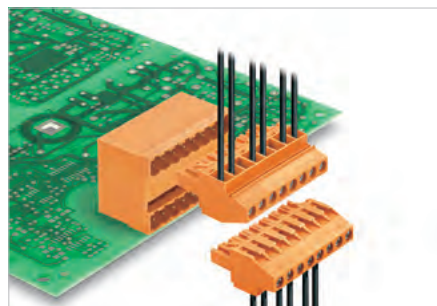


Additional deratings curves



Connectors in 5.08 mm pitch
Series BL/SL 5.08

BLZP 5.08HC/./90



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm ²	0.2...4	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...4	
Flexible with ferrule	mm ²	0.2...4	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5, PH 0, PZ 0	
According to norm			
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	15.5	12
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	4	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	400
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	30-12	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	15	15
AWG conductor	AWG	30-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 15.5 A / 0.2 - 4 mm²
UL: 300 V / 15 A / AWG 30 - 12



For additional articles and information, refer to catalog.weidmueller.com

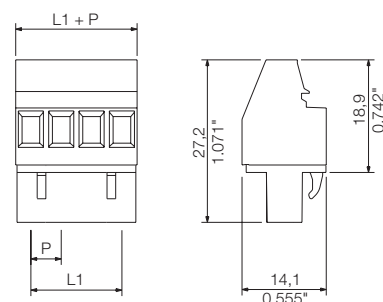
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZP 5.08HC/./90



Dimensioned drawing



Accessories

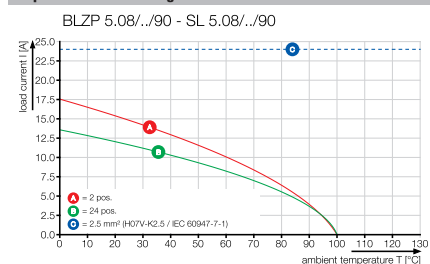
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Crosshead screwdriver	
SDK PH1	9008480000
SDK PZ1	9008530000

Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	180	1948000000	1948240000
3	10.16	0.400	120	1948010000	1948250000
4	15.24	0.600	90	1948020000	1948260000
5	20.32	0.800	72	1948030000	1948270000
6	25.40	1.000	60	1948040000	1948280000
7	30.48	1.200	48	1948050000	1948290000
8	35.56	1.400	42	1948060000	1948300000
9	40.64	1.600	36	1948070000	1948310000
10	45.72	1.800	36	1948080000	1948320000
11	50.80	2.000	30	1948100000	1948330000
12	55.88	2.200	30	1948110000	1948340000
13	60.96	2.400	24	1948120000	1948350000
14	66.04	2.600	24	1948130000	1948360000
15	71.12	2.800	24	1948140000	1948370000
16	76.20	3.000	18	1948150000	1948380000
17	81.28	3.200	18	1948160000	1948390000
18	86.36	3.400	18	1948170000	1948400000
19	91.44	3.600	18	1948180000	1948410000
20	96.52	3.800	18	1948190000	1948420000
21	101.60	4.000	12	1948200000	1948430000
22	106.68	4.200	12	1948210000	1948440000
23	111.76	4.400	12	1948220000	1948450000
24	116.84	4.600	12	1948230000	1948460000

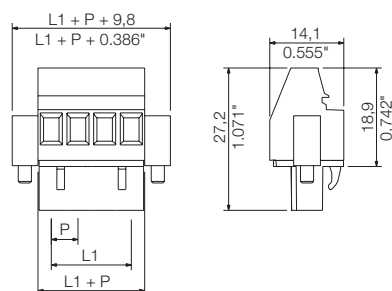
Representative deratings curve



BLZP 5.08HC../90F



Dimensioned drawing



Ordering data

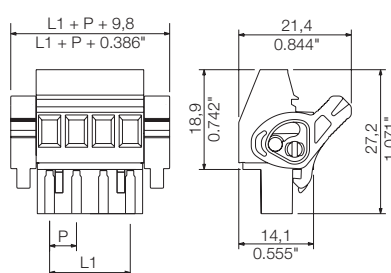
Solder pin length					
Colour			Orange		Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1949800000	1950040000
3	10.16	0.400	72	1949810000	1950050000
4	15.24	0.600	60	1949820000	1950060000
5	20.32	0.800	48	1949830000	1950070000
6	25.40	1.000	42	1949840000	1950080000
7	30.48	1.200	36	1949850000	1950090000
8	35.56	1.400	36	1949860000	1950100000
9	40.64	1.600	30	1949870000	1950110000
10	45.72	1.800	30	1949880000	1950120000
11	50.80	2.000	24	1949890000	1950130000
12	55.88	2.200	24	1949900000	1950140000
13	60.96	2.400	24	1949910000	1950150000
14	66.04	2.600	18	1949920000	1950160000
15	71.12	2.800	18	1949930000	1950170000
16	76.20	3.000	18	1949940000	1950180000
17	81.28	3.200	18	1949950000	1950190000
18	86.36	3.400	18	1949960000	1950200000
19	91.44	3.600	12	1949970000	1950210000
20	96.52	3.800	12	1949980000	1950220000
21	101.60	4.000	12	1949990000	1950230000
22	106.68	4.200	12	1950010000	1950240000
23	111.76	4.400	12	1950020000	1950250000
24	116.84	4.600	12	1950030000	1950260000

BLZP 5.08HC../90LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange	Black	
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1087250000	1087020000
3	10.16	0.400	72	1087260000	1087030000
4	15.24	0.600	60	1087270000	1087040000
5	20.32	0.800	48	1087280000	1087050000
6	25.40	1.000	42	1087290000	1087060000
7	30.48	1.200	36	1087300000	1087070000
8	35.56	1.400	36	1087310000	1087080000
9	40.64	1.600	30	1087320000	1087100000
10	45.72	1.800	30	1087330000	1087110000
11	50.80	2.000	24	1087340000	1087120000
12	55.88	2.200	24	1087350000	1087130000
13	60.96	2.400	24	1087360000	1087140000
14	66.04	2.600	18	1087370000	1087150000
15	71.12	2.800	18	1087380000	1087160000
16	76.20	3.000	18	1087390000	1068510000
17	81.28	3.200	18	1087400000	1087170000
18	86.36	3.400	18	1087410000	1087180000
19	91.44	3.600	12	1087420000	1087190000
20	96.52	3.800	12	1087430000	1087200000
21	101.60	4.000	12	1087440000	1087210000
22	106.68	4.200	12	1087450000	1087220000
23	111.76	4.400	12	1087460000	1087230000
24	116.84	4.600	12	1087470000	1087240000

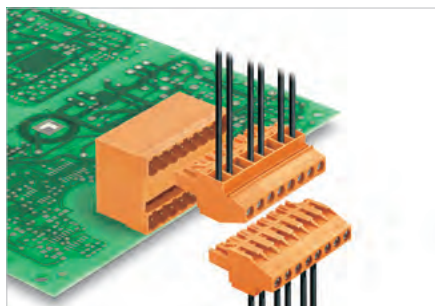
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch
Series BL/SL 5.08

BLZP 5.08HC../270



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Product data

IEC: 400 V / 15.5 A / 0.2 - 4 mm²
UL: 300 V / 15 A / AWG 30 - 12



For additional articles and information, refer to catalog.weidmueller.com

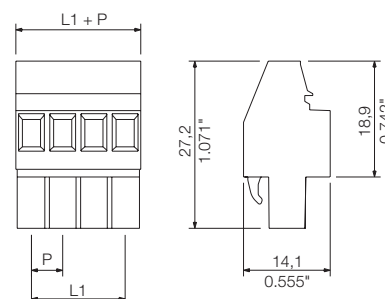
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZP 5.08HC../270



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm ²	0.2...4	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...4	
Flexible with ferrule	mm ²	0.2...4	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5, PH 0, PZ 0	
According to norm			
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	15.5	12
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	4	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	400
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	30-12	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	15	15
AWG conductor	AWG	30-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

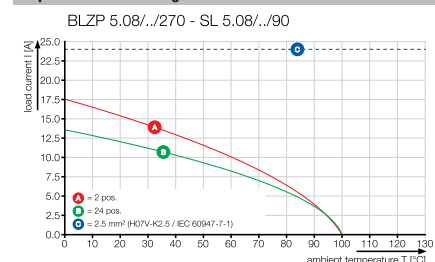
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Crosshead screwdriver	
SDK PH1	9008480000
SDK PZ1	9008530000

Ordering data

Solder pin length					
Colour			Orange		Black
Pitch			5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	180	1948790000	1949020000
3	10.16	0.400	120	1948800000	1949030000
4	15.24	0.600	90	1948810000	1949040000
5	20.32	0.800	72	1948820000	1949050000
6	25.40	1.000	60	1948830000	1949060000
7	30.48	1.200	48	1948840000	1949070000
8	35.56	1.400	42	1948850000	1949080000
9	40.64	1.600	36	1948860000	1949090000
10	45.72	1.800	36	1948870000	1949100000
11	50.80	2.000	30	1948880000	1949110000
12	55.88	2.200	30	1948890000	1949120000
13	60.96	2.400	24	1948900000	1949130000
14	66.04	2.600	24	1948910000	1949140000
15	71.12	2.800	24	1948920000	1949150000
16	76.20	3.000	18	1948930000	1949160000
17	81.28	3.200	18	1948940000	1949170000
18	86.36	3.400	18	1948950000	1949180000
19	91.44	3.600	18	1948960000	1949190000
20	96.52	3.800	18	1948970000	1949200000
21	101.60	4.000	12	1948980000	1949210000
22	106.68	4.200	12	1948990000	1949220000
23	111.76	4.400	12	1949000000	1949230000
24	116.84	4.600	12	1949010000	1949240000

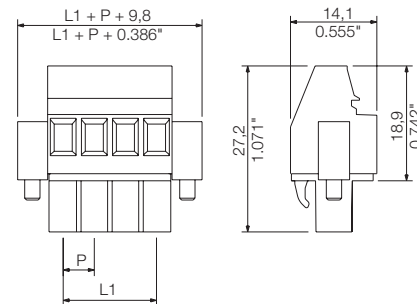
Representative deratings curve



BLZP 5.08HC../270F



Dimensioned drawing



Ordering data

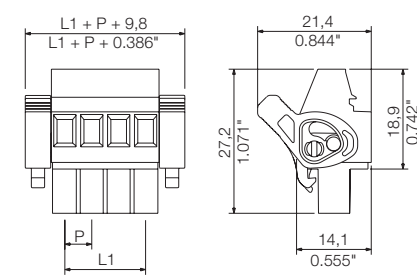
Solder pin length					
Colour			Orange		Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1950310000	1950550000
3	10.16	0.400	72	1950320000	1950560000
4	15.24	0.600	60	1950330000	1950570000
5	20.32	0.800	48	1950340000	1950580000
6	25.40	1.000	42	1950350000	1950620000
7	30.48	1.200	36	1950360000	1950630000
8	35.56	1.400	36	1950370000	1950640000
9	40.64	1.600	30	1950380000	1950650000
10	45.72	1.800	30	1950390000	1950660000
11	50.80	2.000	24	1950400000	1950670000
12	55.88	2.200	24	1950410000	1950690000
13	60.96	2.400	24	1950420000	1950700000
14	66.04	2.600	18	1950430000	1950710000
15	71.12	2.800	18	1950440000	1950720000
16	76.20	3.000	18	1950450000	1950730000
17	81.28	3.200	18	1950460000	1950740000
18	86.36	3.400	18	1950470000	1950750000
19	91.44	3.600	12	1950480000	1950760000
20	96.52	3.800	12	1950490000	1950770000
21	101.60	4.000	12	1950500000	1950780000
22	106.68	4.200	12	1950510000	1950790000
23	111.76	4.400	12	1950520000	1950800000
24	116.84	4.600	12	1950540000	1950810000

BLZP 5.08HC../270LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch			5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1947530000	1947760000
3	10.16	0.400	72	1947540000	1947770000
4	15.24	0.600	60	1947550000	1947780000
5	20.32	0.800	48	1947560000	1947790000
6	25.40	1.000	42	1947570000	1947800000
7	30.48	1.200	36	1947580000	1947810000
8	35.56	1.400	36	1947590000	1947820000
9	40.64	1.600	30	1947600000	1947830000
10	45.72	1.800	30	1947610000	1947840000
11	50.80	2.000	24	1947620000	1947850000
12	55.88	2.200	24	1947630000	1947860000
13	60.96	2.400	24	1947640000	1947870000
14	66.04	2.600	18	1947650000	1947880000
15	71.12	2.800	18	1947660000	1947890000
16	76.20	3.000	18	1947670000	1947900000
17	81.28	3.200	18	1947680000	1947910000
18	86.36	3.400	18	1947690000	1947920000
19	91.44	3.600	12	1947700000	1947930000
20	96.52	3.800	12	1947710000	1947940000
21	101.60	4.000	12	1947720000	1947950000
22	106.68	4.200	12	1947730000	1947960000
23	111.76	4.400	12	1947740000	1947970000
24	116.84	4.600	12	1947750000	1947980000

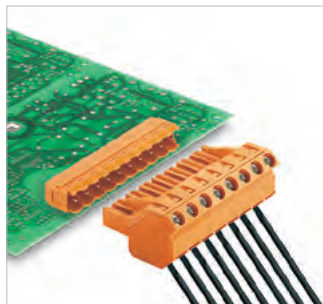
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it 's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch
Series BL/SL 5.08

BLZP 5.08HC../225



The BLZP is the functional extension of the BLZ series. The "P" in the part name stands for a plus in security and performance in processing and use.

- WIRE READY – delivered with terminal points already opened
- Power tools can be used with the globally compatible plus/minus screw head
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The integrated wire guard prevents dangerous under-insertion of the wire from occurring.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm ²	0.2...4	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...4	
Flexible with ferrule	mm ²	0.2...4	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5, PH 0, PZ 0	
According to norm			
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	17.5	14
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	4	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	30-12	
CSA (Use Group)		B	C D
Rated voltage	V	300	50 300
Rated current	A	15	15
AWG conductor	AWG	30-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 17.5 A / 0.2 - 4 mm²
UL: 300 V / 15 A / AWG 30 - 12



For additional articles and information, refer to catalog.weidmueller.com

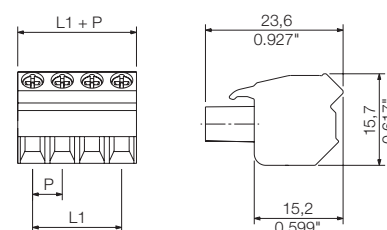
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZP 5.08HC../225



Dimensioned drawing



Accessories

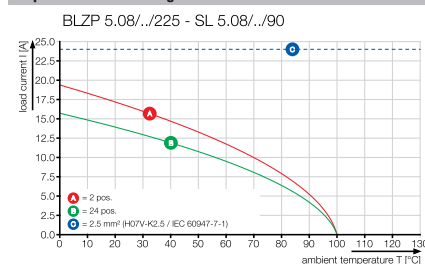
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Screwdriver		
	SDIS 0.6X3.5X100	9008390000
	SDS 0.6X3.5X100	9008330000
Crosshead screwdriver		
	SDK PH1	9008480000
	SDK PZ1	9008530000

Ordering data

Solder pin length						
Colour			Orange		Black	
Pitch		5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	5.08	0.200	180	1946250000	1946560000	
3	10.16	0.400	120	1946260000	1946570000	
4	15.24	0.600	90	1946270000	1946580000	
5	20.32	0.800	72	1946280000	1946590000	
6	25.40	1.000	60	1946290000	1946600000	
7	30.48	1.200	48	1946300000	1946610000	
8	35.56	1.400	42	1946310000	1946620000	
9	40.64	1.600	36	1946320000	1946630000	
10	45.72	1.800	36	1946330000	1946640000	
11	50.80	2.000	30	1946340000	1946650000	
12	55.88	2.200	30	1946350000	1946660000	
13	60.96	2.400	24	1946360000	1946670000	
14	66.04	2.600	24	1946370000	1946680000	
15	71.12	2.800	24	1946380000	1946690000	
16	76.20	3.000	18	1946390000	1946700000	
17	81.28	3.200	18	1946400000	1946710000	
18	86.36	3.400	18	1946410000	1946720000	
19	91.44	3.600	18	1946420000	1946730000	
20	96.52	3.800	18	1946430000	1946740000	
21	101.60	4.000	12	1946440000	1946750000	
22	106.68	4.200	12	1946450000	1946760000	
23	111.76	4.400	12	1946460000	1946770000	
24	116.84	4.600	12	1946480000	1946780000	

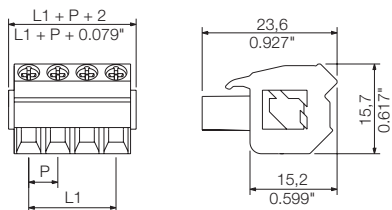
Representative deratings curve



BLZP 5.08HC../225B



Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch			5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	150	1945750000	1945980000
3	10.16	0.400	108	1945760000	1945990000
4	15.24	0.600	78	1945770000	1946000000
5	20.32	0.800	66	1945780000	1946010000
6	25.40	1.000	54	1945790000	1946020000
7	30.48	1.200	48	1945800000	1946030000
8	35.56	1.400	42	1945810000	1946040000
9	40.64	1.600	36	1945820000	1946050000
10	45.72	1.800	30	1945830000	1946060000
11	50.80	2.000	30	1945840000	1946070000
12	55.88	2.200	24	1945850000	1946080000
13	60.96	2.400	24	1945860000	1946090000
14	66.04	2.600	24	1945870000	1946100000
15	71.12	2.800	24	1945880000	1946110000
16	76.20	3.000	18	1945890000	1946120000
17	81.28	3.200	18	1945900000	1946130000
18	86.36	3.400	18	1945910000	1946140000
19	91.44	3.600	18	1945920000	1946150000
20	96.52	3.800	18	1945930000	1946160000
21	101.60	4.000	12	1945940000	1946170000
22	106.68	4.200	12	1945950000	1946180000
23	111.76	4.400	12	1945960000	1946190000
24	116.84	4.600	12	1945970000	1946200000

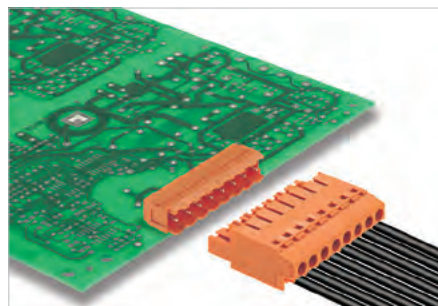
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it ´s even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch
Series BL/SL 5.08

BLT 5.08HC../180



The BLT is currently the most compact TOP connection of its type available in 5.08 mm pitch.

- The BLT's "pull effect" ensures that the connected wire is pulled in to the clamping point.
- The extra flat shape allows for dense component assembly.
- The specialist for cramped installations
- The screw connect and the cable entry are located on the same side of the connector.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Product data

IEC: 400 V / 17 A / 0.2 - 2.5 mm²
UL: 300 V / 13 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

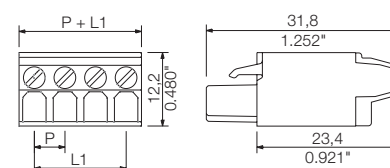
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLT 5.08HC../180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...2.5
Solid core H05(07) V-U	mm ²	0.2...2.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...1.5
Flexible with ferrule	mm ²	0.2...1.5
Ferrule with plastic collar	mm ²	0.2...1.5
Stripping length	mm	13
Screwdriver blade	mm	0.6 x 3.5
According to norm		DIN 5264
Tightening torque range	Nm	0.4...0.5
Rated current, max.	A	17 15
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	2.5
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	250 320 400
Rated impulse voltage	kV	4 4 4
UL / CUL (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	13 10
AWG conductor	AWG	26-14
CSA (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	26-14
General data		
Type of insulation material		PBT
UL 94 flammability rating		V-0
Contact base material		CuSn
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Accessories

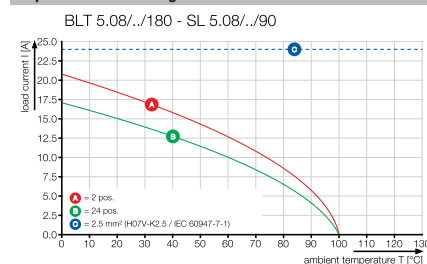
Note: Refer to the Accessories chapter for additional accessories.

Strain relief	Order No.
BLAT ZE04 OR BX	1577980000
BLAT ZE08 OR BX	1578010000
Coding	
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000

Ordering data

Solder pin length					
Colour			Orange	Black	
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	180	1499560000	1499510000
3	10.16	0.400	120	1499660000	1499610000
4	15.24	0.600	90	1499760000	1499710000
5	20.32	0.800	72	1499860000	1499810000
6	25.40	1.000	60	1499960000	1499910000
7	30.48	1.200	48	1500060000	1500010000
8	35.56	1.400	42	1500160000	1500110000
9	40.64	1.600	36	1500260000	1500210000
10	45.72	1.800	36	1500360000	1500310000
11	50.80	2.000	30	1500460000	1500410000
12	55.88	2.200	30	1500560000	1500510000
13	60.96	2.400	24	1500660000	1500610000
14	66.04	2.600	24	1500760000	1500710000
15	71.12	2.800	24	1500860000	1500810000
16	76.20	3.000	18	1500960000	1500910000
17	81.28	3.200	18	1501060000	1501010000
18	86.36	3.400	18	1501160000	1501110000
19	91.44	3.600	18	1501260000	1501210000
20	96.52	3.800	18	1501360000	1501310000
21	101.60	4.000	12	1501460000	1501410000
22	106.68	4.200	12	1501560000	1501510000
23	111.76	4.400	12	1501660000	1501610000
24	116.84	4.600	12	1501760000	1501710000

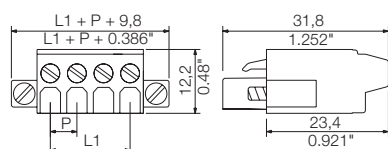
Representative deratings curve



BLT 5.08HC../180F



Dimensioned drawing



Ordering data

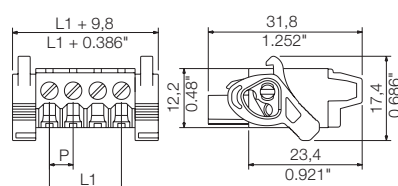
Solder pin length					
Colour		Orange		Black	
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	18443990000	1844220000
3	10.16	0.400	72	18440000000	1844230000
4	15.24	0.600	60	1844010000	1844240000
5	20.32	0.800	48	1844020000	1844250000
6	25.40	1.000	42	1844030000	1844260000
7	30.48	1.200	36	1844040000	1844270000
8	35.56	1.400	36	1844050000	1844280000
9	40.64	1.600	30	1844060000	1844290000
10	45.72	1.800	30	1844070000	1844300000
11	50.80	2.000	24	1844080000	1844310000
12	55.88	2.200	24	1844090000	1844320000
13	60.96	2.400	24	1844100000	1844330000
14	66.04	2.600	18	1844110000	1844340000
15	71.12	2.800	18	1844120000	1844350000
16	76.20	3.000	18	1844130000	1844360000
17	81.28	3.200	18	1844140000	1844370000
18	86.36	3.400	18	1844150000	1844380000
19	91.44	3.600	12	1844160000	1844390000
20	96.52	3.800	12	1844170000	1844400000
21	101.60	4.000	12	1844180000	1844410000
22	106.68	4.200	12	1844190000	1844420000
23	111.76	4.400	12	1844200000	1844430000
24	116.84	4.600	12	1844210000	1844440000

BLT 5.08HC../180LR

with release bar



Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1890220000	1894130000
3	10.16	0.400	72	1890230000	1894140000
4	15.24	0.600	60	1890240000	1894150000
5	20.32	0.800	48	1890250000	1894160000
6	25.40	1.000	42	1890260000	1894170000
7	30.48	1.200	36	1890270000	1894180000
8	35.56	1.400	36	1890280000	1894190000
9	40.64	1.600	30	1890290000	1894200000
10	45.72	1.800	30	1890300000	1894210000
11	50.80	2.000	24	1890310000	1894220000
12	55.88	2.200	24	1890320000	1894230000
13	60.96	2.400	24	1890330000	1894240000
14	66.04	2.600	18	1890340000	1894250000
15	71.12	2.800	18	1890350000	1894260000
16	76.20	3.000	18	1890360000	1894270000
17	81.28	3.200	18	1890370000	1894280000
18	86.36	3.400	18	1890380000	1894290000
19	91.44	3.600	12	1890390000	1894300000
20	96.52	3.800	12	1890400000	1894310000
21	101.60	4.000	12	1890410000	1894320000
22	106.68	4.200	12	1890420000	1894330000
23	111.76	4.400	12	1890430000	1894340000
24	116.84	4.600	12	1890440000	1894350000

The 2-in-1 contact

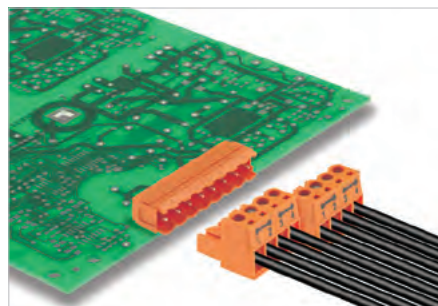
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.

Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLZ 5.08/./180 QV2



Female plug with clamping yoke screw connection and internal cross-connections for the 1-2 & 3-4 wire connections; with straight wire outlet.

- Bus signals of up to 32 A can be safely looped through
- This permits an interruption-free decoupling of individual modules from the network
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- The cross-connections are clearly marked

Product data

IEC: 400 V / 17.5 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 30 - 12



For additional articles and information, refer to catalog.weidmueller.com

Note:

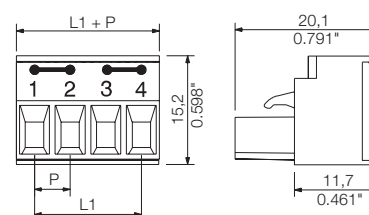
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZ 5.08/./180 QV2

with cross-connection



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...4
Solid core H05(07) V-U	mm ²	0.2...2.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...4
Flexible with ferrule	mm ²	0.2...2.5
Ferrule with plastic collar	mm ²	0.2...2.5
Stripping length	mm	7
Screwdriver blade	mm	0.6 x 3.5
According to norm		DIN 5264
Tightening torque range	Nm	0.4...0.5
Rated current, max.	A	17.5 15
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	2.5
Overvoltage category	III	III II
Pollution severity	3	2 2
Rated voltage	V	250 320 400
Rated impulse voltage	kV	4 4 4
UL / CUL (Use Group)	B C D	

Rated voltage	V	300 300
Rated current	A	15 10
AWG conductor	AWG	30-12
CSA (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	15 10
AWG conductor	AWG	30-12

General data		
Type of insulation material	PBT	
UL 94 flammability rating	V-0	
Contact base material	Cu-Leg	
Material of contact surface	tinned	
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Accessories

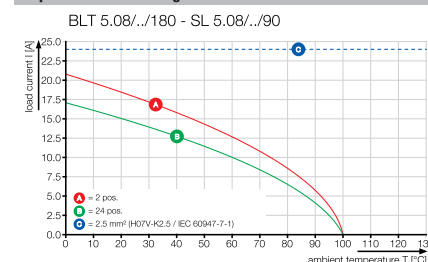
Note: Refer to the Accessories chapter for additional accessories.

Strain relief		Order No.
BLZ 5.08 ZE04 BK BX		1652130000
BLZ 5.08 ZE04 OR BX		1652110000
BLZ 5.08 ZE08 BK BX		1652070000
BLZ 5.08 ZE08 OR BX		1652050000
Coding		
BLZ/SL KO BK BX		1545710000
BLZ/SL KO OR BX		1573010000
Screwdriver		
SDIS 0.6X3.5X100		9008390000
SDS 0.6X3.5X100		9008330000

Ordering data

Solder pin length		
Colour	Orange	Black
Pitch	5.08 mm	
Pol.	L1 (inch)	Qty.
4	15.24 0.300	100
Order No.	Order No.	
1839770000	1839780000	

Representative deratings curve

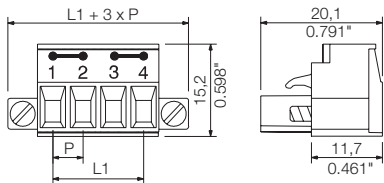


BLZ 5.08/./180F QV2

with cross-connection



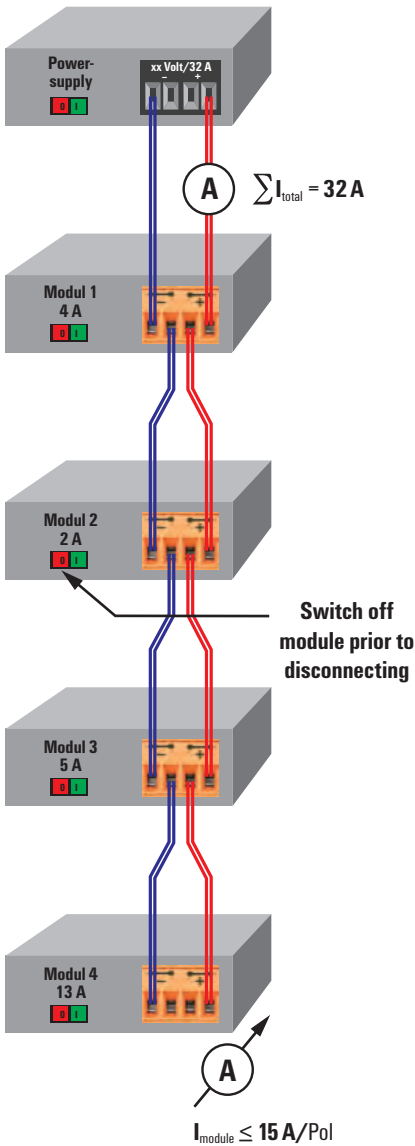
Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	15.24	0.300	100	1846870000	1844500000

Examples of applications



32 A maximum bus current
15 A maximum module current

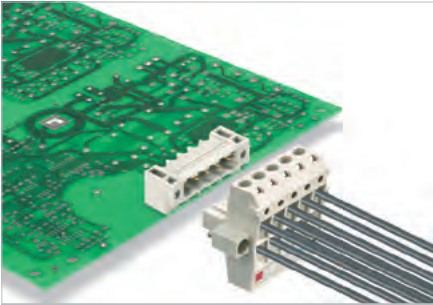
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it 's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch
Series BL/SL 5.08

SL DN 5.08



Male headers with gold plated pins in an angled outlet direction, optimised for use with BLZ and BLDZ DN 5.08/180 female plugs. Versions with a screw flange for screwing together male and female plug. The male headers can be coded manually or ordered already precoded. Packed in a cardboard box.

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	18	15	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300		300
Rated current	A	10		10
AWG conductor	AWG		-	
General data				
Type of insulation material			PBT	
UL 94 flammability rating			V-0	
Contact base material			CuSn	
Material of contact surface			Gold-plated	
Pin dimensions = d	mm			
Solder eyelet Ø = D	mm		1.3	
Solder eyelet Ø tolerance	mm		+ 0,1	

Product data

IEC: 400 V / 18 A
UL: 300 V / 10 A



For additional articles and information, refer to
catalog.weidmueller.com

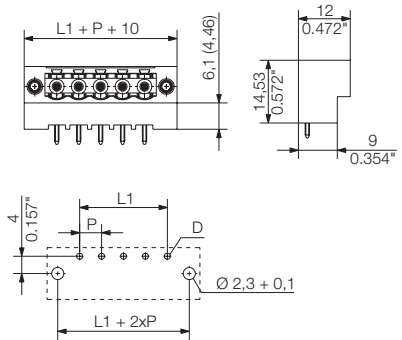
Note:

- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL DN 5.08 90F



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

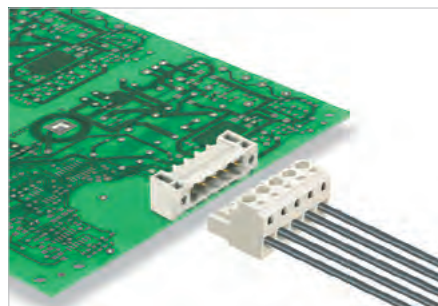
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000

Ordering data

Solder pin length				3.5 mm
Colour				
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
5	20.32	0.800	50	1933170000
5	20.32	0.800	50	1933160000

Connectors in 5.08 mm pitch Series BL/SL 5.08

BLZ DN 5.08/./180



Female plug with clamping yoke screw connection and straight wire outlet; used as terminating piece in bus applications.

- A manual diagnosis can be carried out using the test point.
- The gold-plated contact system can be plugged in and disconnected up to 1000 times.
- DeviceNet™ colour markings are clearly visible
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations
- Available with screw flange (F).

Product data

IEC: 400 V / 15 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 22 - 12



For additional articles and information, refer to catalog.weidmueller.com

Note:

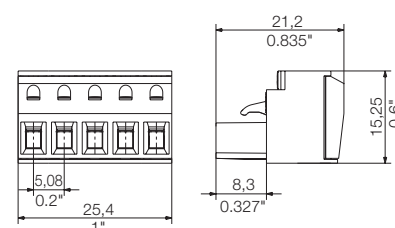
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLZ DN 5.08/./180 AU

with test point



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...2.5	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	15	12
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	22-12	
CSA (Use Group)	B	C	D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		Gold-plated	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

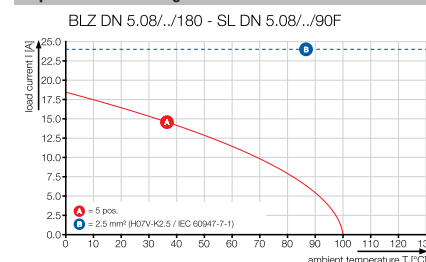
Note: Refer to the Accessories chapter for additional accessories.

Strain relief	Order No.
BLZ 5.08 ZE04 BK BX	1652130000
BLZ 5.08 ZE04 OR BX	1652110000
Coding	
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000

Ordering data

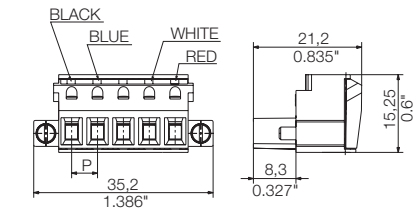
Solder pin length				
Colour	Pebble grey			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
5	20.32	0.800	50	1933560000

Representative deratings curve



BLZ DN 5.08/./180F AU

with test point and connector guide



Ordering data

Solder pin length				
Colour			Pebble grey	
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
5	20.32	0.800	50	1933550000
5	20.32	0.800	50	1933570000

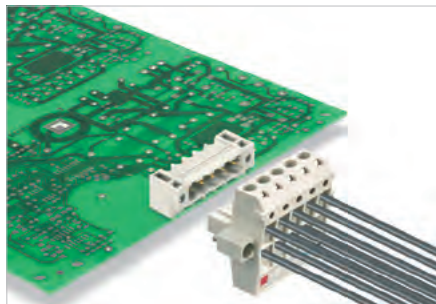
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it´s even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLDZ DN 5.08/./180F



Bus plug with two connections per pole, with clamping yoke screw connection

- Bus signals can be safely looped through (e.g., DeviceNet™)
- This permits an interruption-free decoupling of individual modules from the network.
- A manual diagnosis can be carried out using the test point.
- The gold-plated contact system can be plugged in and disconnected up to 1000 times.
- DeviceNet™ colour markings are clearly visible
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...2.5
Solid core H05(07) V-U	mm²	0.2...2.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...2.5
Flexible with ferrule	mm ²	0.2...2.5
Ferrule with plastic collar	mm ²	0.2...2.5
Stripping length	mm	7
Screwdriver blade	mm	0.6 x 3.5
According to norm		DIN 5264
Tightening torque range	Nm	0.4...0.5
Rated current, max.	A	16 14
At ambient temperature		20°C 40°C
For conductor cross-section	mm ²	2.5
Overvoltage category		III III II
Pollution severity		3 2 2
Rated voltage	V	250 320 400
Rated impulse voltage	kV	4 4 4
UL / CUL (Use Group)	B C D	

Rated voltage	V	300 300
Rated current	A	15 10
AWG conductor	AWG	22-12
CSA (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	15 10
AWG conductor	AWG	26-12

General data

Type of insulation material	PBT
UL 94 flammability rating	V-0
Contact base material	Cu-Leg
Material of contact surface	Gold-plated
Pin dimensions = d	mm
Solder eyelet Ø = D	mm
Solder eyelet Ø tolerance	mm

Product data

IEC: 400 V / 16 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 22 - 12



For additional articles and information, refer to
catalog.weidmueller.com

Note:

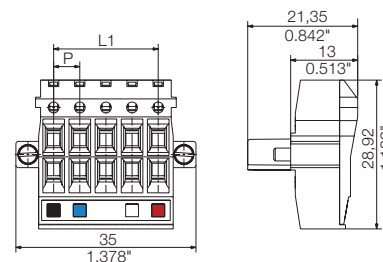
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLDZ DN 5.08/./180F AU

with test point and connector guide



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

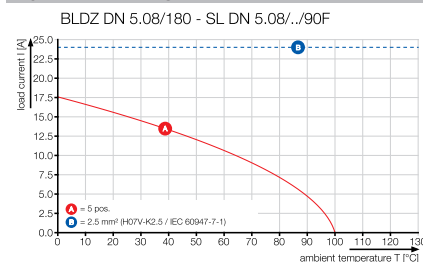
Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000

Ordering data

Solder pin length

Colour				Pebble grey
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
5	20.32	0.800	50	1919990000

Representative deratings curve



The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level.

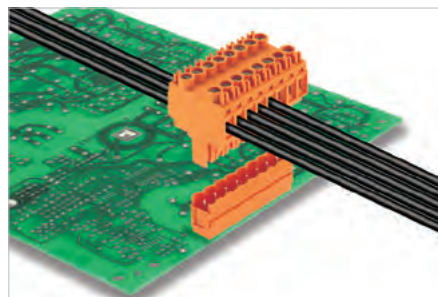
Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it ´s even both - perfect for the current, and perfect for the force.



E

Connectors in 5.08 mm pitch Series BL/SL 5.08

BLDT 5.08/./180



Bus plug with two connections per pole, with clamping yoke screw connection

- Bus signals can be safely looped through
- This permits an interruption-free decoupling of individual modules from the network.
- Large labelling area on the top side
- Folded steel clamping yoke accommodates the connected wire and compensates for temperature fluctuations

Product data

IEC: 400 V / 14 A / 0.2 - 2.5 mm²
UL: 300 V / 10 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

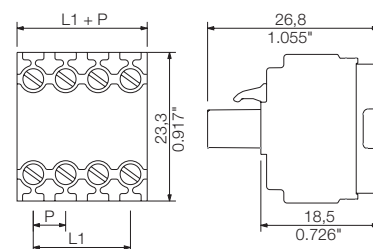
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLDT 5.08/./180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...1.5	
Ferrule with plastic collar	mm ²	0.2...1.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	
Rated current, max.	A	14	12
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

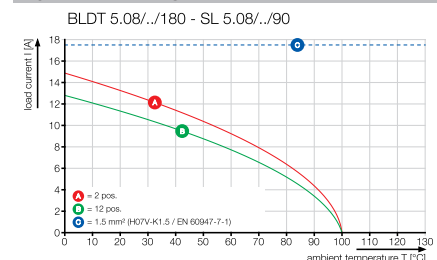
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000

Ordering data

Solder pin length						
Colour			Orange		Black	
Pitch			5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	5.08	0.200	100	1644730000	1660710000	
3	10.16	0.400	100	1644740000	1660720000	
4	15.24	0.600	50	1644750000	1660730000	
5	20.32	0.800	50	1644760000	1660740000	
6	25.40	1.000	50	1644770000	1660750000	
7	30.48	1.200	50	1644780000	1660760000	
8	35.56	1.400	50	1644790000	1660770000	
9	40.64	1.600	50	1644800000	1660780000	
10	45.72	1.800	50	1644810000	1660790000	
11	50.80	2.000	50	1644820000	1660800000	
12	55.88	2.200	50	1644830000	1660810000	

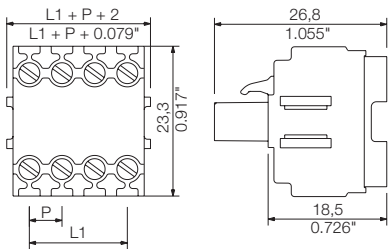
Representative deratings curve



BLDT 5.08/./180B



Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1651740000	1673780000
3	10.16	0.400	100	1651750000	1673790000
4	15.24	0.600	50	1651760000	1673800000
5	20.32	0.800	50	1651770000	1673810000
6	25.40	1.000	50	1651780000	1673820000
7	30.48	1.200	50	1651790000	1673830000
8	35.56	1.400	50	1651800000	1673840000
9	40.64	1.600	50	1651810000	1673850000
10	45.72	1.800	50	1651820000	1673860000
11	50.80	2.000	50	1651830000	1673870000
12	55.88	2.200	2050	1651840000	1673880000

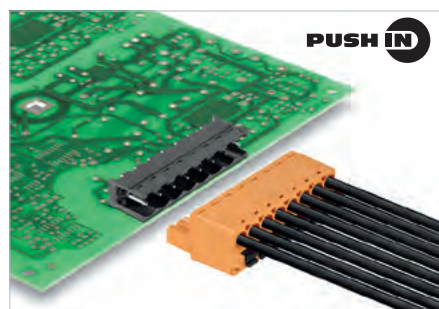
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it´s even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLF 5.08HC../180



PUSH IN

"PUSH IN" - Weidmüller's innovative connection system simplifies and accelerates the wire connection process.

- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling – since the wire-entry area and handling area are clearly separated.
- User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...2.5	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm		
Rated current, max.	A	24	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	400
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-12	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

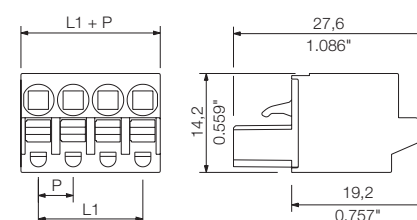
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch

BLF 5.08HC../180



Dimensioned drawing



Accessories

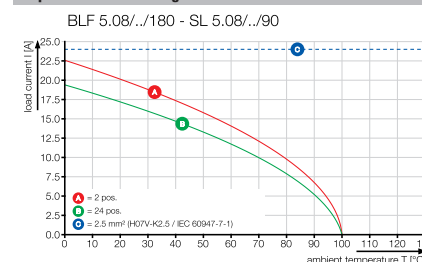
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Wire-end ferrule	
H0,5/14S W	9004590000
H1,0/14S R	9018560000
H1,5/14S SW	9025240000
H2,5/14S BL	1333100000

Ordering data

Solder pin length					
Colour			Orange		Black
Pitch			5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	180	1013680000	1013430000
3	10.16	0.400	120	1013690000	1013440000
4	15.24	0.600	90	1013710000	1013450000
5	20.32	0.800	72	1013720000	1013460000
6	25.40	1.000	60	1013730000	1013470000
7	30.48	1.200	48	1013740000	1013480000
8	35.56	1.400	42	1013750000	1013490000
9	40.64	1.600	36	1013760000	1013510000
10	45.72	1.800	36	1013770000	1013520000
11	50.80	2.000	30	1013780000	1013530000
12	55.88	2.200	30	1013790000	1013540000
13	60.96	2.400	24	1013810000	1013550000
14	66.04	2.600	24	1013820000	1013560000
15	71.12	2.800	24	1013830000	1013570000
16	76.20	3.000	18	1013840000	1013580000
17	81.28	3.200	18	1013850000	1013590000
18	86.36	3.400	18	1013860000	1013610000
19	91.44	3.600	18	1013870000	1013620000
20	96.52	3.800	18	1013880000	1013630000
21	101.60	4.000	12	1013890000	1013640000
22	106.68	4.200	12	1013910000	1013650000
23	111.76	4.400	12	1013920000	1013660000
24	116.84	4.600	12	1013930000	1013670000

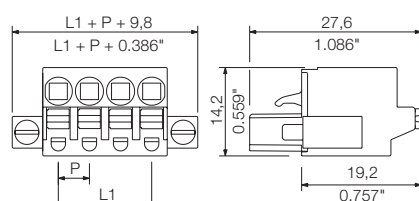
Representative deratings curve



BLF 5.08HC/./180F



Dimensioned drawing

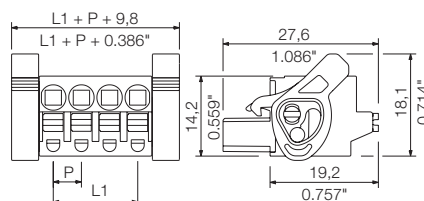


BLF 5.08HC/./180LR

with release latch



Dimensioned drawing



"PUSH IN" connection technology

"PUSH IN" connection technology reduces the wiring efforts especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanatory and enable tool-less handling. The contact element made of stainless steel ensures a vibration proof, maintenance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1013070000	1012640000
3	10.16	0.400	72	1013090000	1012650000
4	15.24	0.600	60	1013110000	1012660000
5	20.32	0.800	48	1013120000	1012670000
6	25.40	1.000	42	1013130000	1012680000
7	30.48	1.200	36	1013140000	1012690000
8	35.56	1.400	36	1013150000	1012710000
9	40.64	1.600	30	1013160000	1012720000
10	45.72	1.800	30	1013170000	1012730000
11	50.80	2.000	24	1013180000	1012740000
12	55.88	2.200	24	1013190000	1012750000
13	60.96	2.400	24	1013210000	1012940000
14	66.04	2.600	18	1013220000	1012950000
15	71.12	2.800	18	1013230000	1012960000
16	76.20	3.000	18	1013240000	1012970000
17	81.28	3.200	18	1013250000	1012980000
18	86.36	3.400	18	1013260000	1012990000
19	91.44	3.600	12	1013270000	1013010000
20	96.52	3.800	12	1013280000	1013020000
21	101.60	4.000	12	1013290000	1013030000
22	106.68	4.200	12	1013310000	1013040000
23	111.76	4.400	12	1013320000	1013050000
24	116.84	4.600	12	1013330000	1013060000

Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1014370000	1014120000
3	10.16	0.400	72	1014380000	1014130000
4	15.24	0.600	60	1014390000	1014140000
5	20.32	0.800	48	1014410000	1014150000
6	25.40	1.000	42	1014420000	1014160000
7	30.48	1.200	36	1014430000	1014170000
8	35.56	1.400	36	1014440000	1014180000
9	40.64	1.600	30	1014450000	1014190000
10	45.72	1.800	30	1014460000	1014210000
11	50.80	2.000	24	1014470000	1014220000
12	55.88	2.200	24	1014480000	1014230000
13	60.96	2.400	24	1014490000	1014240000
14	66.04	2.600	18	1014510000	1014250000
15	71.12	2.800	18	1014520000	1014260000
16	76.20	3.000	18	1014530000	1014270000
17	81.28	3.200	18	1014540000	1014280000
18	86.36	3.400	18	1014550000	1014290000
19	91.44	3.600	12	1014560000	1014310000
20	96.52	3.800	12	1014570000	1014320000
21	101.60	4.000	12	1014580000	1014330000
22	106.68	4.200	12	1014590000	1014340000
23	111.76	4.400	12	1014610000	1014350000
24	116.84	4.600	12	1014620000	1014360000

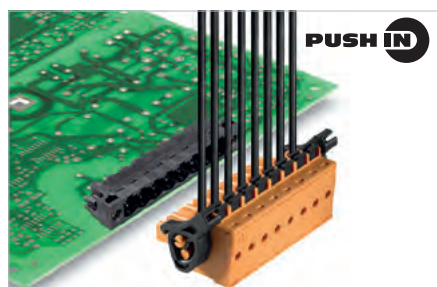
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch
Series BL/SL 5.08

BLF 5.08HC../90



PUSH IN

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- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- The actuator must be used when connecting stranded wires without ferrules.
- Intuitive handling – since the wire-entry area and handling area are clearly separated.
- User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...2.5	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm		
Rated current, max.	A	24	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	400
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	12-26	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

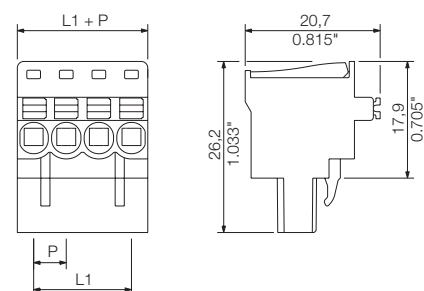
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch

BLF 5.08HC../90



Dimensioned drawing



Accessories

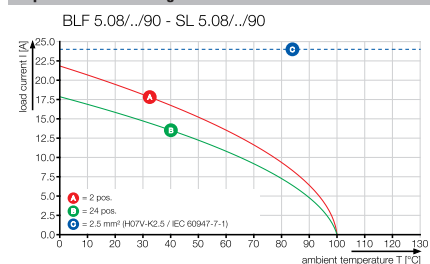
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Wire-end ferrule	
H0,5/14S W	9004590000
H1,0/14S R	9018560000
H1,5/14S SW	9025240000
H2,5/14S BL	1333100000

Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	180	1001530000	1000030001
3	10.16	0.400	120	1001540000	1000040001
4	15.24	0.600	90	1001550000	1000050001
5	20.32	0.800	72	1001560000	1000060001
6	25.40	1.000	60	1001570000	1000070001
7	30.48	1.200	48	1001580000	1000080001
8	35.56	1.400	42	1001590000	1000090001
9	40.64	1.600	36	1001600000	1000100001
10	45.72	1.800	36	1001610000	1000110001
11	50.80	2.000	30	1001620000	1000120001
12	55.88	2.200	30	1001630000	1000130001
13	60.96	2.400	24	1001640000	1000140001
14	66.04	2.600	24	1001650000	1000150001
15	71.12	2.800	24	1001660000	1000160001
16	76.20	3.000	18	1001670000	1000170001
17	81.28	3.200	18	1001680000	1000180001
18	86.36	3.400	18	1001690000	1000190001
19	91.44	3.600	18	1001700000	1000200001
20	96.52	3.800	18	1001710000	1000210001

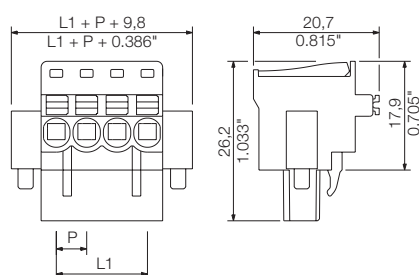
Representative deratings curve



BLF 5.08HC/./90F



Dimensioned drawing



Ordering data

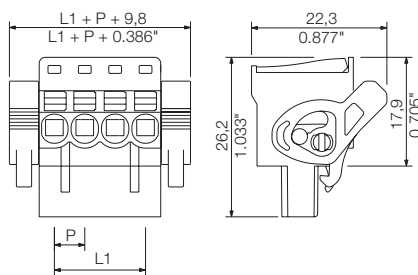
Solder pin length					
Colour			Orange		Black
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1002090000	1000220001
3	10.16	0.400	72	1002100000	1000230001
4	15.24	0.600	60	1002110000	1000240001
5	20.32	0.800	48	1002120000	1000250001
6	25.40	1.000	42	1002130000	1000260001
7	30.48	1.200	36	1002140000	1000270001
8	35.56	1.400	36	1002150000	1000280001
9	40.64	1.600	30	1002160000	1000290001
10	45.72	1.800	30	1002170000	1000300001
11	50.80	2.000	24	1002180000	1000310001
12	55.88	2.200	24	1002190000	1000320001
13	60.96	2.400	24	1002200000	1000330001
14	66.04	2.600	18	1002210000	1000340001
15	71.12	2.800	18	1002220000	1000350001
16	76.20	3.000	18	1002230000	1000360001
17	81.28	3.200	18	1002240000	1000370001
18	86.36	3.400	18	1002250000	1000380001
19	91.44	3.600	12	1002260000	1000390001
20	96.52	3.800	12	1002270000	1000400001

BLF 5.08HC/./90LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1002280000	1000410001
3	10.16	0.400	72	1002290000	1000420001
4	15.24	0.600	60	1002300000	1000430001
5	20.32	0.800	48	1002310000	1000440001
6	25.40	1.000	42	1002320000	1000450001
7	30.48	1.200	36	1002330000	1000460001
8	35.56	1.400	36	1002340000	1000470001
9	40.64	1.600	30	1002350000	1000480001
10	45.72	1.800	30	1002360000	1000490001
11	50.80	2.000	24	1002370000	1000500001
12	55.88	2.200	24	1002380000	1000510001
13	60.96	2.400	24	1002390000	1000520001
14	66.04	2.600	18	1002400000	1000530001
15	71.12	2.800	18	1002410000	1000540001
16	76.20	3.000	18	1002420000	1000550001
17	81.28	3.200	18	1002430000	1000560001
18	86.36	3.400	18	1002440000	1000570001
19	91.44	3.600	12	1002450000	1000580001
20	96.52	3.800	12	1002460000	1000590001

"PUSH IN" connection technology

"PUSH IN" connection technology reduces the wiring efforts especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanatory and enable tool-less handling. The contact element made of stainless steel ensures a vibration proof, maintenance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.



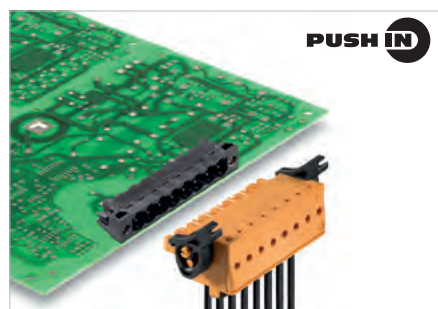
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to divide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch
Series BL/SL 5.08

BLF 5.08HC../270


PUSH IN

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- User-friendly handling with rounded outer edges and large, no-slip push buttons.
- Lock and release lever: tool-less locking and a gentle releasing of the connector reduces the mechanical stress to the solder joints.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...3.31	
Solid core H05(07) V-U	mm ²	0.2...2.5	
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.2...2.5	
Flexible with ferrule	mm ²	0.2...2.5	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
According to norm		DIN 5264	
Tightening torque range	Nm		
Rated current, max.	A	24	21
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	II
Pollution severity		3	2
Rated voltage	V	250	400
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	18.5	10
AWG conductor	AWG	26-12	
CSA (Use Group)		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	12-26	
General data			
Type of insulation material		PBT	
UL 94 flammability rating		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Product data

IEC: 400 V / 24 A / 0.2 - 2.5 mm²
UL: 300 V / 18.5 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

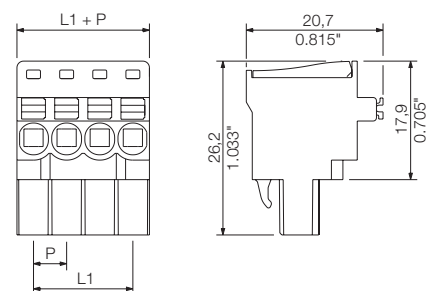
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch

BLF 5.08HC../270



Dimensioned drawing



Accessories

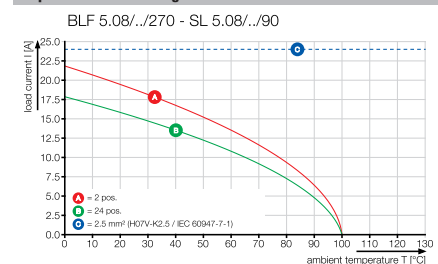
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Wire-end ferrule	
H0.5/14S W	9004590000
H1.0/14S R	9018560000
H1.5/14S SW	9025240000
H2.5/14S BL	1333100000

Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	180	1982700000	1981930000
3	10.16	0.400	120	1982710000	1981940000
4	15.24	0.600	90	1982720000	1981950000
5	20.32	0.800	72	1982730000	1981960000
6	25.40	1.000	60	1982740000	1981970000
7	30.48	1.200	48	1982750000	1981980000
8	35.56	1.400	42	1982760000	1981990000
9	40.64	1.600	36	1982770000	1982000000
10	45.72	1.800	36	1982780000	1982010000
11	50.80	2.000	30	1982790000	1982020000
12	55.88	2.200	30	1982800000	1982030000
13	60.96	2.400	24	1982810000	1982040000
14	66.04	2.600	24	1982820000	1982050000
15	71.12	2.800	24	1982830000	1982060000
16	76.20	3.000	18	1982840000	1982070000
17	81.28	3.200	18	1982850000	1982080000
18	86.36	3.400	18	1982860000	1982090000
19	91.44	3.600	18	1982870000	1982100000
20	96.52	3.800	18	1982880000	1982110000

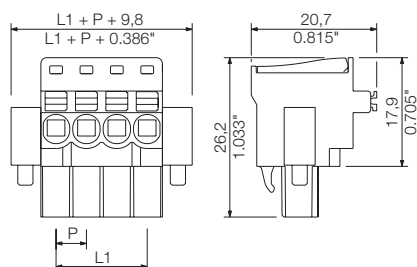
Representative deratings curve



BLF 5.08HC/./270F



Dimensioned drawing

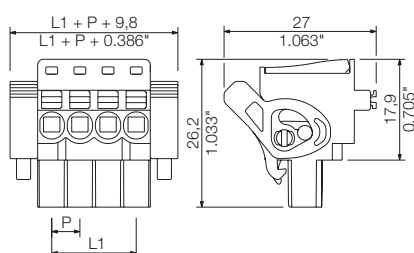


BLF 5.08HC/./270LR

with release latch



Dimensioned drawing



"PUSH IN" connection technology

"PUSH IN" connection technology reduces the wiring efforts especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanatory and enable tool-less handling. The contact element made of stainless steel ensures a vibration proof, maintenance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1982890000	1982120000
3	10.16	0.400	72	1982900000	1982130000
4	15.24	0.600	60	1982910000	1982140000
5	20.32	0.800	48	1982920000	1982150000
6	25.40	1.000	42	1982930000	1982160000
7	30.48	1.200	36	1982940000	1982170000
8	35.56	1.400	36	1982950000	1982180000
9	40.64	1.600	30	1982960000	1982190000
10	45.72	1.800	30	1982970000	1982200000
11	50.80	2.000	24	1982980000	1982210000
12	55.88	2.200	24	1982990000	1982220000
13	60.96	2.400	24	1983000000	1982230000
14	66.04	2.600	18	1983010000	1982240000
15	71.12	2.800	18	1983020000	1982250000
16	76.20	3.000	18	1983030000	1982260000
17	81.28	3.200	18	1983040000	1982270000
18	86.36	3.400	18	1983050000	1982280000
19	91.44	3.600	12	1983060000	1982290000
20	96.52	3.800	12	1983070000	1982300000

Ordering data

Solder pin length					
Colour			Orange		Black
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1983080000	1982310000
3	10.16	0.400	72	1983090000	1982320000
4	15.24	0.600	60	1983100000	1982330000
5	20.32	0.800	48	1983110000	1982340000
6	25.40	1.000	42	1983120000	1982350000
7	30.48	1.200	36	1983130000	1982360000
8	35.56	1.400	36	1983140000	1982370000
9	40.64	1.600	30	1983150000	1982380000
10	45.72	1.800	30	1983160000	1982390000
11	50.80	2.000	24	1983170000	1982400000
12	55.88	2.200	24	1983180000	1982410000
13	60.96	2.400	24	1983190000	1982420000
14	66.04	2.600	18	1983200000	1982430000
15	71.12	2.800	18	1983210000	1982440000
16	76.20	3.000	18	1983220000	1982450000
17	81.28	3.200	18	1983230000	1982460000
18	86.36	3.400	18	1983240000	1982470000
19	91.44	3.600	12	1983250000	1982480000
20	96.52	3.800	12	1983260000	1982490000

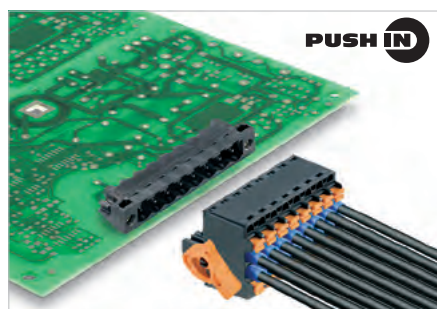
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLDF 5.08/./180



PUSH IN

Bus connector with two connections per pole with the time-saving "PUSH IN" connection system.

- The extremely short cross-connection allows you to safely loop through bus currents of up to 22 A.
- This permits an interruption-free decoupling of individual modules from the network.
- Solid wires and stranded wires with ferrules need only to be inserted and they are ready.
- An actuator must be used when connecting stranded wires with ferrules.
- Lock and release-lever: tool-less locking and gentle releasing of the connector reduces the mechanical stress on the solder joints.

Product data

IEC: 400 V / 20.8 A / 0.2 - 2.5 mm²
UL: 300 V / 10 A / AWG 12 - 26



For additional articles and information, refer to catalog.weidmueller.com

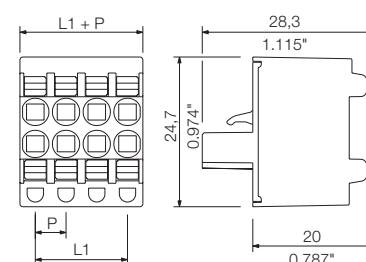
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch

BLDF 5.08/./180



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...3.31
Solid core H05(07) V-U	mm ²	0.2...2.5
Stranded H07 V-R		
Flexible H05(07) V-K	mm ²	0.2...2.5
Flexible with ferrule	mm ²	0.2...2.5
Ferrule with plastic collar	mm ²	0.2...2.5
Stripping length	mm	10
Screwdriver blade	mm	0.6 x 3.5
According to norm		DIN 5264
Tightening torque range	Nm	
Rated current, max.	A	20.8 17.9
At ambient temperature	20°C	40°C
For conductor cross-section	mm ²	2.5
Overtolerance category	III	III II
Pollution severity	3	2 2
Rated voltage	V	250 320 400
Rated impulse voltage	kV	4 4 4
UL / CUL (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	12-26
CSA (Use Group)	B C D	
Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	12-26
General data		
Type of insulation material		PBT
UL 94 flammability rating		V-0
Contact base material		CuSn
Material of contact surface		tinned
Pin dimensions = d	mm	
Solder eyelet Ø = D	mm	
Solder eyelet Ø tolerance	mm	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000
Wire-end ferrule	
H0.5/14S W	9004590000
H1.0/14S R	9018560000
H1.5/14S SW	9025240000
H2.5/14S BL	1333100000

Ordering data

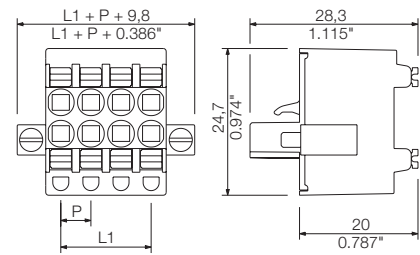
Solder pin length		Colour		Orange	Black
Pitch	5.08 mm	Pol.	L1 (inch)	Qty.	Order No.
2	5.08	0.200	120	1001150000	1000860000
3	10.16	0.400	80	1001160000	1000870000
4	15.24	0.600	60	1001170000	1000880000
5	20.32	0.800	48	1001180000	1000890000
6	25.40	1.000	40	1001190000	1000900000
7	30.48	1.200	32	1001200000	1000910000
8	35.56	1.400	28	1001210000	1000920000



BLDF 5.08/./180F



Dimensioned drawing



Ordering data

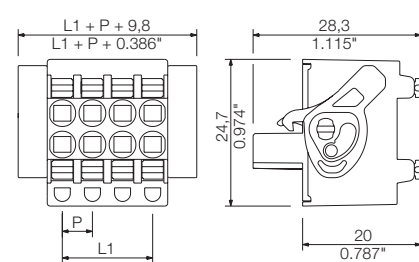
Solder pin length					
Colour			Orange		Black
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	60	1001220000	1000930000
3	10.16	0.400	48	1012060000	1000950000
4	15.24	0.600	40	1059420000	1000960000
5	20.32	0.800	32	1065080000	1000970000
6	25.40	1.000	28	1065090000	1000980000
7	30.48	1.200	24	1065110000	1000990000
8	35.56	1.400	24	1065120000	1001000000

BLDF 5.08/./180LR

with release latch



Dimensioned drawing



Ordering data

Solder pin length					
Colour			Orange		Black
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	60	1065130000	1001010000
3	10.16	0.400	48	1065140000	1001020000
4	15.24	0.600	40	1065150000	1001030000
5	20.32	0.800	32	1065160000	1001040000
6	25.40	1.000	28	1065170000	1001050000
7	30.48	1.200	24	1065180000	1001060000
8	35.56	1.400	24	1065190000	1001070000

"PUSH IN" connection technology

"PUSH IN" connection technology reduces the wiring affords especially for solid wires and wires with ferrule to a minimum. These connectors are self-explanatory and enable tool-less handling. The contact element made of stainless steel ensures a vibration proofed, maintenance free wire termination. The established principle "STEEL FOR THE FORCE, COPPER FOR THE CURRENT" by Weidmüller offers both, maximum conductor clamping forces, as well as minimum power loss at the same time.



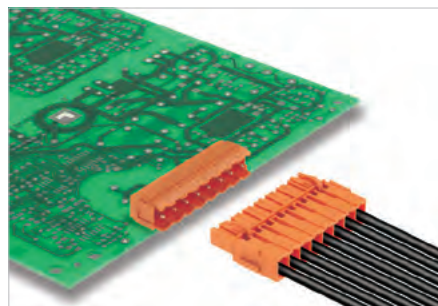
The 2-in-1 contact

Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact for the male / female connection since years. This well-designed hybride platform contact ensures a constant quality on a very high level. Hybride means, that we combine metal material featuring different characteristics by welding, in order to devide the contact system into different function zones: Further to the high electric conductance, the current bar is characterized by its hardness, and the tulip contact by its excellent tension properties. The advantage: each function is supported by the most suitable material to reliably and constantly meet the different electrical and mechanical requirements. To put it in a nutshell: Instead of either ... or, it's even both - perfect for the current, and perfect for the force.



Connectors in 5.08 mm pitch Series BL/SL 5.08

BLC 5.08/./180



The female plugs with crimp connection can be used for automatically pre-assembled cable harnesses. This results in significant cost savings.

- The contacts are optimised for crimping machines (factory wiring).
- Contacts can also be connected with manual tools (field wiring).
- High component density because of very low height
- Large wire clamping range: 0.22-2.5 mm²
- Contacts can be delivered loose in bulk, or in tape-packaged strips.

Product data

IEC: 400 V / 21 A
UL: 300 V / 10 A / AWG 26 - 14



For additional articles and information, refer to catalog.weidmueller.com

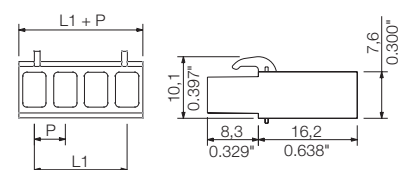
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Rated cross-section depends on crimp contact used.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLC 5.08/./180R



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.22...2.5	
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²	0.5...2.5	
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm	5	
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	21	18
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²	2.5	
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-14	
CSA (Use Group)		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor	AWG	26-14	
General data			
Type of insulation material		PBT GF	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface			
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

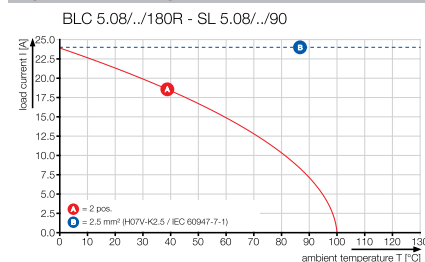
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
DFFC 0.22-0.35 SN 3000	1604230000
DFFC 0.22-0.35 SN E	1604250000
DFFC 0.5-1.0 SN 3000	1480000000
DFFC 0.5-1.0 SN E	1567060000
DFFC 1.5-2.5 SN 2500	1480100000
DFFC 1.5-2.5 SN E	1567070000
Crimping tool	
HTF DFF	9014140000

Ordering data

Solder pin length						
Colour			Orange		Black	
Pitch		5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.	
2	5.08	0.200	100	1610490000	1711960000	
3	10.16	0.400	100	1610500000	1711970000	
4	15.24	0.600	100	1610510000	1711980000	
5	20.32	0.800	50	1610520000	1711990000	
6	25.40	1.000	50	1610530000	1712000000	
7	30.48	1.200	50	1610540000	1712010000	
8	35.56	1.400	50	1610550000	1712020000	
9	40.64	1.600	50	1610560000	1712030000	
10	45.72	1.800	50	1610570000	1712040000	
11	50.80	2.000	50	1610580000	1712050000	
12	55.88	2.200	50	1610590000	1712060000	
13	60.96	2.400	50	1610600000	1712070000	
14	66.04	2.600	50	1610610000	1712080000	
15	71.12	2.800	50	1610620000	1712090000	
16	76.20	3.000	50	1610630000	1712100000	

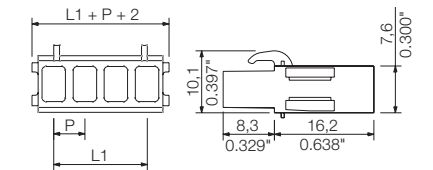
Representative deratings curve



BLC 5.08/.. /180BR



Dimensioned drawing

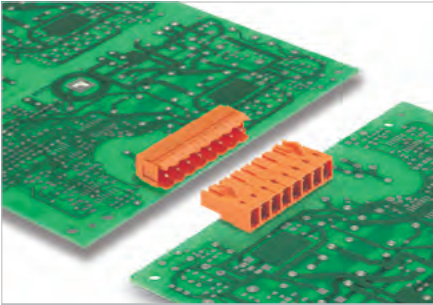


Ordering data

Solder pin length					
Colour		Orange		Black	
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1649370000	1712110000
3	10.16	0.400	100	1649380000	1712120000
4	15.24	0.600	100	1649390000	1712130000
5	20.32	0.800	50	1649400000	1712140000
6	25.40	1.000	50	1649410000	1712150000
7	30.48	1.200	50	1649420000	1712160000
8	35.56	1.400	50	1649430000	1712170000
9	40.64	1.600	50	1649440000	1712180000
10	45.72	1.800	50	1649450000	1712190000
11	50.80	2.000	50	1649460000	1712200000
12	55.88	2.200	50	1649470000	1712210000
13	60.96	2.400	50	1649480000	1712220000
14	66.04	2.600	50	1649490000	1712230000
15	71.12	2.800	50	1649500000	1712240000
16	76.20	3.000	50	1649510000	1712250000

Connectors in 5.08 mm pitch
Series BL/SL 5.08

BL 5.08/./90



Female headers for mounting on the circuit board; with 90° wire outlet, optimised for the wave soldering process.

- BL 5.08 & SL 5.08 for board-to-board connections (e.g., backplanes)
- BL 5.08 & SLS / SLT 5.08 for board-to-wire applications (e.g., power supply for actuators)
- Available with a screw flange (F).

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	23	20	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.4 x 1.00		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 23 A
UL: 300 V / 15 A



For additional articles and information, refer to catalog.weidmueller.com

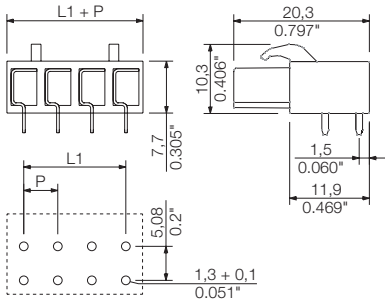
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BL 5.08/./90



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.		
Coding		Order No.
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Mounting block		
	SLA BB11R OR	1604120000
	SLA BB11R SW	1692340000

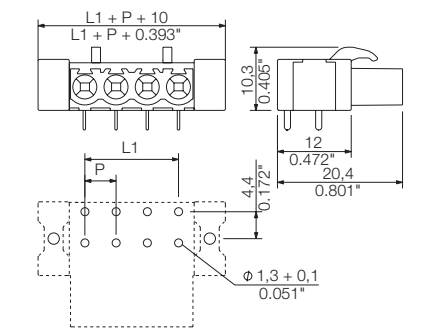
Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1622940000
3	10.16	0.400	120	1622950000
4	15.24	0.600	90	1622960000
5	20.32	0.800	72	1622970000
6	25.40	1.000	60	1622980000
7	30.48	1.200	48	1622990000
8	35.56	1.400	42	1623000000
9	40.64	1.600	36	1623010000
10	45.72	1.800	36	1623020000
11	50.80	2.000	30	1623030000
12	55.88	2.200	30	1623040000
13	60.96	2.400	24	1648420000
14	66.04	2.600	24	1648430000
15	71.12	2.800	24	1648440000
16	76.20	3.000	18	1648450000
17	81.28	3.200	18	1648460000
18	86.36	3.400	18	1648470000
19	91.44	3.600	18	1648480000
20	96.52	3.800	18	1648490000
21	101.60	4.000	12	1648500000
22	106.68	4.200	12	1648510000
23	111.76	4.400	12	1648520000
24	116.84	4.600	12	1648530000

BLL 5.08/.. /90FI



Dimensioned drawing

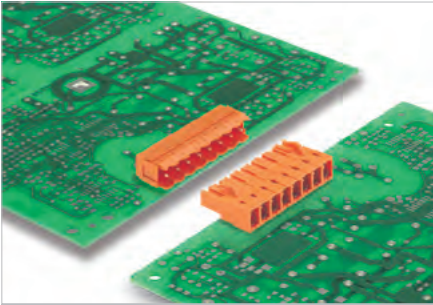


Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	90	1843750000
3	10.16	0.400	72	1843760000
4	15.24	0.600	60	1843770000
5	20.32	0.800	48	1843780000
6	25.40	1.000	42	1843790000
7	30.48	1.200	36	1843800000
8	35.56	1.400	36	1843810000
9	40.64	1.600	30	1843820000
10	45.72	1.800	30	1843830000
11	50.80	2.000	24	1843840000
12	55.88	2.200	24	1843850000
13	60.96	2.400	24	1843860000
14	66.04	2.600	18	1843870000
15	71.12	2.800	18	1843880000
16	76.20	3.000	18	1843890000
17	81.28	3.200	18	1843900000
18	86.36	3.400	18	1843910000
19	91.44	3.600	12	1843920000
20	96.52	3.800	12	1843930000
21	101.60	4.000	12	1843940000
22	106.68	4.200	12	1843950000
23	111.76	4.400	12	1843960000
24	116.84	4.600	12	1843970000

Connectors in 5.08 mm pitch
Series BL/SL 5.08

BLL 5.08../180



Female headers for mounting on the circuit board; with straight wire outlet, optimised for the wave soldering process.

- BLL 5.08 & SL 5.08 for board-to-board connections (e.g., backplanes)
- BLL 5.08 & SLS / SLT 5.08 for board-to-wire applications (e.g., power supply for actuators)

Technical data

In compliance with IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	23	20	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG		-	
CSA (Use Group)		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor	AWG		-	
General data				
Type of insulation material		PBT GF		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.4 x 1.00		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Product data

IEC: 400 V / 23 A
UL: 300 V / 15 A

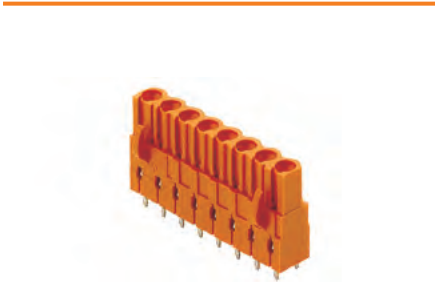


For additional articles and information, refer to catalog.weidmueller.com

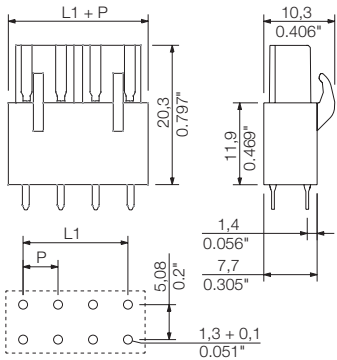
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

BLL 5.08../180



Dimensioned drawing



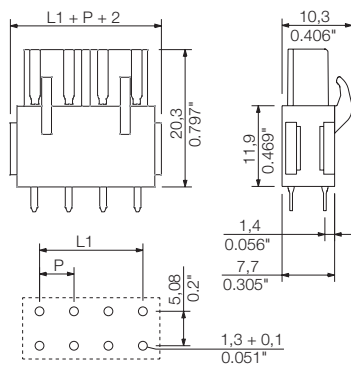
Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	180	1630710000
3	10.16	0.400	120	1630720000
4	15.24	0.600	90	1630730000
5	20.32	0.800	72	1630740000
6	25.40	1.000	60	1630750000
7	30.48	1.200	48	1630760000
8	35.56	1.400	42	1630770000
9	40.64	1.600	36	1630780000
10	45.72	1.800	36	1630790000
11	50.80	2.000	30	1630800000
12	55.88	2.200	30	1630810000
13	60.96	2.400	24	1648900000
14	66.04	2.600	24	1648910000
15	71.12	2.800	24	1648920000
16	76.20	3.000	18	1648930000
17	81.28	3.200	18	1648940000
18	86.36	3.400	18	1648950000
19	91.44	3.600	18	1648960000
20	96.52	3.800	18	1648970000
21	101.60	4.000	12	1648980000
22	106.68	4.200	12	1648990000
23	111.76	4.400	12	1649000000
24	116.84	4.600	12	1649010000

BLL 5.08/.. /180B



Dimensioned drawing



Ordering data

Solder pin length		3.2 mm		
Colour		Orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	150	1682730000
3	10.16	0.400	108	1682740000
4	15.24	0.600	78	1682750000
5	20.32	0.800	66	1682760000
6	25.40	1.000	54	1682770000
7	30.48	1.200	48	1682780000
8	35.56	1.400	42	1682790000
9	40.64	1.600	36	1682800000
10	45.72	1.800	30	1682810000
11	50.80	2.000	30	1682820000
12	55.88	2.200	24	1682830000
13	60.96	2.400	24	1682840000
14	66.04	2.600	24	1682850000
15	71.12	2.800	24	1682860000
16	76.20	3.000	18	1682870000
17	81.28	3.200	18	1682880000
18	86.36	3.400	18	1682890000
19	91.44	3.600	18	1682900000
20	96.52	3.800	18	1682910000
21	101.60	4.000	12	1682920000
22	106.68	4.200	12	1682930000
23	111.76	4.400	12	1682940000
24	116.84	4.600	12	1682950000

OMNIMATE Signal

PCB connectors Series RSV

OMNIMATE Signal PCB connectors Series RSV	Connectors in 5.00 mm pitch Series RSV		
		Explanation	F.2
		Quick selection	F.4
		Product selection	F.6

RSV 1.6 CB / CS

Highest flexibility with the highest density

A space miracle for the PCB and the field wiring permits up to 36 contacts to be inserted in one operation. The crimp contacts ensure that the contacts can be quickly and flexibly assembled – their plastic cases automatically snap together when joined. This system can be used for many signalling purposes: whether it is soldered on to the circuit board, mounted on the rail using a mounting-rail foot, or built in to the front of the device. This product line also includes versatile coding elements, a choice between tin or gold surfaces, and snap-on plug hoods.

Versatile system-based wiring

Very versatile assembly: different functions can be combined with different wire cross-sections (from 0.14 mm² to 2.5 mm²). Tin-plated or gold-plated contact surfaces can be custom selected from pole to pole based on your application requirements. This delivers clear cost savings. Higher voltages may require larger clearance gaps between the contacts. This problem can be solved without changing to a different type of connector by simply occupying every second pole.



Also with gold contacts to meet application requirements

Gold-plated contacts are the best solution for very low currents or voltages, such as those used with measurements. Gold surfaces are a reliable safeguard against friction corrosion caused by long-term vibrations. Compared to tin contacts which are rated for 100 plugging cycles, gold-plated contacts have an increased rating of 500 plugging cycles.

F

Highest component assembly density for 5-mm pitch

Every square mm is crucial on the circuit board. The RSV permit 36 poles to fit in a 5-mm pitch on a 40 mm x 29 mm surface.



<http://www.OMNIMATE.net>

○

= Wire-to-Board

●

= Board-to-Board

●

= Wire-to-Wire

●

= Board-to-Wire

















Series RSV



Type				Levels	
		Contact surface			
		Flange options			
		IEC / UL			
				Page	

Female plug	 Crimp		RSV1.6 CB..	Tin / Gold	(G)	IEC: 630 V/17 A UL: 600 V/10 A/AWG 26 - 12	F.15
			RSV1.6 LB.. SN	Tin	(G)/F	IEC: 500 V/14 A UL: 300 V/10 A	F.8
			RSV1.6 LB.. AU	Gold	(G)/F	IEC: 500 V/14 A UL: 300 V/10 A	F.12

(G)*= Closed (without flange)
F = Flange

* = not included in the article description

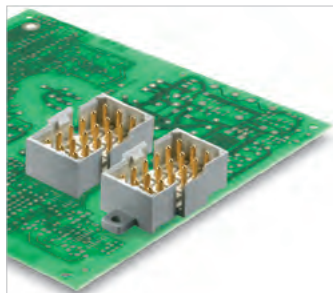
Male header	Male plug
 Solder connection	 Crimp



1		1
RSV1.6 LS.. SN	RSV1.6 LS.. AU	RSV1.6 CS..
Tin	Gold	Tin / Gold
(G)/F	(G)/F	(G)
IEC: 500 V/14 A UL: 300 V/10 A	IEC: 500 V/14 A UL: 300 V/10 A	IEC: 630 V/17 A UL: 600 V/10 A/AWG 26 - 12
F.6	F.10	F.14
		
		
		

Connectors in 5.00 mm pitch
Series RSV

RSV1.6 LS..



Rectangular plug-in male connector with solder contacts for PCB applications. High connection density achieved by using several rows and crimp contacts in the mating connector. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

Product data

IEC: 500 V / 14 A

UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

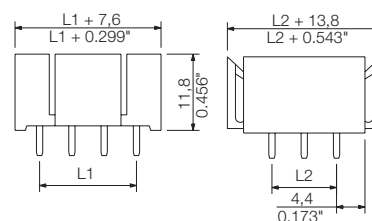
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

RSV1.6 LS.. SN



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²			
Solid core H05(07) V-U	mm ²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	14	12	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overtoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	500
Rated impulse voltage	kV	4	2.5	2.5
UL / CUL (Use Group)		B	C	D
Rated voltage	V			
Rated current	A			
AWG conductor	AWG			
CSA (Use Group)		B	C	D
Rated voltage	V	300		
Rated current	A	13		
AWG conductor	AWG	-		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface		tinned		
Pin dimensions = d	mm	0.97		
Solder eyelet Ø = D	mm	1.3		
Solder eyelet Ø tolerance	mm	+ 0,1		

Accessories

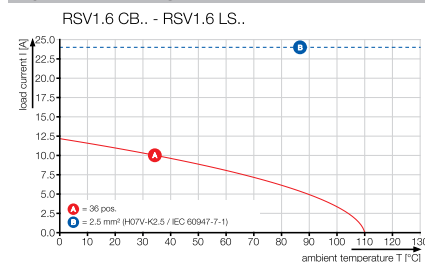
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	RSV1.6 KO	1567430000

Ordering data

Solder pin length			3.2 mm	
Colour			Pebble grey	
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	100	1440500000
6	10.00	0.394	50	1441500000
9	10.00	0.394	50	1442500000
12	15.00	0.591	25	1443500000
18	25.00	0.984	25	1444500000
24	25.00	0.984	20	1445500000
36	40.00	1.575	10	1446500000

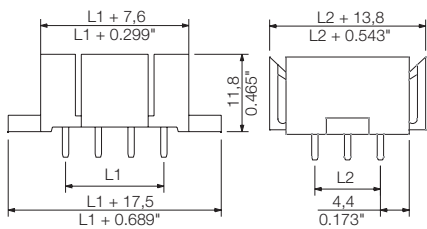
Representative deratings curve



RSV1.6 LSF.. SN



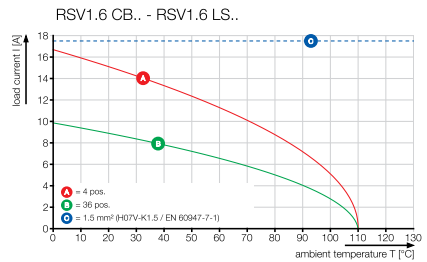
Dimensioned drawing



Ordering data

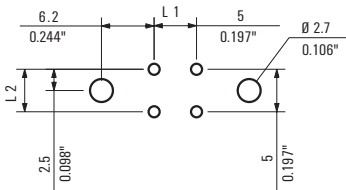
Solder pin length		3.2 mm	
Colour		Pebble grey	
Pitch		5.00 mm	
Pol.	L1	(inch)	Qty. Order No.
4	5.00	0.197	100 1440900000
6	10.00	0.394	50 1441900000
9	10.00	0.394	50 1442900000
12	15.00	0.591	25 1443900000
18	25.00	0.984	25 1444900000
24	25.00	0.984	20 1445900000
36	40.00	1.575	10 1446900000

Additional deratings curves

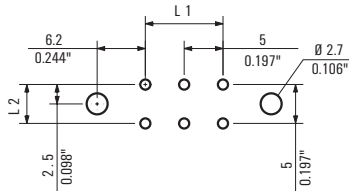


Drilling diagrams

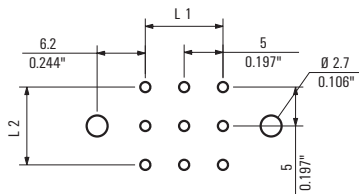
4-pole



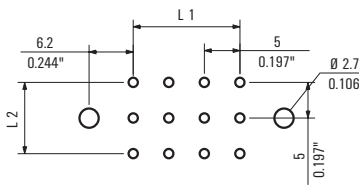
6-pole



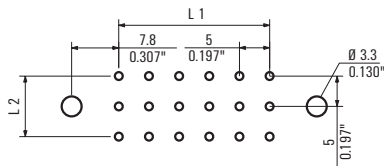
9-pole



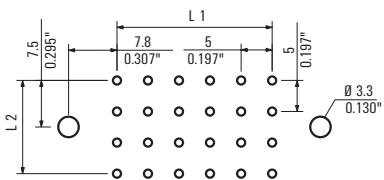
12-pole



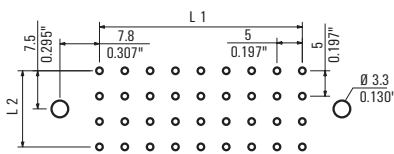
18-pole



24-pole

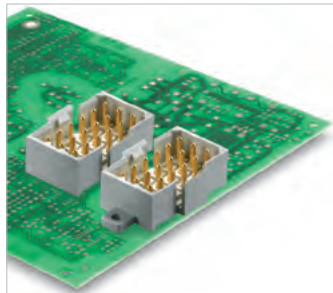


36-pole



Connectors in 5.00 mm pitch
Series RSV

RSV1.6 LB..



Rectangular plug-in female connector with solder contacts for PCB applications. High connection density achieved by using several rows and crimp contacts in the mating connector. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

Product data

IEC: 500 V / 14 A

UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

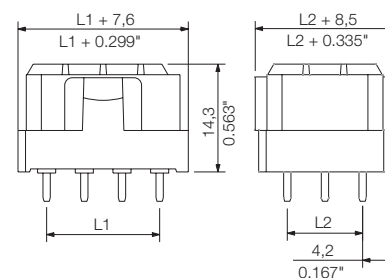
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

RSV1.6 LB.. SN



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	14	12
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	2.5
UL / CUL (Use Group)		B	C
Rated voltage	V	300	
Rated current	A	10	
AWG conductor	AWG	-	
CSA (Use Group)		B	C
Rated voltage	V	300	
Rated current	A	13	
AWG conductor	AWG	-	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		tinned	
Pin dimensions = d	mm	0.97	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

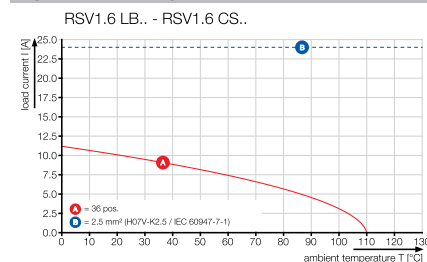
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	RSV1.6 K0	1567430000

Ordering data

Solder pin length			3.2 mm	
Colour			Pebble grey	
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	100	1440300000
6	10.00	0.394	50	1441300000
9	10.00	0.394	50	1442300000
12	15.00	0.591	25	1443300000
18	25.00	0.984	25	1444300000
24	25.00	0.984	20	1445300000
36	40.00	1.575	10	1446300000

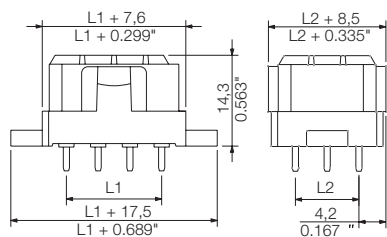
Representative deratings curve



RSV1.6 LBF.. SN



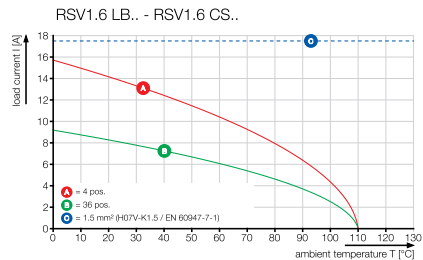
Dimensioned drawing



Ordering data

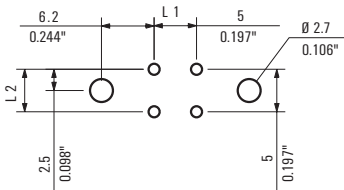
Solder pin length		3.2 mm	
Colour		Pebble grey	
Pitch		5.00 mm	
Pol.	L1	(inch)	Qty. Order No.
4	5.00	0.197	100 1440700000
6	10.00	0.394	50 1441700000
9	10.00	0.394	50 1442700000
12	15.00	0.591	25 1443700000
18	25.00	0.984	25 1444700000
24	25.00	0.984	20 1445700000
36	40.00	1.575	10 1446700000

Additional deratings curves

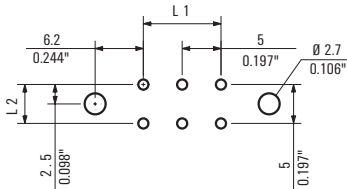


Drilling diagrams

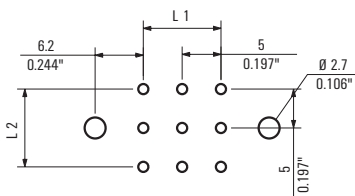
4-pole



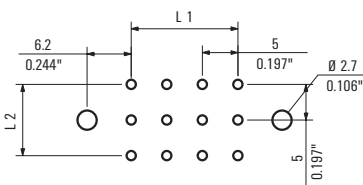
6-pole



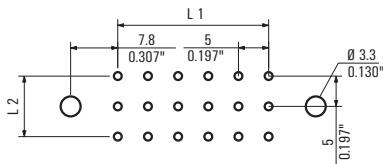
9-pole



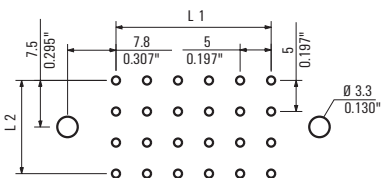
12-pole



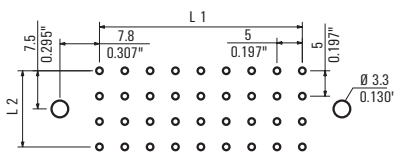
18-pole



24-pole

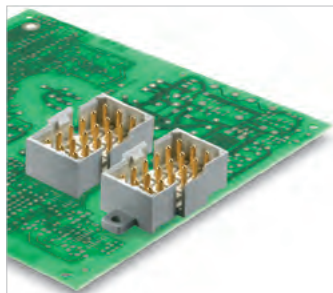


36-pole



Connectors in 5.00 mm pitch
Series RSV

RSV1.6 LS.. AU



Rectangular plug-in male connector with solder contacts for PCB applications. High connection density achieved by using several rows and crimp contacts in the mating connector. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

Product data

IEC: 500 V / 14 A

UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

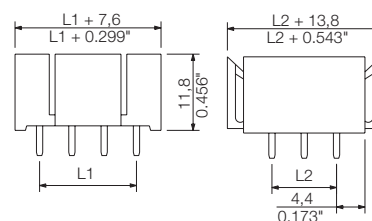
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

RSV1.6 LS.. AU



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	14	12
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overtolerance category		III	II
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	2.5
UL / CUL (Use Group)		B	C
Rated voltage	V		
Rated current	A		
AWG conductor	AWG		
CSA (Use Group)		B	C
Rated voltage	V	300	
Rated current	A	13	
AWG conductor	AWG	-	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		Gold-plated	
Pin dimensions = d	mm	0.97	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

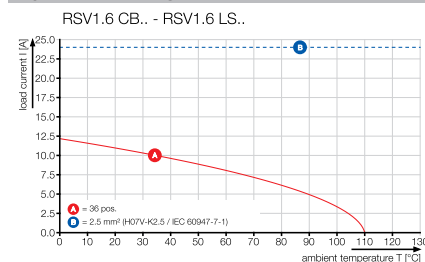
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	RSV1.6 KO	1567430000

Ordering data

Solder pin length				3.2 mm
Colour				Pebble grey
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	100	1440400000
6	10.00	0.394	50	1441400000
9	10.00	0.394	50	1442400000
12	15.00	0.591	25	1443400000
18	25.00	0.984	25	1444400000
24	25.00	0.984	20	1445400000
36	40.00	1.575	10	1446400000

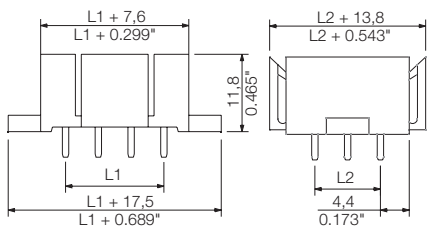
Representative deratings curve



RSV1.6 LSF.. AU



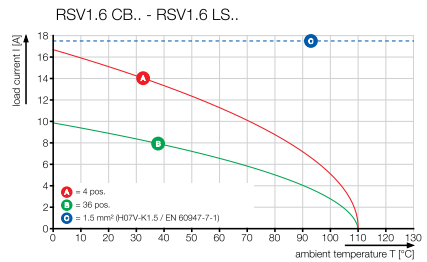
Dimensioned drawing



Ordering data

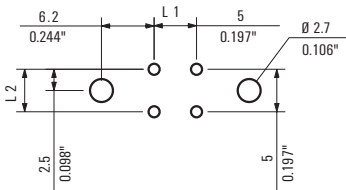
Solder pin length		3.2 mm		
Colour		Pebble grey		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	100	1440800000
6	10.00	0.394	50	1441800000
9	10.00	0.394	50	1442800000
12	15.00	0.591	25	1443800000
18	25.00	0.984	25	1444800000
24	25.00	0.984	20	1445800000
36	40.00	1.575	10	1446800000

Additional deratings curves

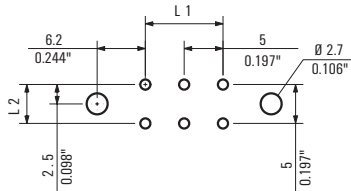


Drilling diagrams

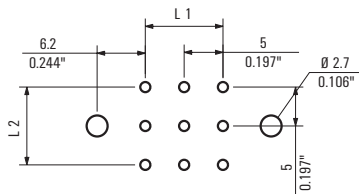
4-pole



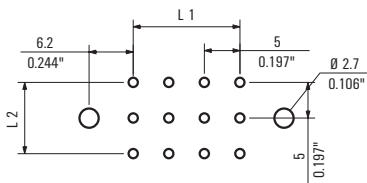
6-pole



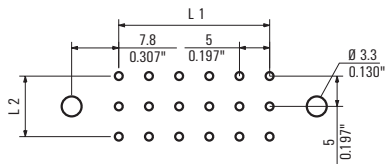
9-pole



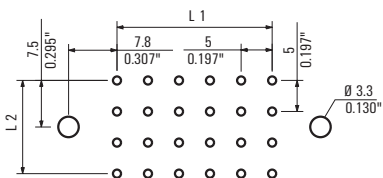
12-pole



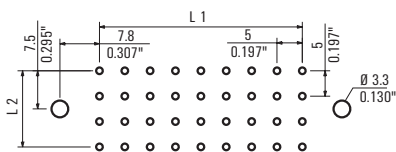
18-pole



24-pole

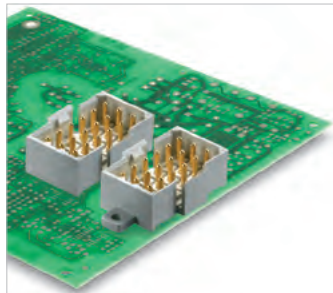


36-pole



Connectors in 5.00 mm pitch
Series RSV

RSV1.6 LB.. AU



Rectangular plug-in female connector with solder contacts for PCB applications. High connection density achieved by using several rows and crimp contacts in the mating connector. The plug-in connectors can be coded and locked to the mating connector. Supplied in cardboard box.

Product data

IEC: 500 V / 14 A

UL: 300 V / 10 A



For additional articles and information, refer to catalog.weidmueller.com

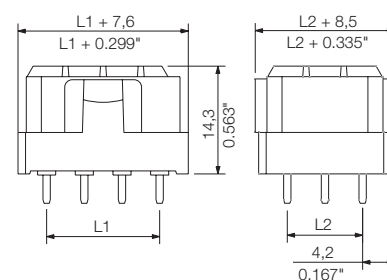
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

RSV1.6 LB.. AU



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²		
Solid core H05(07) V-U	mm ²		
Stranded H07 V-R			
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
According to norm			
Tightening torque range	Nm		
Rated current, max.	A	14	12
At ambient temperature		20°C	40°C
For conductor cross-section	mm ²		
Overvoltage category		III	III II
Pollution severity		3	2 2
Rated voltage	V	250	320 500
Rated impulse voltage	kV	4	2.5 2.5
UL / CUL (Use Group)		B	C D
Rated voltage	V	300	
Rated current	A	10	
AWG conductor	AWG	-	
CSA (Use Group)		B	C D
Rated voltage	V	300	
Rated current	A	13	
AWG conductor	AWG	-	
General data			
Type of insulation material		Wemid (PA)	
UL 94 flammability rating		V-0	
Contact base material		Cu-Leg	
Material of contact surface		Gold-plated	
Pin dimensions = d	mm	0.97	
Solder eyelet Ø = D	mm	1.3	
Solder eyelet Ø tolerance	mm	+ 0,1	

Accessories

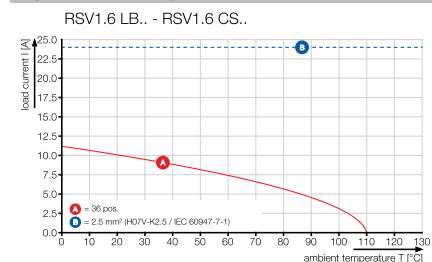
Note: Refer to the Accessories chapter for additional accessories.

Coding		Order No.
	RSV1.6 KO	1567430000

Ordering data

Solder pin length			3.2 mm	
Colour			Pebble grey	
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	100	1440200000
6	10.00	0.394	50	1441200000
9	10.00	0.394	50	1442200000
12	15.00	0.591	25	1443200000
18	25.00	0.984	25	1444200000
24	25.00	0.984	20	1445200000
36	40.00	1.575	10	1446200000

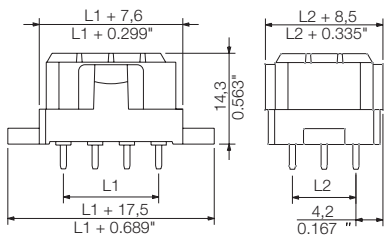
Representative deratings curve



RSV1.6 LBF.. AU



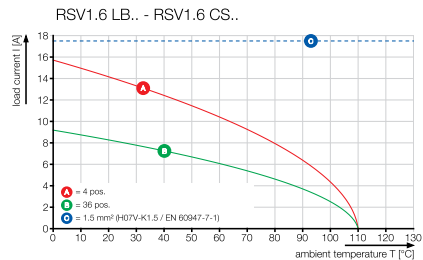
Dimensioned drawing



Ordering data

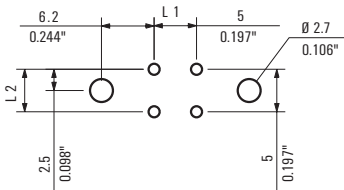
Solder pin length		3.2 mm	
Colour		Pebble grey	
Pitch		5.00 mm	
Pol.	L1	(inch)	Qty. Order No.
4	5.00	0.197	100 1440600000
6	10.00	0.394	50 1441600000
9	10.00	0.394	50 1442600000
12	15.00	0.591	25 1443600000
18	25.00	0.984	25 1444600000
24	25.00	0.984	20 1445600000
36	40.00	1.575	10 1446600000

Additional deratings curves

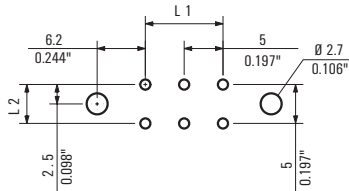


Drilling diagrams

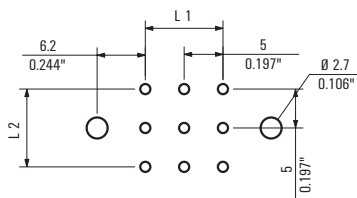
4-pole



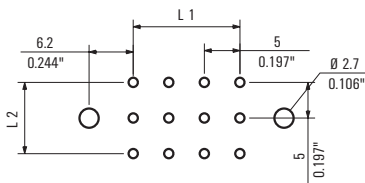
6-pole



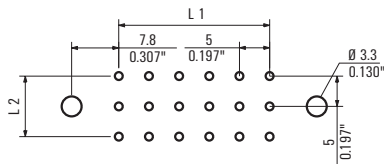
9-pole



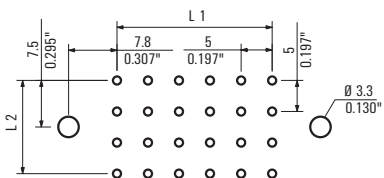
12-pole



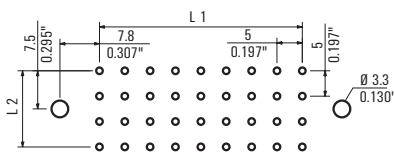
18-pole



24-pole



36-pole



Connectors in 5.00 mm pitch
Series RSV

RSV1.6 CS.. & CB..



Rectangular plug-in connector for use with crimp contacts. Can be used as universal coupling, but also with the PCB variations. The crimp contacts guarantee a high connection density. The CS 1.6 or CB 1.6 contacts are used here. The connectors can be coded and locked together with their mates. Supplied in cardboard box.

Technical data

In compliance with IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²	0.13...3.31		
Solid core H05(07) V-U	mm²			
Stranded H07 V-R				
Flexible H05(07) V-K	mm ²	0.2...2.5		
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm	4		
Screwdriver blade	mm			
According to norm				
Tightening torque range	Nm			
Rated current, max.	A	17	15	
At ambient temperature		20°C	40°C	
For conductor cross-section	mm ²			
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	400	630
Rated impulse voltage	kV	4	4	4
UL / CUL (Use Group)		B	C	D
Rated voltage	V			
Rated current	A			
AWG conductor	AWG			
CSA (Use Group)		B	C	D
Rated voltage	V	600		
Rated current	A	13		
AWG conductor	AWG	26-12		
General data				
Type of insulation material		Wemid (PA)		
UL 94 flammability rating		V-0		
Contact base material		Cu-Leg		
Material of contact surface				
Pin dimensions = d	mm			
Solder eyelet Ø = D	mm			
Solder eyelet Ø tolerance	mm			

Product data

IEC: 630 V / 17 A

UL: 600 V / 10 A / AWG 26 - 12



For additional articles and information, refer to catalog.weidmueller.com

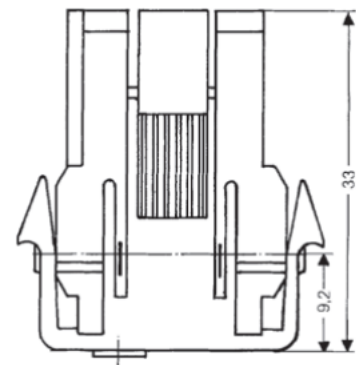
Note:

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- Rated cross-section depends on crimp contact used.
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.
- Max. outer diameter of the cable (with insulation): 3.5 mm

RSV1.6 CS..



Dimensioned drawing



Accessories

Note: Refer to the Accessories chapter for additional accessories.

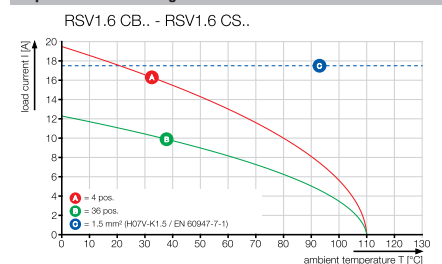
Release tool	Order No.
DW RSV 1.6	9004530000
Crimping tool	
HTF RSV 16 WI	9013560000
Clip-in foot	
RSV1,6 RF12/35x15 SW	1690140000
RSV1,6 RF12/35x7.5 SW	1582940000
RSV1,6 RF18/35x15 SW	1690150000
RSV1,6 RF18/35x7.5 SW	1582950000
RSV1,6 RF24/35x15 SW	1690160000
RSV1,6 RF24/35x7.5 SW	1582960000
RSV1,6 RF36/35x15 SW	1690170000
RSV1,6 RF36/35x7.5 SW	1582970000
RSV1,6 RF4/35x15 SW	1690110000
RSV1,6 RF4/35x7.5 SW	1582910000
RSV1,6 RF6/35x15 SW	1690120000
RSV1,6 RF6/35x7.5 SW	1582920000
RSV1,6 RF9/35x15 SW	1690130000
RSV1,6 RF9/35x7.5 SW	1582930000
Strain relief	
RSV1,6 ZE04 BK BX	1563600000
RSV1,6 ZE06 BK BX	1563500000
RSV1,6 ZE09 BK BX	1563400000
RSV1,6 ZE12 BK BX	1563300000
RSV1,6 ZE18 BK BX	1563200000
RSV1,6 ZE24 BK BX	1563100000
RSV1,6 ZE36 BK BX	1563000000
Coding	
RSV1,6 K0	1567430000

Ordering data

Solder pin length

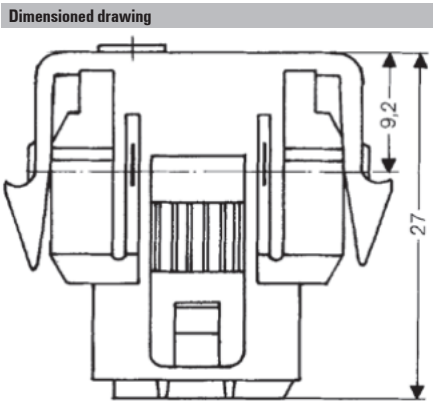
Colour				Pebble grey
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	5.00	0.197	25	1413100000
6	10.00	0.394	25	1414100000
9	10.00	0.394	25	1415100000
12	15.00	0.591	25	1416100000
18	25.00	0.984	25	1417100000
24	25.00	0.984	20	1418100000
36	40.00	1.575	10	1419100000

Representative deratings curve



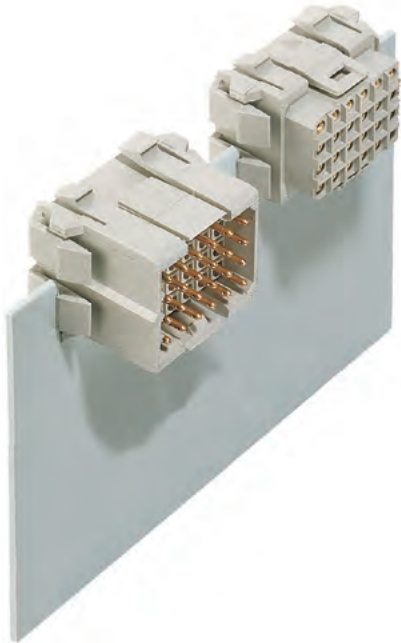
RSV1.6 CB..

Mounting cutout

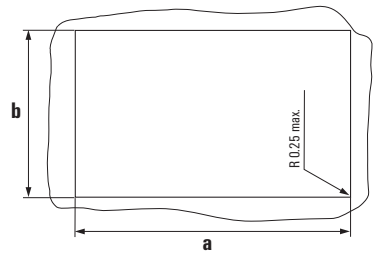


Ordering data

Solder pin length					
Colour					Pebble grey
Pitch	5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.	
4	5.00	0.197	25	1413000000	
6	10.00	0.394	25	1414000000	
9	10.00	0.394	25	1415000000	
12	15.00	0.591	25	1416000000	
18	25.00	0.984	25	1417000000	
24	25.00	0.984	20	1418000000	
36	40.00	1.575	10	1419000000	



- Spring clips ensure firm hold in enclosure wall



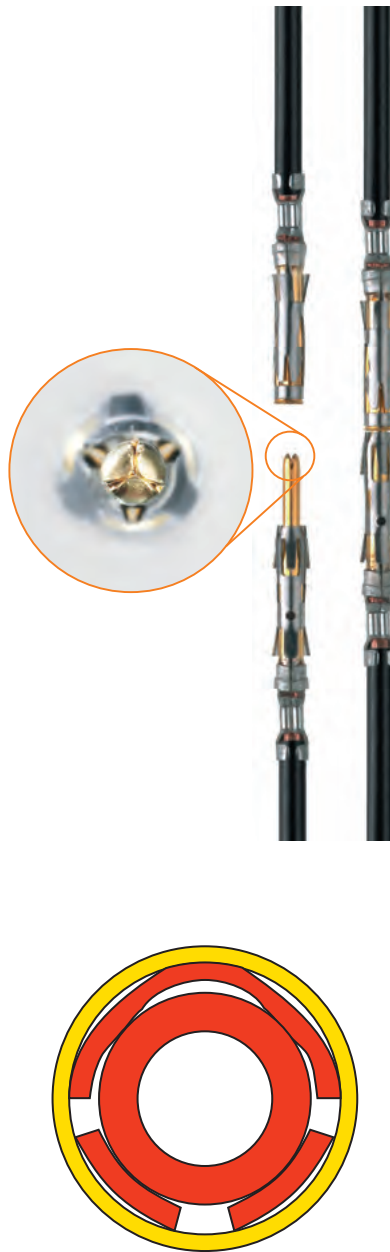
Mounting cutout for enclosure RSV 1.6
Wall thickness 1.5...2.0 mm

No. of poles	Dim. a (mm)*	Dim. b (mm)*
4	20.3	17.8
6	25.1	18.1
9	25.1	24.0
12	30.0	24.0
18	40.5	24.0
24	40.5	28.3
36	55.5	28.3

*) Tolerance: +0.3 mm

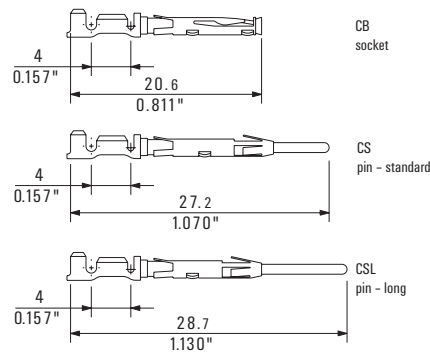
Connectors in 5.00 mm pitch
Series RSV

Contact system CB 1.6 / CS 1.6



CB 1.6 / CS 1.6

Crimp contacts



Ordering data

Tinned contacts

For cable size mm ²	AWG	Insulation diameter mm	
0.14 - 0.25	26 - 24	0.8 - 1.4	pin - standard pin - long socket
0.34 - 0.5	22 - 20	1.1 - 1.8	pin - standard pin - long socket
0.34 - 0.5	22 - 20	2.0 - 2.5	pin - standard pin - long socket
0.75 - 1.5	18 - 16	2.0 - 2.5	pin - standard pin - long socket
0.75 - 1.5	18 - 16	2.0 - 3.5	pin - standard pin - long socket
2.5	14 - 12	2.8 - 3.5	pin - standard pin - long socket
2.5	14 - 12	2.8 - 4.2	pin - standard pin - long socket

Ordering data

Tinned contacts

For cable size mm ²	AWG	Insulation diameter mm	
0.14 - 0.25	26 - 24	0.8 - 1.4	Stift - standard pin - long socket
0.34 - 0.5	22 - 20	1.1 - 1.8	Stift - standard pin - long socket
0.34 - 0.5	22 - 20	2.0 - 2.5	Stift - standard pin - long socket
0.75 - 1.5	18 - 16	2.0 - 2.5	Stift - standard pin - long socket
0.75 - 1.5	18 - 16	2.0 - 3.5	Stift - standard pin - long socket
2.5	14 - 12	2.8 - 3.5	Stift - standard pin - long socket
2.5	14 - 12	2.8 - 4.2	Stift - standard pin - long socket

Separate contacts Order No.	Qty.	Cont. on a strip Order No.	Qty.
1421600000	250	1421500000	5000
1421700000	250	1565900000	5000
1421900000	250	1421800000	5000
1423600000	250	1423500000	5000
1423700000	250	1565870000	5000
1423900000	250	1423800000	5000
1425600000	250	1425500000	5000
1425700000	250	1565840000	5000
1425900000	250	1425800000	5000
1427600000	250	1427500000	5000
1427700000	250	1565810000	5000
1427900000	250	1427800000	5000
1582270000	250	1582280000	3000
1582350000	250	1582360000	3000
1582430000	250	1582440000	3000
1429600000	250	1429500000	3000
1429700000	250	1565780000	3000
1429900000	250	1429800000	3000
1582310000	250	1582320000	3000
1582390000	250	1582400000	3000
1582470000	250	1582480000	3000

Separate contacts Order No.	Qty.	Cont. on a strip Order No.	Qty.
1420600000	250	1420500000	5000
1420700000	250	1565880000	5000
1420900000	250	1420800000	5000
1422600000	250	1422500000	5000
1422700000	250	1565850000	5000
1422900000	250	1422800000	5000
1424600000	250	1424500000	5000
1424700000	250	1565820000	5000
1424900000	250	1424800000	5000
1426600000	250	1426500000	5000
1426700000	250	1565790000	5000
1426900000	250	1426800000	5000
1582250000	250	1582260000	3000
1582330000	250	1582340000	3000
1582410000	250	1582420000	3000
1428600000	250	1428500000	3000
1428700000	250	1565760000	3000
1428900000	250	1428800000	3000
1582290000	250	1582300000	3000
1582370000	250	1582380000	3000
1582450000	250	1582460000	3000

- Safe centring of the contacts using the three-segment pin tips
- 4 defined contact points ensure high contact stability
- Lugs in the enclosing steel spring ensure the contact engages securely in the housing
- Pin contacts with two lengths to implement leading-pin contacts
- Up to 100 plugging cycles (tin version)
- Up to 500 plugging cycles (gold version)

OMNIMATE Signal Accessories

OMNIMATE Signal Accessories	Strain relief	G.2
	Snap-on foot	G.3
	Covers	G.4
	Lock / Fixing blocks	G.5
	Light guides	G.8
	Coding elements	G.10
	Dividing element	G.11
	Separator plates	G.12
	Disconnect element	G.13
	Fuse element	G.13
	Marker carrier	G.14
	LED holder	G.14
	Cross-connector	G.15
	Test plug	G.15
	Identification systems	G.16
	IDC assembly blocks	G.19
	Crimping tools	G.20
	Disengaging tool / Removal tool	G.21
	Screwdrivers	G.22

Strain relief

BL 3.50 ZE
BLZF 3.50 ZE

Strain relief



- Supports and protects the cable connections when removing the plug-in connector and during normal operation.
- Helpful when inserting and removing plug-in connector.

BLZ 5.00 ZE
BLZF 5.08 ZE

Strain relief



- Supports and protects the cable connections when removing the plug-in connector and during normal operation.
- Helpful when inserting and removing plug-in connector.

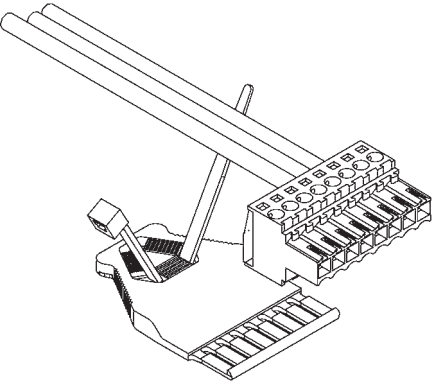
BLT ZE

Strain relief



- Supports and protects the cable connections when removing the plug-in connector and during normal operation.
- Helpful when inserting and removing plug-in connector.

G



Ordering data

Colour		orange	black
No. of poles	Qty.	Order No.	Order No.
from 3	50	1629680000	1627820000
from 8	50	1629690000	1627830000

Ordering data

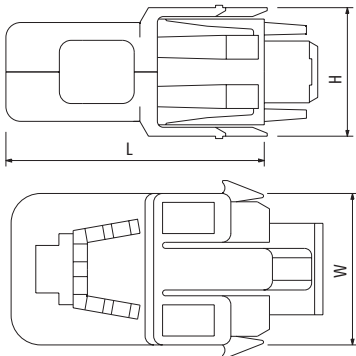
Colour		orange	black
No. of poles	Pitch (mm)	Qty.	Order No.
from 4	5,00	50	1652100000
from 8	5,00	50	1652040000
from 4	5,08	50	1652110000
from 8	5,08	50	1652050000

Ordering data

Colour		orange
No. of poles	Qty.	Order No.
from 4	50	1577980000
from 9	50	1578010000

RSV ZE

Strain relief

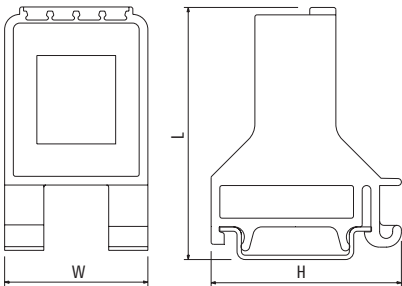


Ordering data

Pole	W (mm)	L (mm)	H (mm)	Qty.	Order No.
4	20,50	39,00	22,20	10	1563600000
6	25,50	44,00	22,40	10	1563500000
9	25,50	44,00	28,40	10	1563400000
12	33,00	51,50	28,60	10	1563300000
18	40,00	58,50	28,60	10	1563200000
24	40,00	58,50	28,60	10	1563100000
36	55,00	73,50	32,60	10	1563000000

RSV RF

Snap-on foot for terminal rail

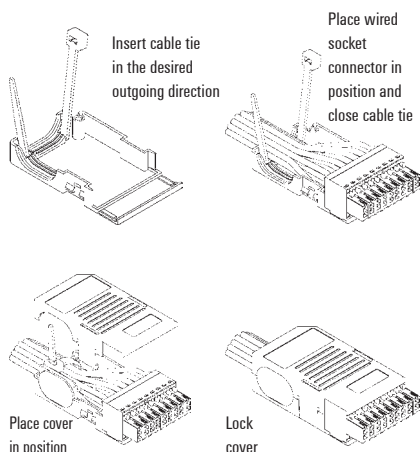
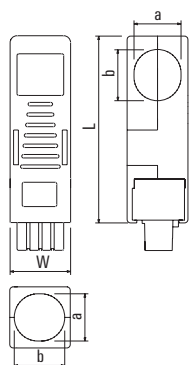


Ordering data

Snap-on foot for TS 35 x 7.5					black
Pole	W (mm)	L (mm)	H (mm)	Qty.	Order No.
4	32,90	58,90	43,70	10	1582910000
6	32,90	58,90	43,70	10	1582920000
9	32,90	58,90	43,70	10	1582930000
12	32,90	58,90	43,70	10	1582940000
18	37,30	83,40	43,70	10	1582950000
24	37,30	83,40	43,70	10	1582960000
36	37,30	83,40	43,70	10	1582970000
Snap-on foot for TS 35 x 15					
4	32,90	65,40	43,70	10	1690110000
6	32,90	65,40	43,70	10	1690120000
9	32,90	65,40	43,70	10	1690130000
12	32,90	65,40	43,70	10	1690140000
18	37,30	90,90	43,70	10	1690150000
24	37,30	90,90	43,70	10	1690160000
36	37,30	90,90	43,70	10	1690170000

B2L 3.50 AH

Cover

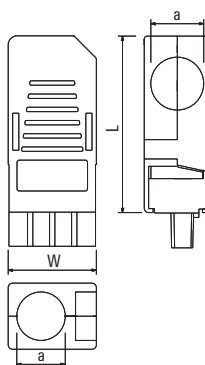


Ordering data

Pole	W (mm)	L (mm)	a (mm)	b (mm)	Qty.	Order No.
6	10,50	39,80	9,55	8,00	10	1781560000
8	14,00	39,80	9,55	8,00	10	1781570000
10	17,50	39,80	13,60	9,00	10	1781580000
12	21,00	39,80	13,60	9,00	10	1781590000
14	24,50	39,80	13,60	20,00	10	1781600000
16	28,00	39,80	13,60	20,00	10	1781610000
18	31,50	53,80	13,60	20,00	10	1781620000
20	35,00	53,80	13,60	20,00	10	1781630000
22	38,50	53,80	13,60	20,00	10	1781640000
24	42,00	53,80	13,60	20,00	10	1781650000
26	45,50	53,80	13,60	20,00	10	1781660000
28	49,00	53,80	13,60	20,00	10	1781670000
30	52,50	53,80	13,60	20,00	10	1781680000
32	56,00	53,80	13,60	20,00	10	1781690000
34	59,50	53,80	13,60	20,00	10	1781700000
36	63,00	53,80	13,60	20,00	10	1781710000

BL 3.50 AH

Cover

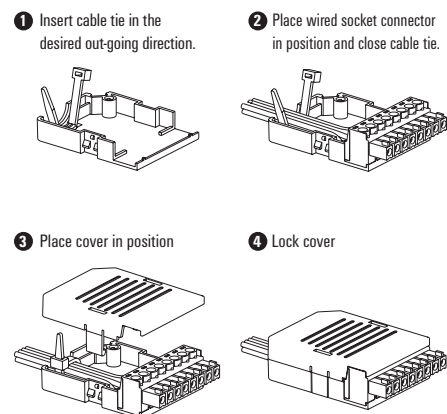
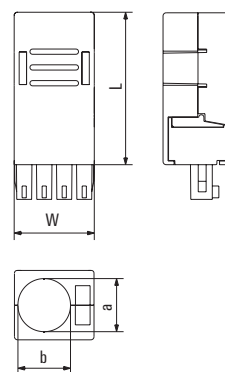


Ordering data

Pole	W (mm)	L (mm)	a (mm)	b (mm)	Qty.	Order No.
2	-	-	-	-	-	-
3	10,50	30,00	8,50	-	10	1745580000
4	14,00	30,00	8,50	-	10	1745590000
5	17,50	30,00	8,50	-	10	1745600000
6	21,00	30,00	8,50	-	10	1745610000
7	24,50	40,00	11,00	-	10	1745620000
8	28,00	40,00	11,00	-	10	1745630000
9	31,50	40,00	11,00	-	10	1745640000
10	35,00	40,00	11,00	-	10	1745650000
11	38,50	40,00	11,00	-	10	1745660000
12	42,00	40,00	11,00	-	10	1745670000
13	45,50	40,00	11,00	-	10	1745680000
14	49,00	40,00	11,00	-	10	1745690000
15	52,50	40,00	11,00	-	10	1745700000
16	56,00	40,00	11,00	-	10	1745710000

BCZ 3.81 AH

Cover



Ordering data

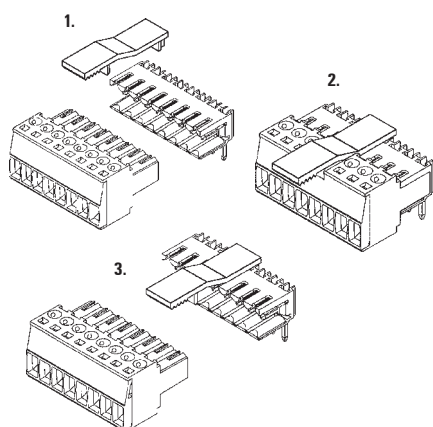
Pole	W (mm)	L (mm)	a (mm)	b (mm)	Qty.	Order No.
2	-	-	-	-	-	-
3	11,43	29	10	10	10	1005280000
4	15,24	29	10	10	10	1005290000
5	19,05	29	10	10	10	1005300000
6	22,86	29	10	10	10	1005310000
7	26,67	39	10	12,5	10	1005320000
8	30,48	39	10	12,5	10	1005330000
9	34,29	39	10	12,5	10	1005340000
10	38,1	39	10	13	10	1005350000
11	41,91	39	10	13,8	10	1005360000
12	45,72	39	10	14,6	10	1005370000
13	49,53	39	10	15,4	10	1005380000
14	53,34	39	10	16,2	10	1005390000
15	57,15	39	10	17	10	1005400000
16	60,96	39	10	17,8	10	1005410000

BL/SL 3.50 VR

Lock



- Simple, screw-less, vibration-proof mechanism for all single-row male connectors in conjunction with the standard 180° screw terminal socket connector BL 3.5.
- 2 VR locks are recommended for plug-in connectors with more than 8 poles.



Ordering data

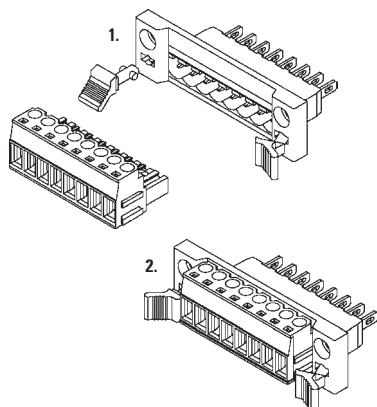
Colour		orange	black
No. of poles	Qty.	Order No.	Order No.
BL/SL 3.50 VR	100	1669310000	1669300000

SLDF VR

Lock



- For vibration-proof plug-in connections
- Socket must be B-Version with dovetail



Ordering data

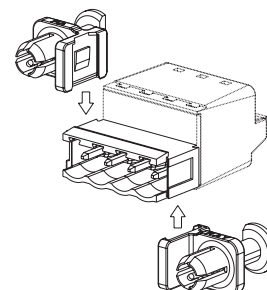
Colour		black
Type	Qty.	Order No.
SLDF VR	100	1599120000

BBDF

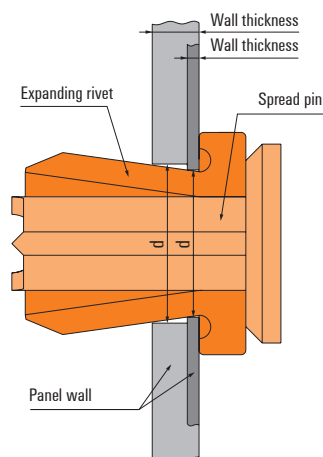
for universal feed-through-connection



Assembly Instruction



view of BBDF inside the panel



Ordering data

Colour		orange	black
Type	Width (mm)	Qty.	Order No.
BBDF	9,5	100	1307570000
			1307580000

Fixing blocks

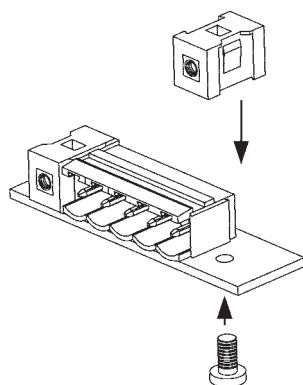
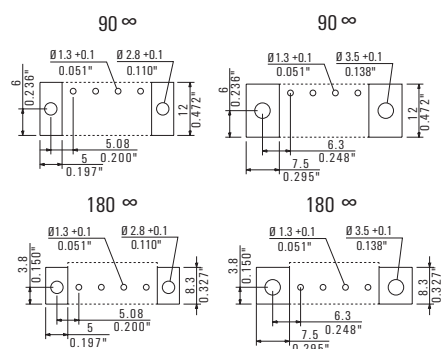
SLA BB1R SLA BB11R

Mounting blocks for headers, in 5.0x-mm pitch

SLA BB11R



SLA BB1R



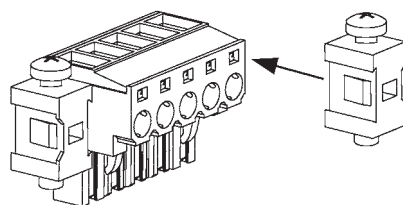
SLA BB2R SLA BB12R

Mounting blocks for plugs, in 5.0x-mm pitch

SLA BB12R

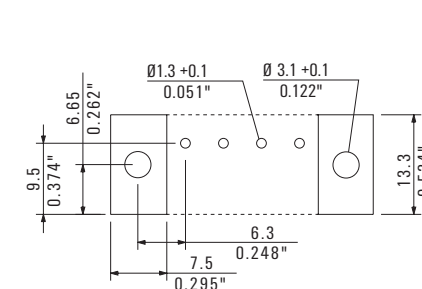


SLA BB2R



SL 135 BB15R

Mounting blocks for SL 135 male header



Ordering data

Colour		orange	black
Type	Width (mm)	Qty.	Order No.
SLA BB1R	7,5	20	1723430000
SLA BB11R	5,0	100	1604120000

Ordering data

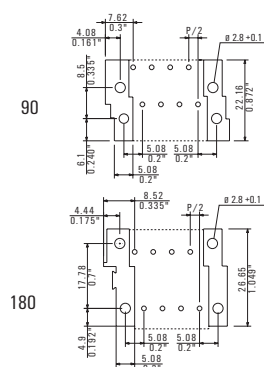
Colour		orange	black
Type	Width (mm)	Qty.	Order No.
SLA BB2R	7,5	20	1723440000
SLA BB12R	5,0	100	1593450000

Ordering data

Colour		orange	black
Type	Width (mm)	Qty.	Order No.
SL135 BB15R	7,5	20	1606450000

SLA BB14

Mounting blocks for SLD 5.08 headers



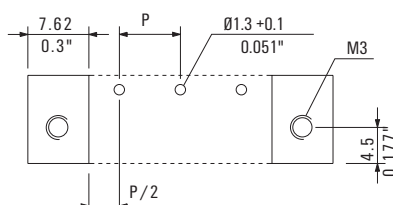
- Provides additional mechanical support for rows of male connectors on the PCB
- Also enables vibration-proof connections for the matching socket connectors.
- BB12 fixing blocks or an integral screw flange are required for the socket.
- Caution: Only to be used with SLD 5.08 90 / SLD 5.08 180.

Ordering data

Colour			orange	black
Type	Width (mm)	Qty.	Order No.	Order No.
SLA BB14	5.0	20	1594200000	1774460000

LPBB

PCB fixing block



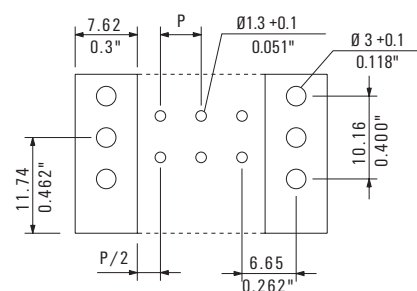
- Provides additional mechanical support for terminals LP, LP1N and LP 1H.
 - Can also be supplied with captive nut (LPBB MU).
- Ordering

Ordering data

Colour	orange	black
Type	Qty.	Order No.
LPBB	100	1747540000
LPBB MUJ	100	1747530000

TOP 1.5 BB

Fixing block for TOP 1.5 GS terminals



- Provides additional mechanical support for TOP 1.5 GS terminals.
- Supplied complete with 2.9 x 19 mm self-tapping screw.

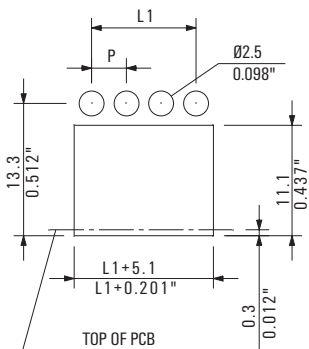
Ordering data

Colour	orange	black
Type	Qty.	Order No.
TOP1.5 BB	20	1539860000

Light guides

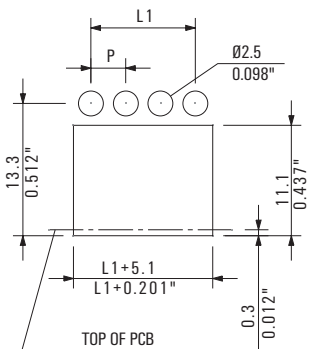
S2L FLA

Light guide



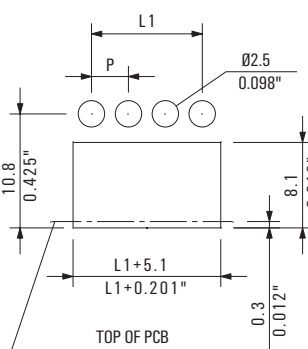
S2L-SMT FLA

Light guide

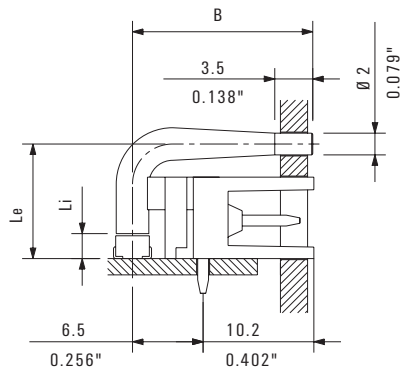
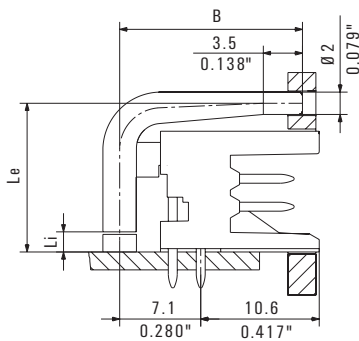
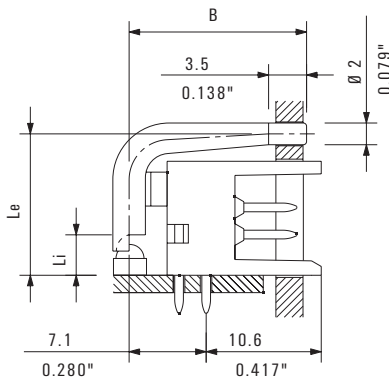


SL 3.50 FLA

Light guide



G



Ordering data

Pole	Li (mm)	Le (mm)	B (mm)	Qty.	Order No.
10	3,70	13,00	16,35	100	1699580000

Ordering data

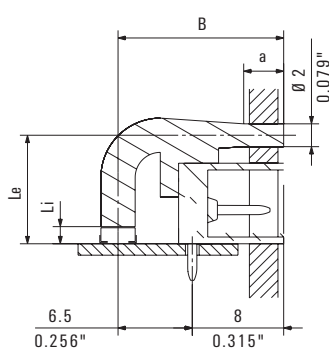
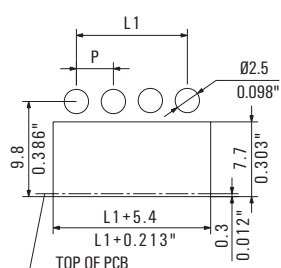
Pole	Li (mm)	Le (mm)	B (mm)	Qty.	Order No.
10	1,80	13,30	16,35	50	1814590000

Ordering data

Pole	Li (mm)	Le (mm)	B (mm)	Qty.	Order No.
8	1,50	10,55	16,60	50	1597510000
8	2,30	10,55	16,60	50	1597520000
8	4,00	10,55	16,60	50	1597530000
8	1,50	10,55	14,85	50	1597630000
8	2,30	10,55	14,85	50	1597640000
8	4,00	10,55	14,85	50	1597650000

SC 3.81 FLA

Light guide

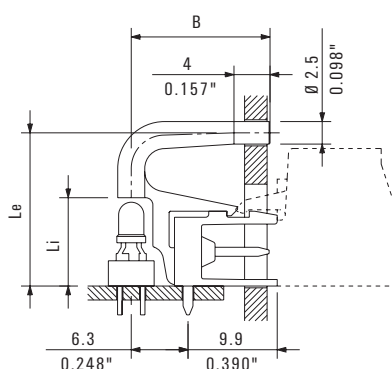
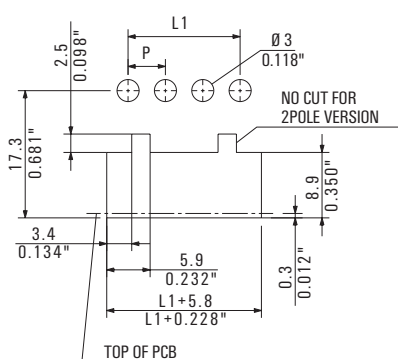


Ordering data

Pole	Li (mm)	Le (mm)	B (mm)	Qty.	Order No.
8	1,5	9,50	14,25	50	1979730000
8	2,3	9,50	14,25	50	1979750000
8	1,5	9,50	16,00	50	1979720000
8	2,3	9,50	16,00	50	1979740000

SL 5.08 FLA

Light guide



Ordering data

Pole	Li (mm)	Le (mm)	B (mm)	Qty.	Order No.
1	1,50	17,00	15,40	100	1580100000
1	2,30	17,00	15,40	100	1636670000
1	3,80	17,00	15,40	100	1580110000
1	9,00	17,00	15,40	100	1580120000
24	2,30	17,00	15,40	10	1636680000

Coding elements

B2L/S2L KO – B2CF/S2C KO

Coding element



- For coding plug-in connectors to prevent errors during installation.
- Suitable for plug and socket connectors.
- The coding does not block any poles.
- For reliable coding, we recommend at least 2 polarising pins per connector for 10-way and above

BL/SL 3.50 KO

Coding element



- For coding plug-in connectors to prevent errors during installation.
- Suitable for plug and socket connectors.
- The coding does not block any poles.
- A coding star includes 2 coding elements of different sizes. The larger of the two is used on the male connector.

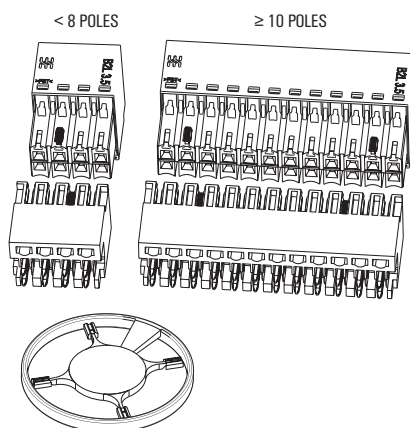
SC-SMT 3.81 KO

Coding element



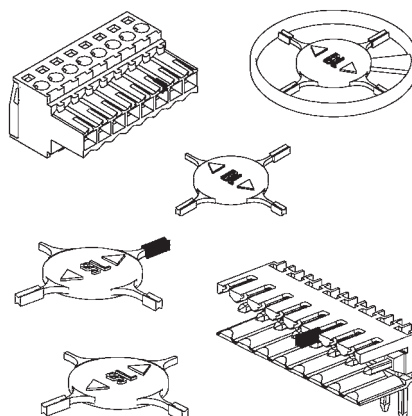
- For coding connectors in order to prevent mistakes during installation
- Only for male headers (SC.3.81..).
- Female headers (BCZ 3.81, BCF 3.81 and BCL-SMT 3.81) are coded using diagonal-cutting pliers. The coding does not occupy a pole.

G



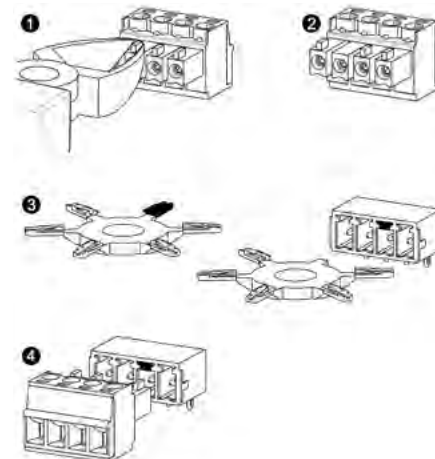
Ordering data

Colour		orange	black
Type	Qty.	Order No.	Order No.
B2L/S2L KO	100	1849730000	1849740000



Ordering data

Colour		orange	black
Type	Qty.	Order No.	Order No.
BL/SL 3.50 KO	100	1693430000	1610100000



Ordering data

Colour		grey
Type	Qty.	Order No.
SC-SMT 3.81 KO GR	100	1968900000

1 unit = 6 coding elements

BLZ/SL KO**Coding element**

- For coding plug-in connectors to prevent errors during installation.
- Suitable for plug and socket connectors.
- The coding does not block any poles.
- Coding element for the BL/SL 5.00 and BL/SL 5.08 series

RSV 1.6 KO**Coding element**

- For coding plug-in connectors to prevent errors during installation.
- Suitable for plug and socket connectors.
- The coding blocks individual poles.

SLAT**Dividing element**

- Subdivides male connectors into distinct segments.
- Prevents errors during installation.

Ordering data

Colour		orange	black
Type	Qty.	Order No.	Order No.
BLZ/SL KO	100	1573010000	1545710000

Ordering data

Colour		black
Type	Qty.	Order No.
RSV 1.6 KO	50	1567430000

Ordering data

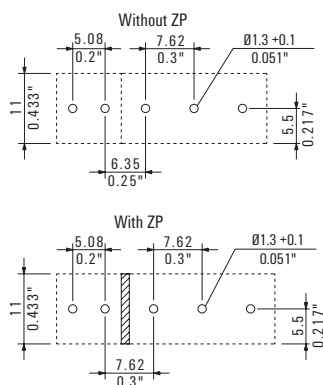
Colour		orange	black
Type	Qty.	Order No.	Order No.
SLAT	100	1598300000	1770240000



Separator plates

LPZP 1.27/90

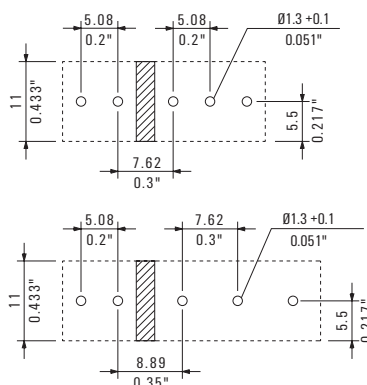
Separator plates



- Spacer plate for separating connections with different voltages and pitches.

LPZP 2.54/90

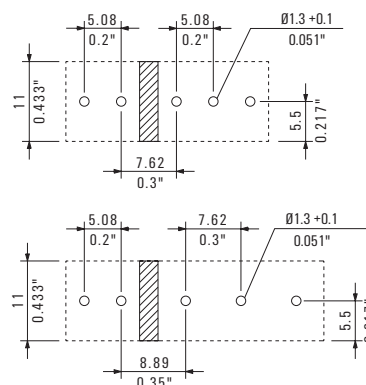
Separator plates



- For clear identification of phases in adjacent connections.
- Spacer plate for separating connections with different voltages and pitches.

LPZP 2.54/135

Separator plates



- For clear identification of phases in adjacent connections.
- Spacer plate for separating connections with different voltages and pitches.

Ordering data

Colour	orange	black
Type	Qty.	Order No.
LPZP 1.27/90	100	1747490000

Ordering data

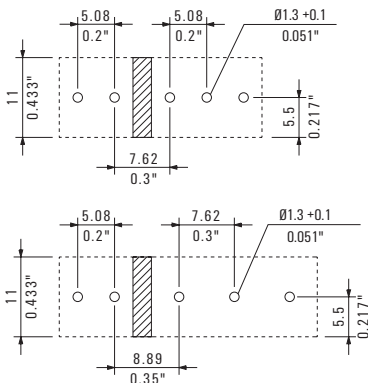
Colour	orange	black
Type	Qty.	Order No.
LPZP 2.54/90	100	1747480000

Ordering data

Colour	orange	black
Type	Qty.	Order No.
LPZP 2.54/135	100	1753740000

LPZP1N 2.54

Separator plates



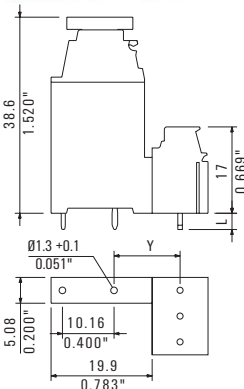
- For clear identification of phases in adjacent connections.
- Spacer plate for separating connections with different voltages and pitches.

Ordering data

Colour		orange	black
Type	Qty.	Order No.	Order No.
LPZP1N 2.54	100	1747470000	1747520000

LPA TR

Disconnect element



Technical data

	VDE	UL	CSA
Rated voltage	250 V	300 V	300 V
Rated current	9 A	10 A	10 A

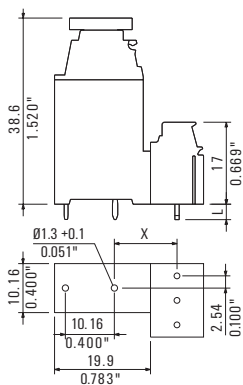
- Can be fixed to the rear of all LP 90 terminals.
- DEKAFIX markers not included.

Ordering data

Type	Y (mm)		Qty.	Order No.
	with LP	with LPP		
LPA TR	12,8	15,2	100	1495460000

LPA SI

Fuse element



Technical data

	VDE	UL	CSA
Rated voltage	250 V	300 V	300 V
Rated current	6,3 A	10 A	10 A

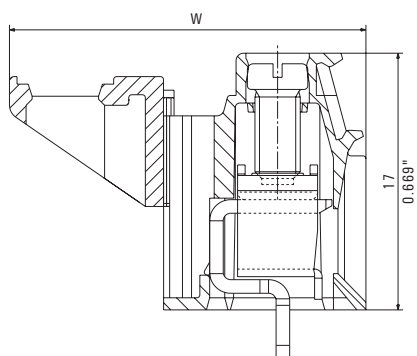
- Can be fixed to the rear of all LP 5.08/90 terminals.
- Takes 5 x 25 cartridge fuses (DIN 820, IEC 127-2).
- Power loss = 1.6 W
- DEKAFIX markers not included.

Ordering data

Type	Y (mm)		Qty.	Order No.
	with LP	with LPP		
LPA SI	12,8	15,2	50	1495060000

LPA BZ

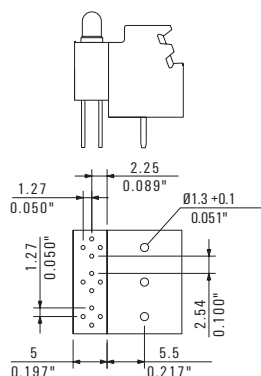
Marker carrier



- For better marking of the connection clamps of the LP series
- Simply fixed to the back of the terminal.
- The WS 10/5 and WS 12/5 markers are not included with the delivery. Refer to the chapter on Accessories: Labelling Cards
- LEDs not included.

LPA FA

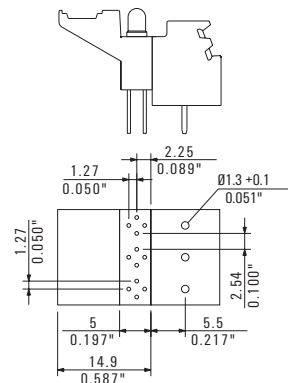
LED holder



- Holder for standard 3 mm LEDs.
- Raised mounting position improves visibility of LEDs.
- Simply fixed to the back of the terminal.
- LEDs not included.

LPA FA BZ

LED holder with marker carrier



- For additional marking and fixing of three LEDs.
- Simply fixed to the back of the terminal.
- The WS 10/5 and WS 12/5 markers are not included with the delivery. Refer to the chapter on Accessories: Labelling Cards
- LEDs not included.

Ordering data

Colour			black	
Pole	Width W		Qty.	Order No.
	with LP	with LPP		
2	LPA BZ2	21,2 23,6	100	1497260000
3	LPA BZ3	21,2 23,6	100	1497360000

Ordering data

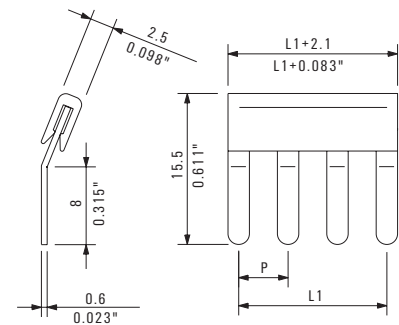
Colour		black
Pole	Qty.	Order No.
2 LPA FA 2	50	1495960000
3 LPA FA 3	50	1496060000

Ordering data

Colour			black
Pole		Qty.	Order No.
2	LPA FA BZ2	50	1496160000
3	LPA FA BZ3	50	1496260000

LPA QB

Cross-connector



- For distributing potential after installation.
- Reduces the feasible conductor diameter to the next smaller cross-section.
- Not suitable for use with tension clamp spring connection.

Ordering data

Pole	Pitch	Type	Qty.	Order No.
2	5,08 mm	LPA QB2	50	1472200000
3	5,08 mm	LPA QB3	50	1472300000
4	5,08 mm	LPA QB4	50	1472400000
10	5,08 mm	LPA QB10	20	1472500000
17	5,08 mm	LPA QB17	20	1584770000
24	5,08 mm	LPA QB24	20	1472600000

PS 2.0 MC

Test plug



Ø 2.0 mm

- For conductors up to 0.75 mm² (AWG 18).
- Gold-plated lantern-type contact.
- Conductor must be soldered to contact in test plug.

Ordering data

Type	Conductor size	Qty.	Order No.
PS 2.0 MC	≤ 0,75 mm ²	20	0310000000

Identification systems

KSW 4 / KSW 2.5

Marking strips



KSW marking strips are suitable for labelling multi-pole PCB terminals and connectors. The white, self-adhesive strips are made from a non-PVC, environmentally friendly material. These marking strips provide individual printing, i.e. are suitable for every pitch. Available in two widths: 2.5 and 4.0 mm.

Technical data

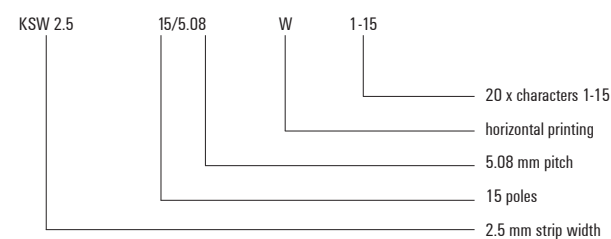
Material data	
Material	polyester with white surface
Adhesive	acrylic base
Temperature range	-40 °C to +150 °C
Min. bonding temperature	+4 °C
Flammability	self-extinguishing after 15 s

No. of marking strips per sheet

up to 20 poles = 20 strips per sheet
* more than 20 poles = 15 strips per sheet

Ordering example

Order No. 1630060001



Printed strips

KSW 4	Pitch			
	3.50 mm	5.00 mm	5.08 mm	7.62 mm
Char.	1630190001	1700670001	1630200001	1700680001
1-8	1630190001	1700670001	1630200001	1700680001
1-12	–	–	–	1652270001
1-16	1630150001	1700700001	1630160001	–
1-24*	1640410001	1700710001	1630180001	–

KSW 2.5	Pitch			
	3.50 mm	5.00 mm	5.08 mm	7.62 mm
Char.	1652260001	1630070001	1713970001	–
1-8	–	1700660001	1630100001	–
1-12	–	–	–	–
1-16	1652260001	1630070001	1713970001	–
1-24*	1652250001	1713980001	1713990001	–

Blank strips

	Length of strip		
	50 mm	100 mm	150 mm
KSW 4	1629970000	1629990000	1630010000
KSW 2.5	1629960000	1629980000	1630000000

Custom printing to specification

	Length of strip		
	50 mm	100 mm	150 mm
KSW 4	1629910000	1629930000	1629950000
KSW 2.5	1629900000	1629920000	1629940000

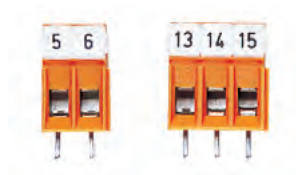
Direct printing



We can also print directly on your plug and socket connectors to your specification. Please ask for details.

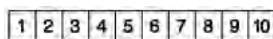
DEK 5

Dekafix system

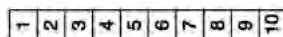


Dekafix is supplied in packs of 10 cards with 50 individual tags per card.

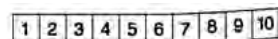
Dekafix tags are white with black printing as standard.



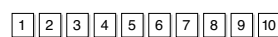
Horizontal printing



Vertical printing



Mounted as strip



Mounted singly

Technical data

Material data	
Material	polyamide
Temperature range	- 40 °C to +100 °C
Flammability rating	UL 94 V-2
Contents	silicone-free, halogens below minimum detectable level self-extinguishing after 15 s
Mounting	as strips or singly depending on type of carrier
Printing	black printing, standard or to customer specification
Smudge resistance	to DIN IEC 50
Custom printing	according to list or data exchange by diskette or modem
Colour	to international colour code
Max. characters DEK 5	3 horizontal/3 vertical up to 2.5 mm font size

Custom printing to specification

Colour	Order No.	Colour	Order No.	Colour	Order No.	Qty. 500
(Note: please state colour when ordering.)						
○ white	1609810000	● yellow	1609810000	● violet	1609810000	
● black	1609810000	● green	1609810000	● grey	1609810000	
● red	1609810000	● blue	1609810000	● orange	1609810000	

Blank

Colour	Order No.	Colour	Order No.	Colour	Order No.	Qty. 500
● black	1457550000	● yellow	1609801687	● violet	1249860000	
● red	1609801686	● green	1609801688	● grey	1609801691	
● orange	1238340000	● blue	1609801693	○ white	0473360000	

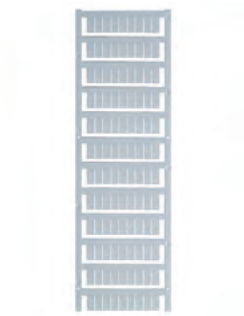
Printed tags

(horizontal only)	Character	Order No.	Character	Horizontal	Vertical
Tags with individual letters	A	0522761021	50 consecutive numbers	1 ... 50	0473560001
	B	0522761022		51 ... 100	0473560051
	C	0522761023		to The last 3 digits of the order No. indicate the first character.	
	D	0522761024		951 ... 999	0473560951
	E	0522761025	10 consecutive numbers	1 ... 10	0523060001
	F	0522761026		11 ... 20	0523060011
	G	0522761027		to The last 3 digits of the order No. indicate the first character.	
	H	0522761028		91 ... 100	0523060091
	I	0522761029	Individual numbers	1	0522660001
	J	0522761030		2	0522660002
	K	0522761031		bis The last 3 digits of the order No. indicate the first character.	
	L	0522761032		200	0522660200
	M	0522761033	Various symbols	L1, L2, L3, N, PE	0354361187
	N	0522761034			
	O	0522761035			
	P	0522761036	Single symbols	plus +	0576261198
	Q	0522761037		minus -	0576261199
	R	0522761038		PE	-
	S	0522761039		L1	0522361075
	T	0522761040		L2	0522361076
	U	0522761041		L3	0522361077
	V	0522761042		earth	0576261202
	W	0522761043		earth in circle	0576261203
	X	0522761044		AC ~	0576261215
	Y	0522761045	Individual card (state characters and orientation when ordering)		1609810000
	Z	0522761046	Coloured blank Dekafix (state colour when ordering)		1609801044
			Coloured printed Dekafix = custom printing (state colour and characters when ordering)		0490790000
					0490790000

Identification systems

WS 10/5
WS 12/5

MultiCard marking



S 10

Marker strips



- WS 10/5 = 10 mm long x 5 mm wide
- WS 12/5 = 12 mm long x 5 mm wide
- Supplied as MultiCard 5 cards each with 144 markers

- Markers for TOP 4 terminals
- Supplied in packs of 100 strips with 10 markers per strip

Ordering data

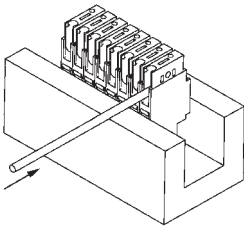
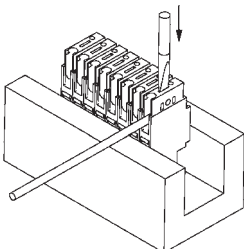
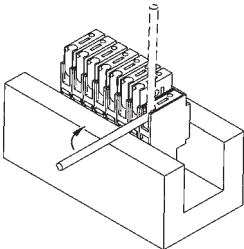
Type	Length mm	Order No.
WS 10/5	10	1635000000
WS 12/5	12	1609860000

Ordering data

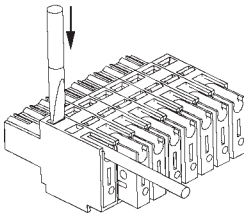
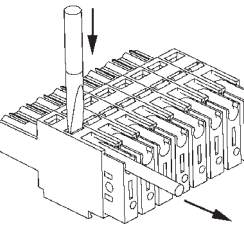
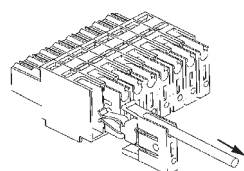
Printing	Qty.	Order No.
10 consecutive numbers (SF10)	0 ... 9	0332400000
	1 ... 10	0331500001
	11 ... 20	0331500011
Individual numbers (SF 10)	1	0332500001
	2	0332500002
	3	0332500003
	4	0332500004
	5	0332500005
	6	0332500006
	7	0332500007
	8	0332500008
	9	0332500009
Blank		0332500000
Custom printing on request*		

* A minimum order quantity can be agreed for custom printing.

BLIDC B 3.5 ASB**IDC assembly block****Wiring the module**

1.  Insert conductor as far as possible.
2.  Insert screwdriver into centre opening and press down.
3.  Module is engaged and conductor is now connected.

Detaching the module

1.  Insert screwdriver into first opening and press down.
2.  Insert screwdriver into second opening and press down.
3.  Module is now disengaged and can be pulled out.

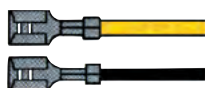
Ordering data

Type	Qty.	Order No.
BLIDCB 3.5	1	1770310000

Crimping tools

HTF 28 HTF 63

Crimping tools



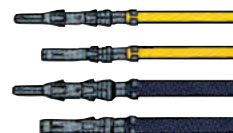
HTF DFF

Crimping tools



HTF RSV 12 HTF RSV 16

Crimping tools



- Precision crimping tool with ratchet for 2.80 and 6.30 mm spade connections with open or rolled terminals
- HTF 28 for flexible conductors 0.10-1.00 mm² (AWG 26-16)
- HTF 63 for flexible conductors 0.50-2.50 mm² (AWG 20-14)

- Precision crimping tool with ratchet for the Weidmüller DFFC crimp contacts of BLC and BLAC socket connectors
- 0.22-0.35 mm² (AWG 24-22)
- 0.50-1.00 mm² (AWG 20-17)
- 1.50-2.50 mm² (AWG 16-12)

- Precision crimping tool with ratchet for the Weidmüller CB and CS crimp contacts of RSV 1.6 plug-in connectors
- RSV 16 = 0.14 - 1.50 mm² (AWG 26-16)
- RSV 12 = 1.50 - 2.50 mm² (AWG 14-12)

Ordering data

Type	Crimp size mm/inch	Cross-section mm ² /AWG	Order No.
HTF 28	2,8/0,110	0,14-1,5/26-16	9013090000
HTF 63	6,3/0,250	0,50-2,5/20-14	9013400000

Ordering data

Type	Cross-section mm ² /AWG	Order No.
HTF DFF	0,22-2,5/24-12	9014140000

Ordering data

Type	Cross-section mm ² /AWG	Order No.
HTF RSV 16	0,14-1,5/26-16	9013560000
HTF RSV 12	1,50-2,5/14-12	9013550000

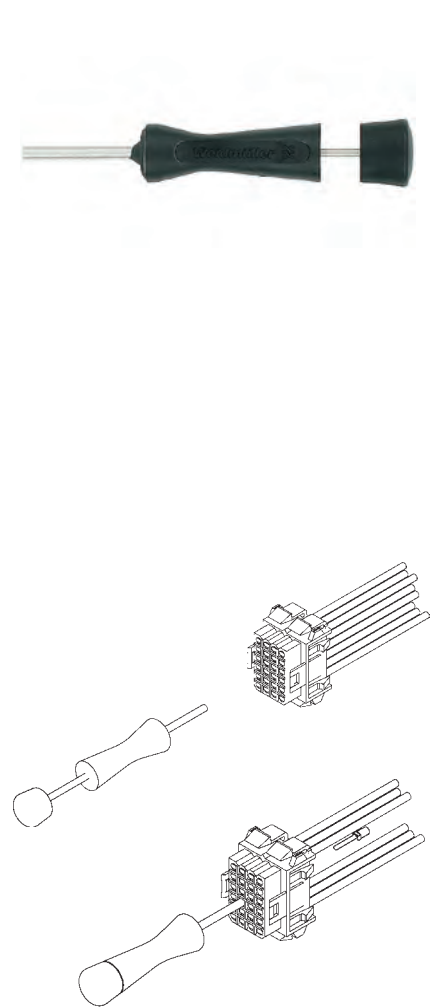
DFFC EW2

Disengaging tool



DW RSV

Disengaging tool



Ordering data

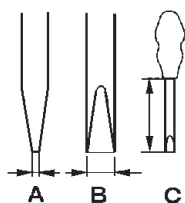
Type	Qty.	Order No.
DFFC EW2	1	1803790000

Ordering data

Type	Qty.	Order No.
DW RSV 1.6	1	9004530000

SDI

VDE-insulated slotted screwdriver



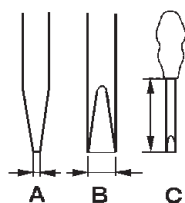
VDE-insulated slotted screwdriver, SDI

- DIN 7437, ISO 2380/2
- Output acc. to DIN 5264, ISO 2380/1
- SoftFinish® handle



SD

Slotted screwdriver with round blade



Slotted screwdriver with round blade, SD

- DIN 5265, ISO 2380/2
- Output acc. to DIN 5264, ISO 2380/1
- ChromTop tip
- SoftFinish® handle



SDK PH

Crosshead screwdriver



Crosshead screwdriver PH (Philips)

- SDK PH DIN 5262, ISO 8764/2-PH
- Output acc. to ISO 8764-PH
- ChromTop tip
- SoftFinish® handle



Crosshead screwdriver PZ (Pozidrive)

- SDK PZ DIN 5262, ISO 8764/2-PZ
- Output acc. to ISO 8764-PZ
- ChromTop tip
- SoftFinish® handle



Ordering data

Type	Dims. (mm)	A	B	C	Order No.
SDI	0,4	2,5	75		9008370000
SDI	0,5	3,0	100		9008380000
SDI	0,6	3,5	100		9008390000
SDI	0,8	4,0	100		9008400000
SDI	1,0	4,5	125		9008910000
SDI	1,0	5,5	125		9008410000
SDI	1,2	6,5	150		9008420000
SDI	1,6	8,0	175		9008430000

Ordering data

Type	Dims. (mm)	A	B	C	Order No.
SD	0,4	2,5	75		9009030000
SD	0,5	3,0	80		9008320000
SD	0,6	3,5	100		9008330000
SD	0,8	4,0	100		9008340000
SD	0,8	4,5	125		9009020000
SD	1,0	5,5	150		9008350000
SD	1,2	6,5	150		9009010000

Ordering data PH

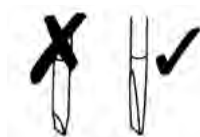
Type	Dims. (mm)	A	B	C	Order No.
SDK PH0	0		60		9008470000
SDK PH1	1		80		9008480000
SDK PH2	2		100		9008490000
SDK PH3	3		150		9008500000

Ordering data PZ

Type	Dims. (mm)	A	B	C	Order No.
SDK PZ1	1		80		9008530000
SDK PZ2	2		100		9008540000
SDK PZ3	3		150		9008550000

Tension clamp terminal tool

Tool for PCB terminals with tension clamp connection



SD 0,6 x 3,5 x 100
(DIN 5264-A)

You do not need any special tool to connect or disconnect our tension clamp connection.

The opening is designed to accommodate a standard 0,6 x 3,5 x 100 screwdriver 9008330000 to DIN 5264-A (with flat blade).