

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		
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		Product selection	E.22
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	Connectors in 5.08 mm pitch		
	Series BL/SL 5.08		
		Explanation	E.2
		Quick selection	E.16
		Product selection	E.50
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Male header SL-SMT 5.0x HC and SL-SMarT 5.0x HC

The connecting element in the reflow process

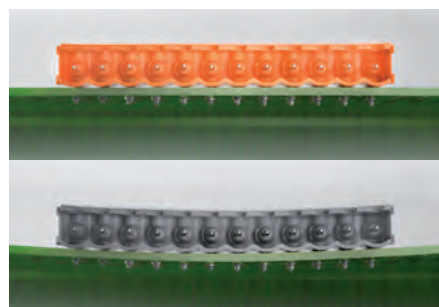
Optimised for SMT (Surface Mount Technology)

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.



OMNIMATE Signal PCB connectors in 5.00 mm and 5.08 mm pitch

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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.



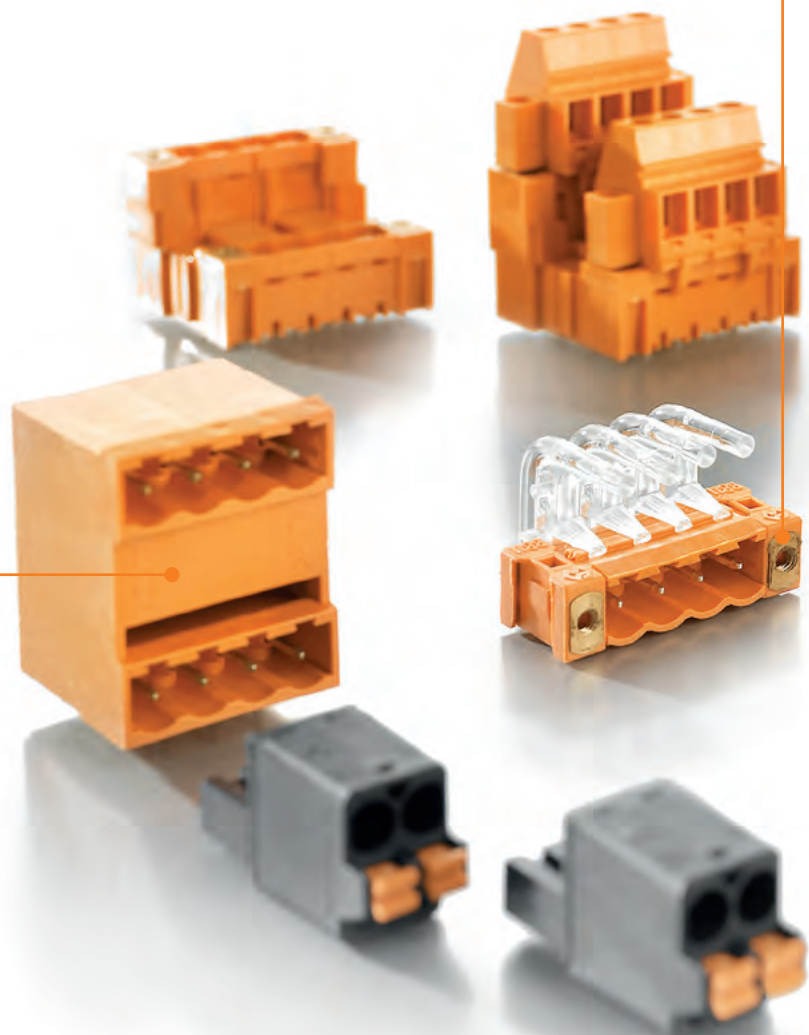
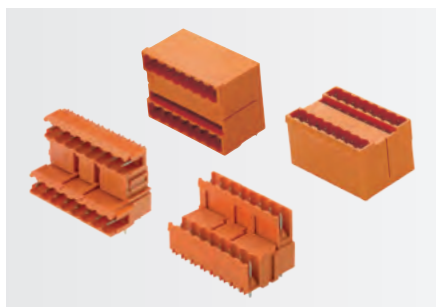
Male header SL 5.00 / SL 5.08 HC

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.

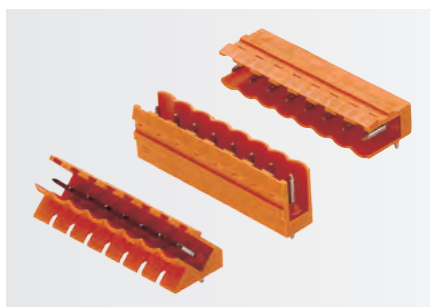
Increased density for device connections:

You can maximise connection density by using double level male headers together with your choice of connection systems on the field side.



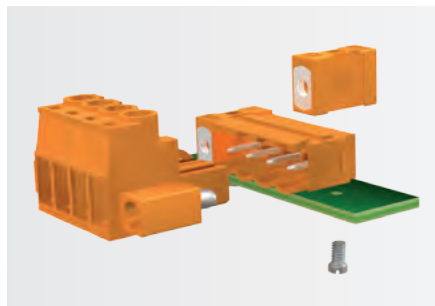
Three outlet directions:

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.



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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.



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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.



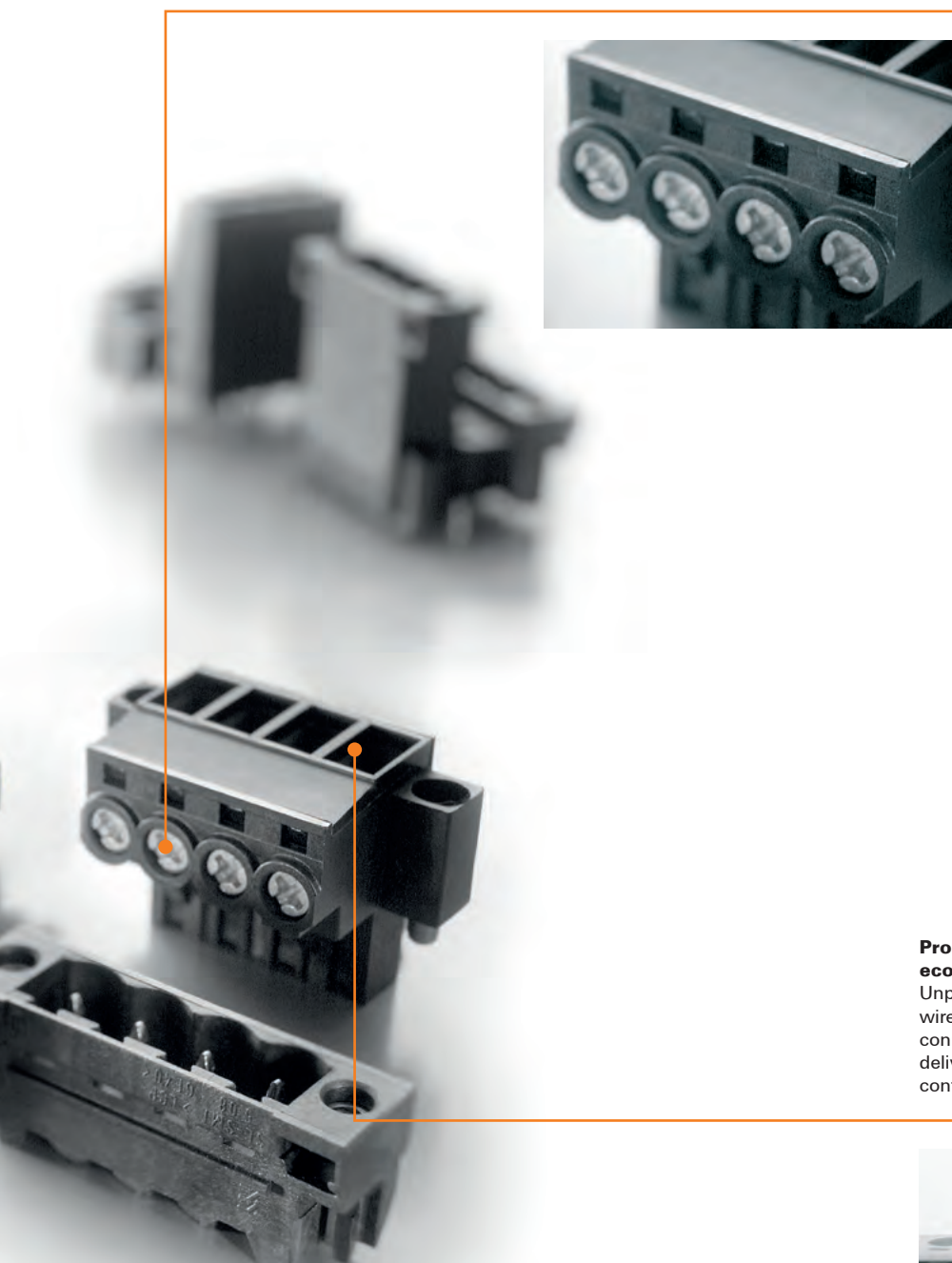
Safe connection – error-free wiring

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

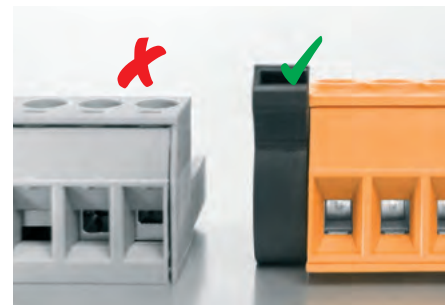


Process-compatible by default – economical processing

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

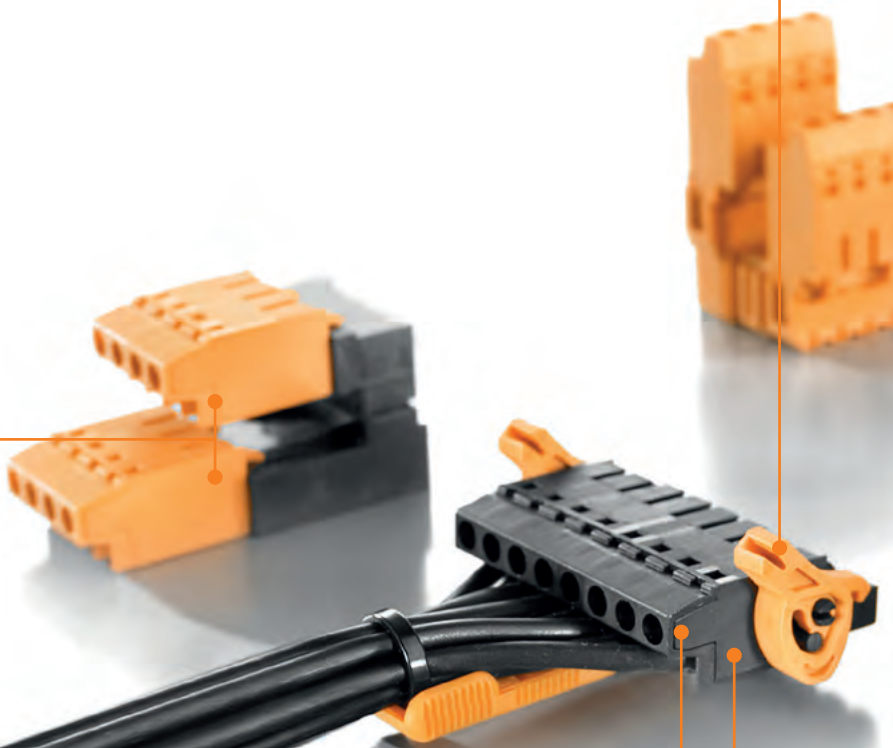
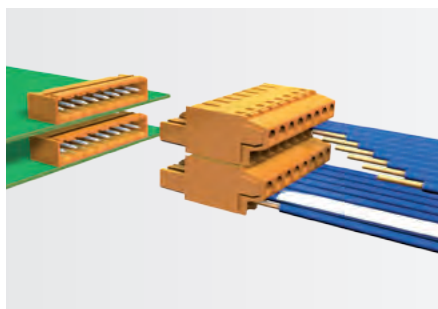
The BLT range is the most compact TOP connection of its type available in 5.08 mm pitch. This greatly simplifies device design because the cable entry and screw are located in the same plane of the plug-in connector. With the wire connection parallel to the circuit board, the BLT is specialised for use in limited installation spaces and high packing densities. HC represents additional performance.



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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.



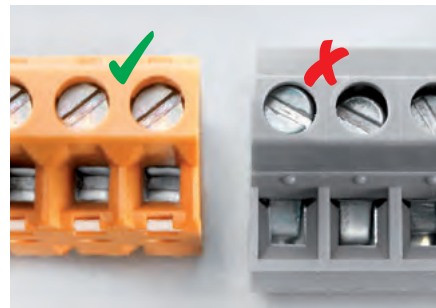
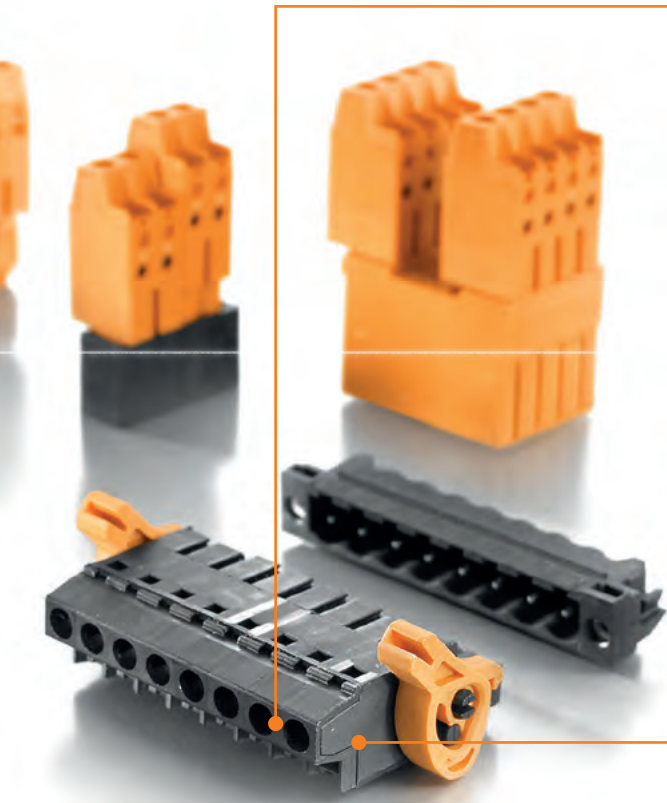
Secure interlock and simple release

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.



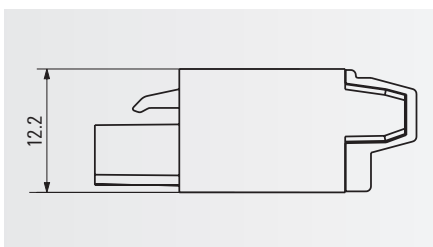
Safe to use with no-fault wiring:

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

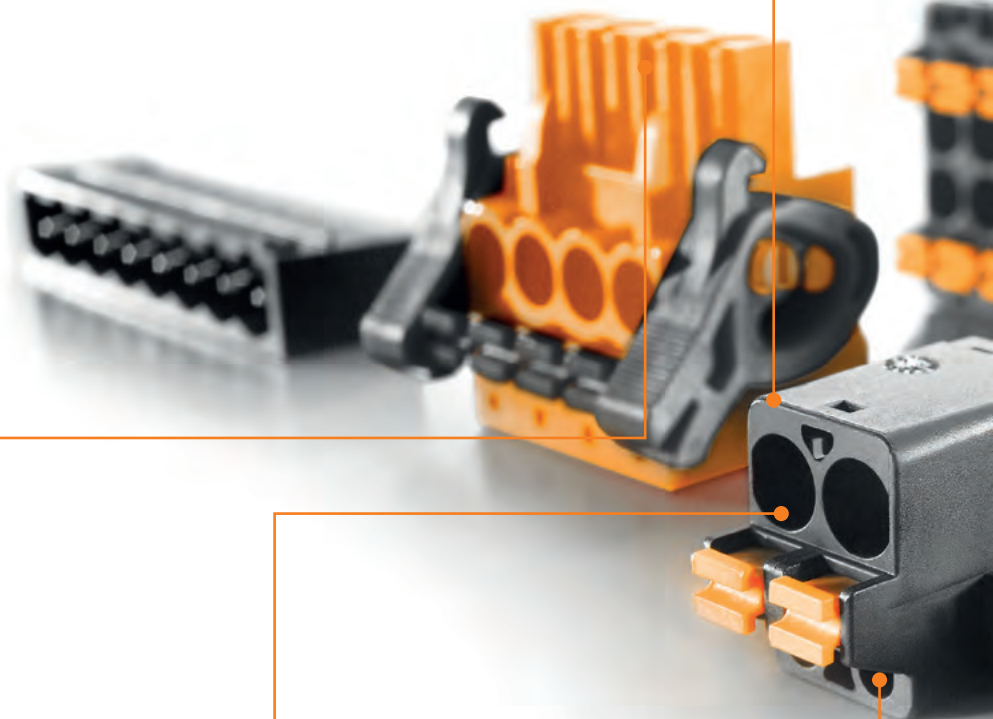


The quick "PUSH IN" connection is now also available in pitches of 5.00 mm and 5.08 mm. The products are simple, safe and can be used in a variety of applications: The plugs are available for all wire outlet directions (90°, 180° and 270°) and also as a double connector with integrated cross-connection 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.

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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.



Can be tested at any time

Simplified functional testing using easily accessible diagnostic test points.



All-purpose usage

Very large clamping range from 0.2 mm² to 2.5 mm² – even when using ferrules with plastic collars.



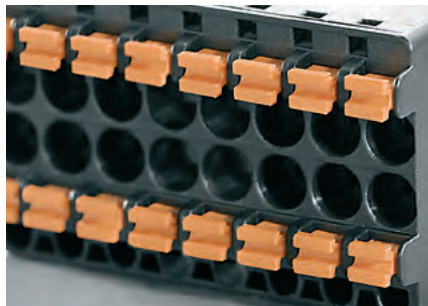
Safe to operate

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.

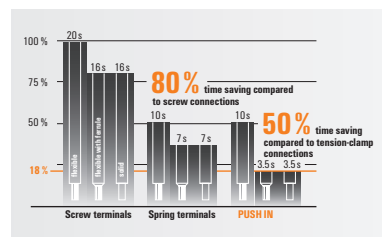


All-round safety

A stainless steel cage enclosure prevents subsidence in the contact area. To prevent any drop in clamping force plastic parts were deliberately not used.

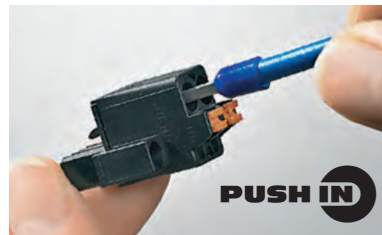


Directly plugged in



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.



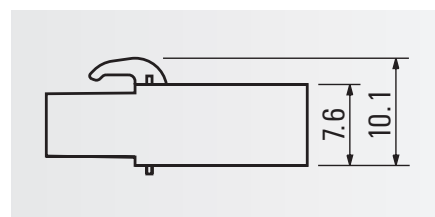
Female plug BLC 5.08

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

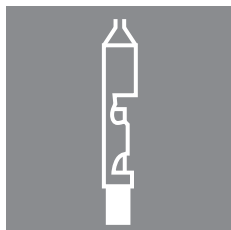
With a height of only 12.2 mm, the BLT is currently the smallest TOP connection available.



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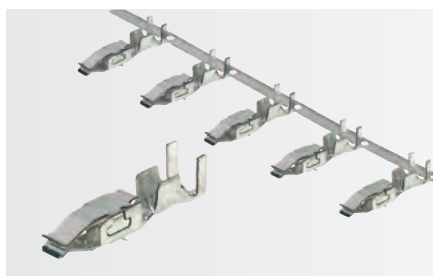
Effective and cost-effective

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.



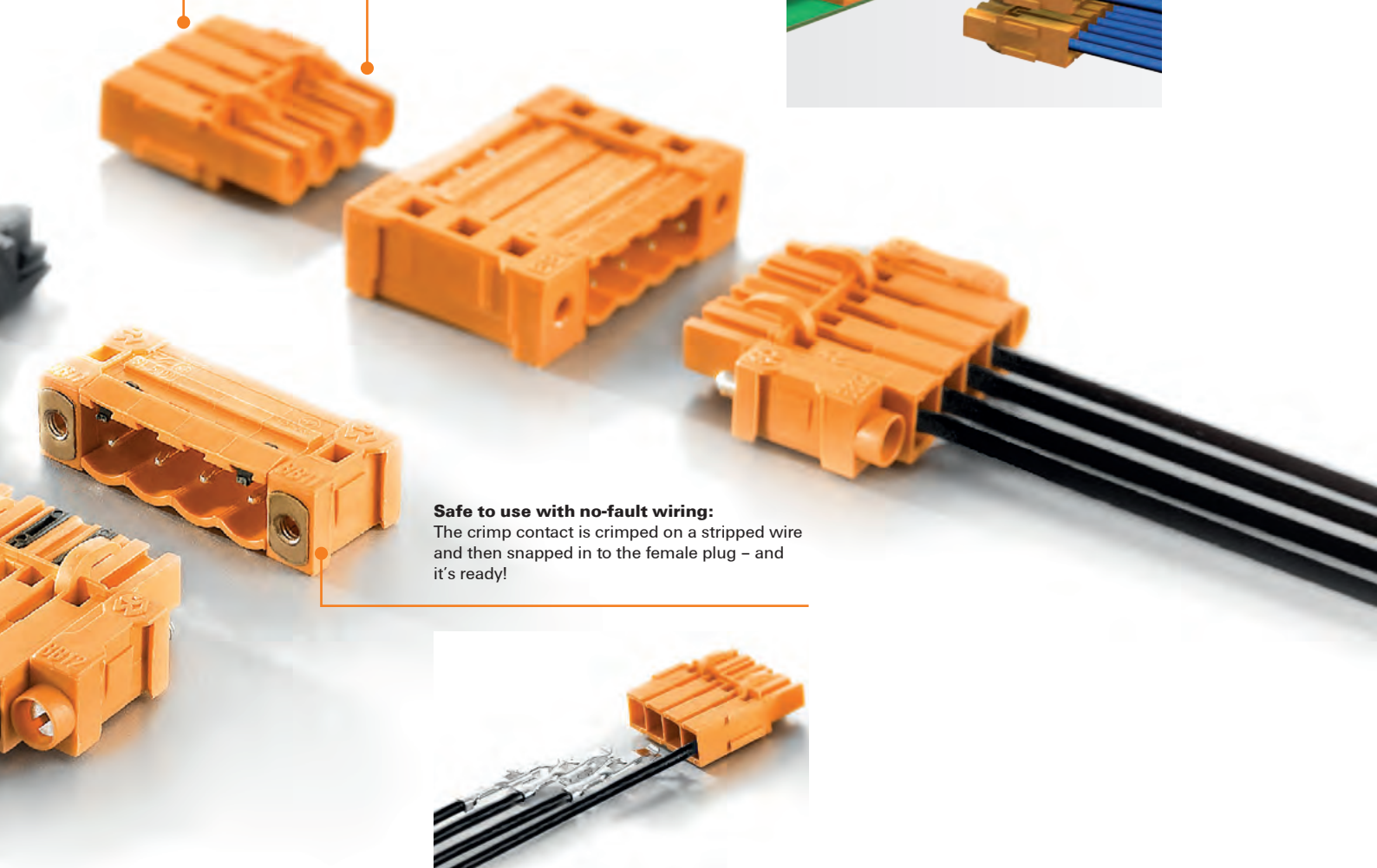
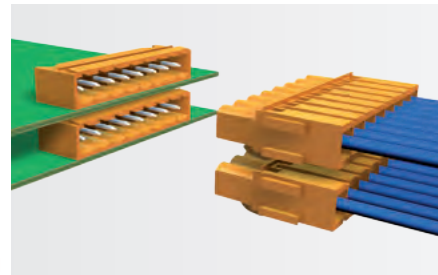
Flexible for a variety of applications

Affordable machine crimping or with hand tools in the field.



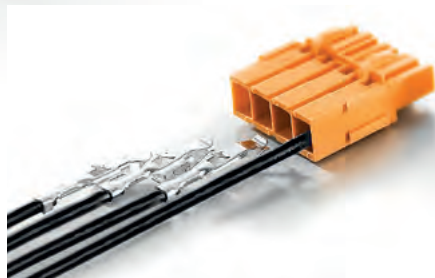
High component density

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.







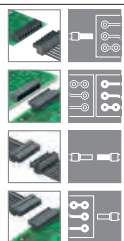
Safe to use with no-fault wiring:

The crimp contact is crimped on a stripped wire and then snapped in to the female plug – and it's ready!

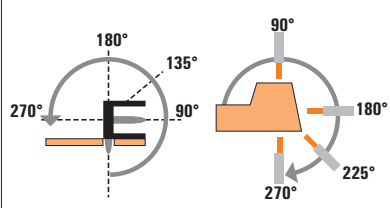


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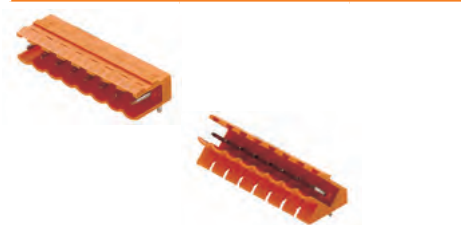
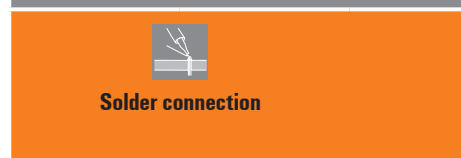
-  = Wire-to-Board
-  = Board-to-Board
-  = Wire-to-Wire
-  = Board-to-Wire



Orientation



Male header


















BL/SL 5.00 series



E

Type	Levels	
	1	
	SL	SL
	Orientation	90°
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	Image	Type	Orientation	IEC / UL	Page	Levels	
							SL	SL
			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

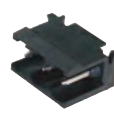
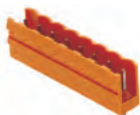
Male header



Solder connection



Reflow solder connection

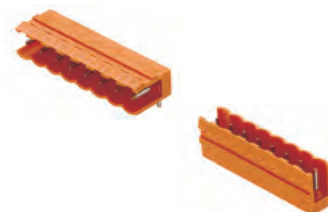
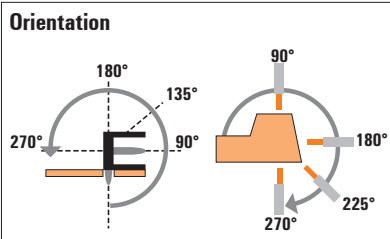
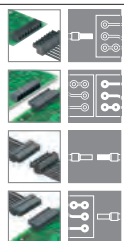


1		2		1		1		2
SL	SLD	SLD	SLD	SL-SMT HC	SL-SMT HC	SL-SMaT HC	SL-SMaT HC	SLDV-THR
180°	90°	180°	180°	90°	180°	90°	180°	180°
(0)/B	G	G	G	(0)/G/LF	(0)/G/LF	(0)	(0)	G/GLF/F/FLF
IEC: 400 V/18 A UL: 300 V/15 A	IEC: 400 V/11 A UL: 300 V/10 A	IEC: 400 V/11 A UL: 300 V/10 A	IEC: 400 V/11 A UL: 300 V/10 A	IEC: 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
E.34	E.38	E.39	E.39	E.22	E.26	E.66	E.67	E.30
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- = Wire-to-Board
- = Board-to-Board
- = Wire-to-Wire
- = Board-to-Wire



BL/SL 5.08 series, Part 1 of 3



Type	Levels	
	1	
	SL HC	SL HC
	90°	180°
Orientation	(0)/G/B/F/LF	(0)/G/B/F/LF
Flange options		
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

	Image	Type	Orientation	Flange options	IEC / UL	Page	Levels	
							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	○	○
	Clamping yoke (twin connector)	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	○	○
		BLDT	180°	(G)	IEC: 400 V/14 A/0.2 - 2.5 mm ² UL: 300 V/10 A/AWG 26 - 12	E.122	○	○
	Female header	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
	○	○	○	○	○	○	○
			○	○	○	○	○
					○	○	○
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	○	○	○	○	○	○	○
					○	○	○
					○	○	○
	●	●	●	●	●	●	●
	●	●	●	●	●	●	●

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

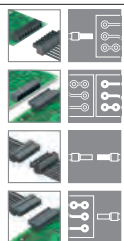
DF = Implementation

HC = High current

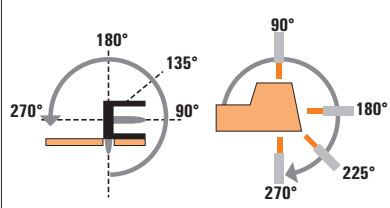
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-  = Wire-to-Board
-  = Board-to-Board
-  = Wire-to-Wire
-  = Board-to-Wire



Orientation



Male header



Reflow solder connection



BL/SL 5.08 series Part 2 of 3



E

Type	Levels	
	1	
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

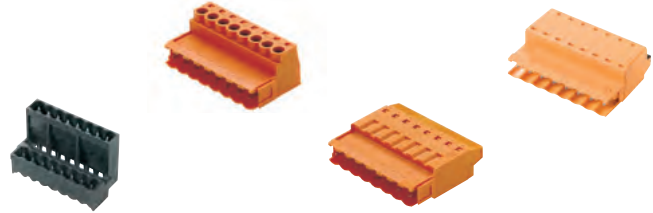
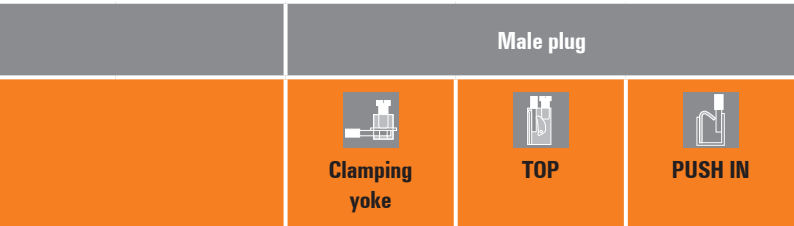
	Image	Type	Orientation	Options	IEC / UL	Page	Levels	
							1	
Female plug	Clamping yoke	BLZP HC	180°	(G)/F/LR	IEC: 400 V/19 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	E.104	○	○
		BLZP HC	90°	(G)/F/LR	IEC: 400 V/15.5 A/0.2 - 4 mm ² UL: 300 V/10 A/AWG 26 - 12	E.106	○	○
		BLZP HC	270°	(G)/F/LR	IEC: 400 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	○	○
	Clamping yoke (twin connector)	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	○	○
BLDT		180°	(G)	IEC: 400 V/14 A/0.2 - 2.5 mm ² UL: 300 V/10 A/AWG 26 - 12	E.122	○	○	
Female header	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



	2	1		1
	SLDV-THR	SLS	SLT	SLF
	180°	180°	180°	180°
	G/FLF	(0)/B/F/FI/DF	B/F/FI/DF	(0)/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:

- (0)* = open
- B = Dovetail for fixing blocks with a nut
- G = closed

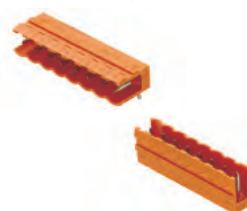
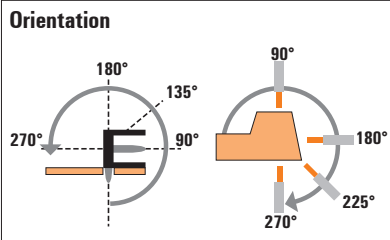
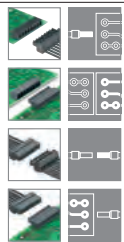
- F = Screw flange with nut
- LF = Solder flange with nut
- DF = Implementation

* 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



E

Type	Levels	
	1	
Orientation	90°	180°
Flange options	(0)/G/B/F/LF	(0)/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

	Image	Type	Orientation	Flange options	IEC / UL	Page	Levels	
							1	
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			
 <p>Solder connection</p>				 <p>Reflow solder connection</p>				 <p>PUSH IN</p>			



	2				1			1		2	1
	SLD	SLD	SLDV	SLDV	SL-SMT HC	SL-SMT HC	SL-SMT HC	SL-SMaT HC	SL-SMaT 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

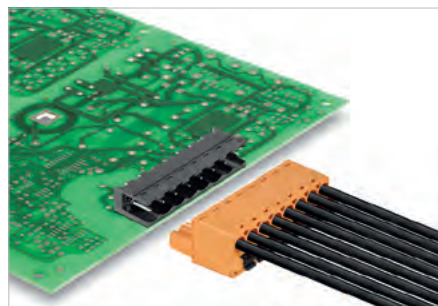
- F = Screw flange with nut
- LF = Solder flange with nut
- FLF = Flange with nut and additional solder flange

- 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.

Product data

IEC: 400 V / 19 A
UL: 300 V / 15 A



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

Note:

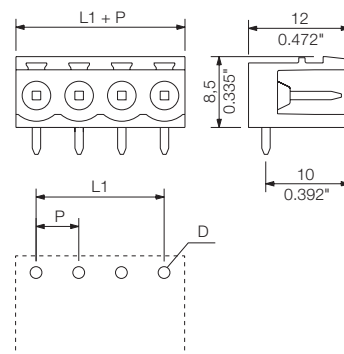
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Diameter of solder eyelet $D = 1.5 \pm 0.1$ mm from 9-pole
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.00HC/./90 Box

Packaged in box






Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
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	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	

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

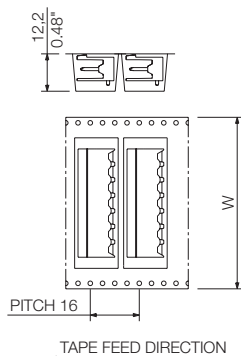
Solder pin length	1.5 mm		3.2 mm		
	Black	Black	Black	Black	
Pitch	5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	100	1796930000	1839890000
3	10.00	0.394	100	1796940000	1839900000
4	15.00	0.591	100	1796950000	1839910000
5	20.00	0.787	50	1796960000	1839920000
6	25.00	0.984	50	1796970000	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	350	1797620000
3	10.00	350	1797630000
4	15.00	350	1797640000
5	20.00	350	1797650000
6	25.00	350	1797660000
7	30.00	350	1797670000
8	35.00	350	1797680000

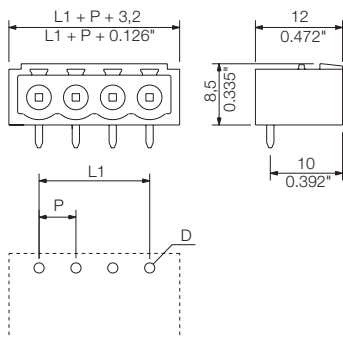
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.00HC../90G Box

Packaged in box



Dimensioned drawing



Ordering data

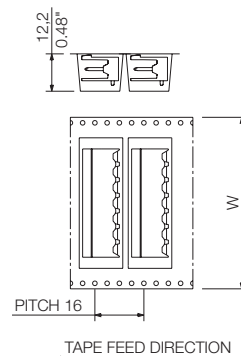
Solder pin length		1.5 mm		3.2 mm	
Colour		Black		Black	
Pitch		5.00 mm			
Pol.	L1 (inch)	Qty.	Order No.	Order No.	Order No.
2	5.00	100	1797080000	1840120000	
3	10.00	100	1797090000	1840130000	
4	15.00	100	1797100000	1840140000	
5	20.00	50	1797110000	1840150000	
6	25.00	50	1797120000	1840160000	
7	30.00	50	1797130000	1840170000	
8	35.00	50	1797140000	1840180000	
9	40.00	50	1797150000	1840190000	
10	45.00	50	1797160000	1840200000	
11	50.00	50	1797170000	1840210000	
12	55.00	50	1797180000	1840220000	
13	60.00	50	1797190000	1840230000	
14	65.00	50	1797200000	1840240000	
15	70.00	50	1797210000	1840250000	
16	75.00	50	1797220000	1840260000	
17	80.00	20		1840270000	
18	85.00	20		1840280000	
19	90.00	20		1840290000	
20	95.00	20		1840300000	
21	100.00	20		1840310000	
22	105.00	20		1840320000	
23	110.00	20		1840330000	
24	115.00	20		1840340000	

SL-SMT 5.00HC../90G Tape

Tape-on-reel



Dimensioned drawing



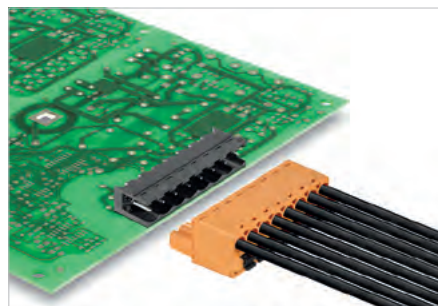
Ordering data

Solder pin length		1.5 mm	
Colour		Black	
Pitch		5.00 mm	
Pol.	L1 (inch)	Qty.	Order No.
2	5.00	350	1797690000
3	10.00	350	1797700000
4	15.00	350	1797710000
5	20.00	350	1797720000
6	25.00	350	1797730000
7	30.00	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.

Product data

IEC: 400 V / 19 A
UL: 300 V / 15 A



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

Note:

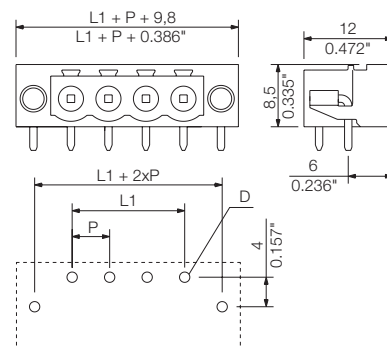
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.00HC/./90LF Box

Packaged in box; with solder flange



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
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	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	

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

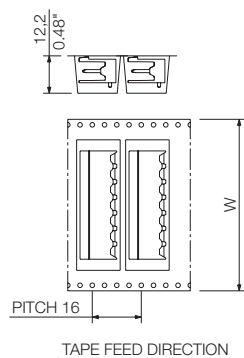
Solder pin length	1.5 mm		3.2 mm		
	Black	Black	Black	Black	
Pitch	5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	100	1797230000	1840350000
3	10.00	0.394	100	1797240000	1840360000
4	15.00	0.591	100	1797250000	1840370000
5	20.00	0.787	50	1797260000	1840380000
6	25.00	0.984	50	1797270000	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

SL-SMT 5.00HC/./90LF 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.



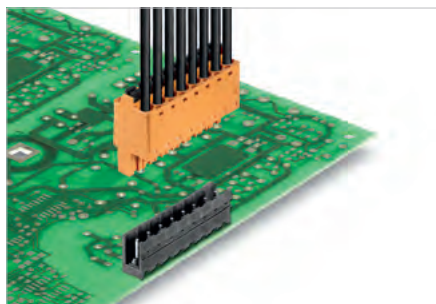
Ordering data

Solder pin length		1.5 mm		
Colour		Black		
Pitch		5.00 mm		
Pol.	L1	(inch)	Qty.	Order No.
2	5.00	0.197	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

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.

Product data

IEC: 400 V / 19 A
UL: 300 V / 15 A



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

Note:

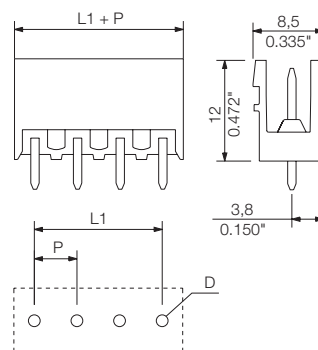
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Diameter of solder eyelet $D = 1.5 \pm 0.1$ mm from 9-pole
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.00HC../180 Box

Packaged in box



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
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	19	16
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	320 400
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	

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

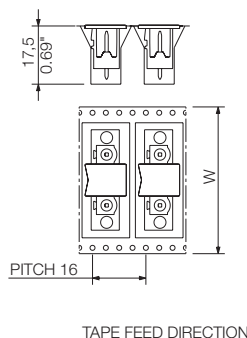
Solder pin length	1.5 mm		3.2 mm		
	Black		Black		
Pitch 5.00 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	100	1796480000	1840920000
3	10.00	0.394	100	1796490000	1840930000
4	15.00	0.591	100	1796500000	1840940000
5	20.00	0.787	50	1796510000	1840950000
6	25.00	0.984	50	1796520000	1840960000
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	

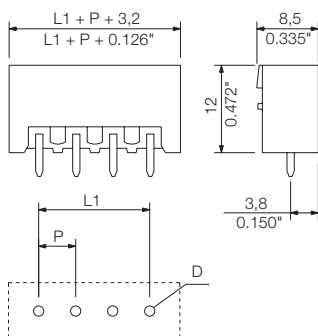
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.00HC../180G Box

Packaged in box



Dimensioned drawing



Ordering data

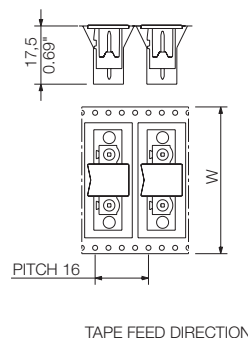
Solder pin length		1.5 mm		3.2 mm	
Colour		Black		Black	
Pitch		5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	100	1796630000	1841160000
3	10.00	0.394	100	1796640000	1841170000
4	15.00	0.591	100	1796650000	1841180000
5	20.00	0.787	50	1796660000	1841190000
6	25.00	0.984	50	1796670000	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

SL-SMT 5.00HC../180G Tape

Tape-on-reel



Dimensioned drawing



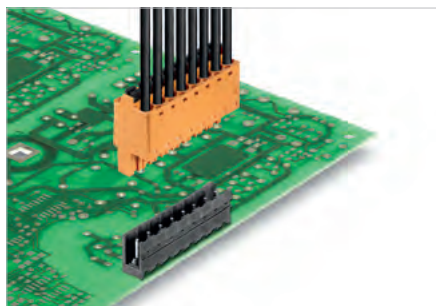
Ordering data

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	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	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	1.5	
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:

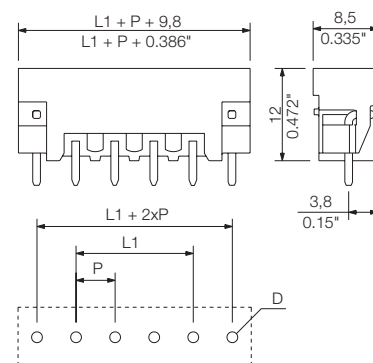
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.00HC/./180LF Box

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

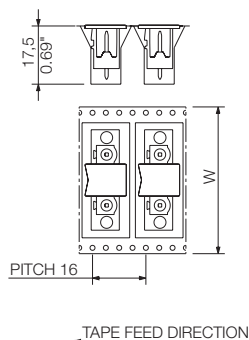
Solder pin length	1.5 mm		3.2 mm		
	Black	Black	Black	Black	
Pitch	5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	100	1796780000	1841390000
3	10.00	0.394	100	1796790000	1841400000
4	15.00	0.591	100	1796800000	1841410000
5	20.00	0.787	50	1796810000	1841420000
6	25.00	0.984	50	1796820000	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

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.



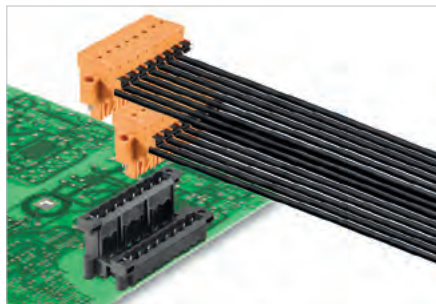
Ordering data

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	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	15	13
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	320 400
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.weidmuller.com

Note:

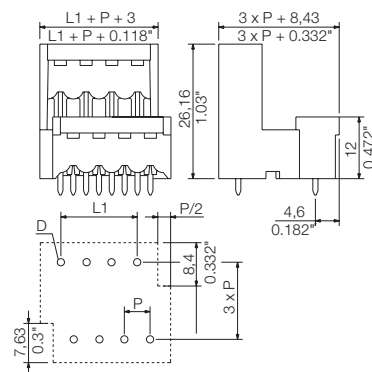
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SLDV-THR 5.00/./180G

without solder flange







Dimensioned drawing



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

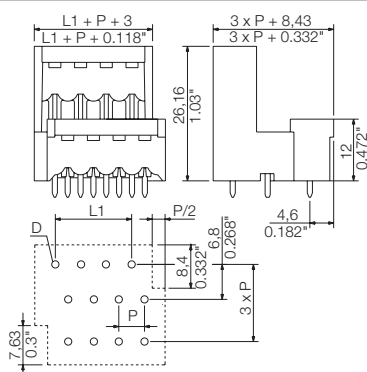
Solder pin length	1.5 mm		3.2 mm		
	Colour	Black	Black	Black	
Pitch 5.00 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
4	5.00	0.197	50	1894980000	1882690000
6	10.00	0.394	50	1894990000	1882700000
8	15.00	0.591	50	1895000000	1882370000
10	20.00	0.787	50	1895010000	1882710000
12	25.00	0.984	50	1895020000	1882720000
14	30.00	1.181	20	1895030000	1882730000
16	35.00	1.378	20	1895040000	1882380000
18	40.00	1.575	20	1895050000	1882740000
20	45.00	1.772	20	1895060000	1882390000
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	1882400000
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

SLDV-THR 5.00../180GLF

with solder flange



Dimensioned drawing



Ordering data

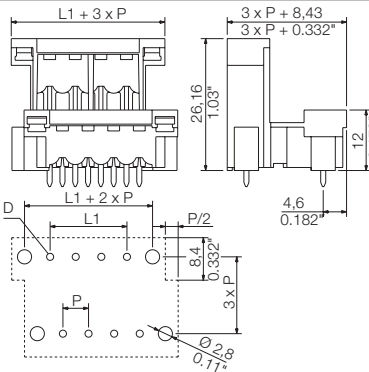
Solder pin length		1.5 mm	3.2 mm		
Colour		Black	Black		
Pitch 5.00 mm					
Pol.	L1 (inch)	Qty.	Order No.	Order No.	
4	5.00	0.197	50	1911750000	1911290000
6	10.00	0.394	50	1911760000	1911310000
8	15.00	0.591	50	1911770000	1911320000
10	20.00	0.787	50	1911780000	1911330000
12	25.00	0.984	50	1911790000	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

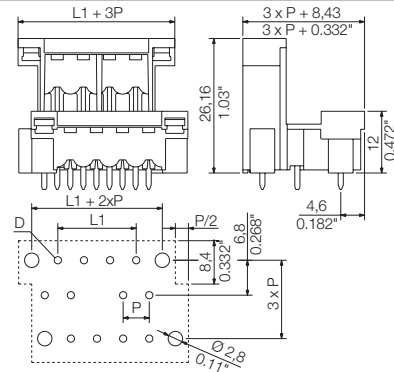
Solder pin length		1.5 mm	3.2 mm		
Colour		Black	Black		
Pitch 5.00 mm					
Pol.	L1 (inch)	Qty.	Order No.	Order No.	
4	5.00	0.197	50	1895230000	1882930000
6	10.00	0.394	50	1895240000	1882940000
8	15.00	0.591	50	1895250000	1882950000
10	20.00	0.787	50	1895260000	1882960000
12	25.00	0.984	50	1895270000	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	1881340000
22	50.00	1.969	10	1895320000	1883010000
24	55.00	2.165	10	1895330000	1881370000
26	60.00	2.362	10	1895340000	1883020000
28	65.00	2.559	10	1895350000	1881390000
30	70.00	2.756	10	1895360000	1883030000
32	75.00	2.953	10	1895370000	1881400000
34	80.00	3.150	10	1895380000	1881420000
36	85.00	3.346	10	1895390000	1881470000
38	90.00	3.543	10	1895400000	1883040000
40	95.00	3.740	10	1895410000	1881490000
42	100.00	3.937	10	1895420000	1883050000
44	105.00	4.134	10	1895430000	1883060000
46	110.00	4.331	10	1895440000	1883070000
48	115.00	4.528	10	1895450000	1883080000

SLDV-THR 5.00../180FLF

with solder flange



Dimensioned drawing

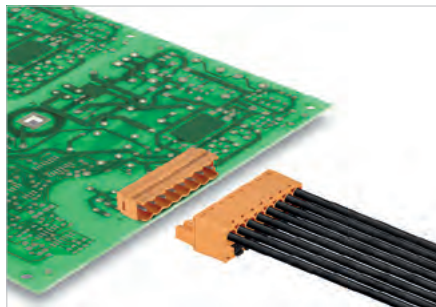


Ordering data

Solder pin length		1.5 mm	3.2 mm		
Colour		Black	Black		
Pitch 5.00 mm					
Pol.	L1 (inch)	Qty.	Order No.	Order No.	
4	5.00	0.197	50	1895460000	1883100000
6	10.00	0.394	50	1895470000	1883110000
8	15.00	0.591	50	1895480000	1883120000
10	20.00	0.787	50	1895490000	1883130000
12	25.00	0.984	50	1895500000	1883140000
14	30.00	1.181	20	1895510000	1883150000
16	35.00	1.378	20	1895520000	1883160000
18	40.00	1.575	20	1895530000	1883170000
20	45.00	1.772	20	1895540000	1883180000
22	50.00	1.969	10	1895550000	1883190000
24	55.00	2.165	10	1895560000	1883200000
26	60.00	2.362	10	1895570000	1883230000
28	65.00	2.559	10	1895580000	1883240000
30	70.00	2.756	10	1895590000	1883250000
32	75.00	2.953	10	1895600000	1883270000
34	80.00	3.150	10	1895610000	1883280000
36	85.00	3.346	10	1895620000	1883290000
38	90.00	3.543	10	1895630000	1883300000
40	95.00	3.740	10	1895640000	1883310000
42	100.00	3.937	10	1895650000	1883320000
44	105.00	4.134	10	1895660000	1883330000
46	110.00	4.331	10	1895670000	1883340000
48	115.00	4.528	10	1895680000	1883350000

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.

Product data

IEC: 400 V / 18 A
UL: 300 V / 15 A



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

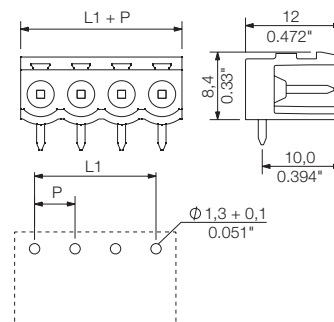
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- 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



Technical data

In compliance with IEC 60664-1 / IEC 61984			
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	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	

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

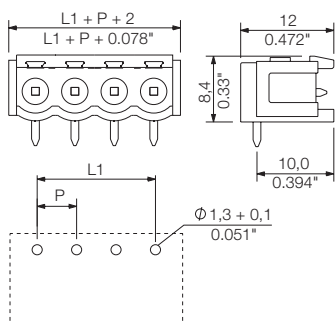
Ordering data

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

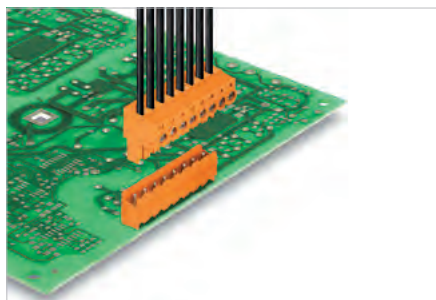


Ordering data

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.

Product data

IEC: 400 V / 18 A
UL: 300 V / 15 A

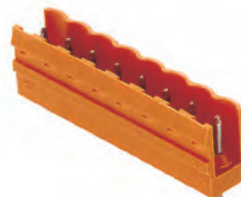


For additional articles and information, refer to catalog.weidmueller.com

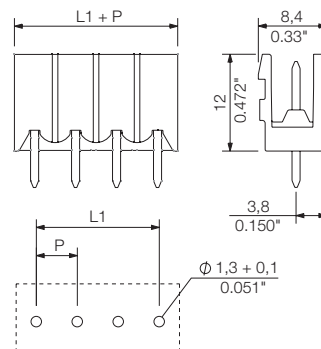
Note:

- 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



Technical data

In compliance with IEC 60664-1 / IEC 61984			
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	18	15
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	320 400
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	

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		
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

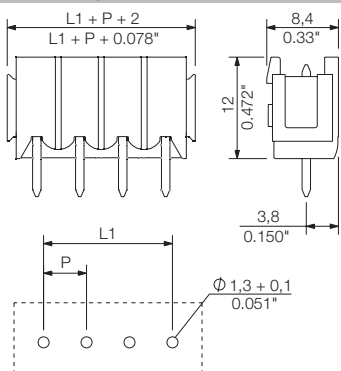
5.00

180°

SL 5.00/./180B



Dimensioned drawing

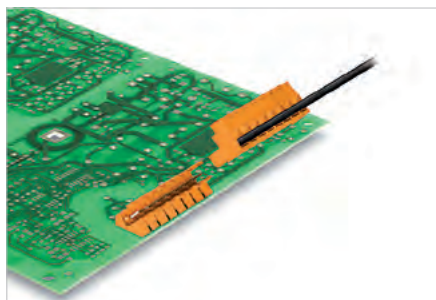


Ordering data

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.

Product data

IEC: 400 V / 17 A
UL: 300 V / 15 A



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

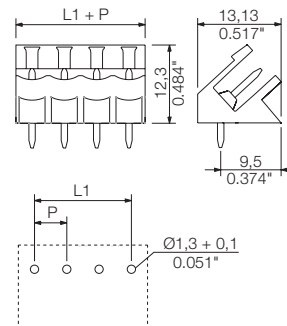
Note:

- 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



Technical data

In compliance with IEC 60664-1 / IEC 61984			
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	17	15
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	320 400
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	

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

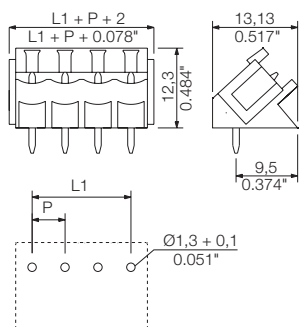
5.00

135°

SL 5.00/..../135B



Dimensioned drawing



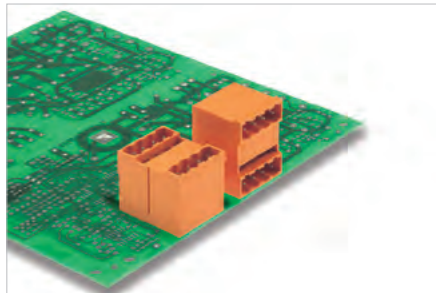
Ordering data

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.

Product data

IEC: 400 V / 11 A
UL: 300 V / 10 A



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

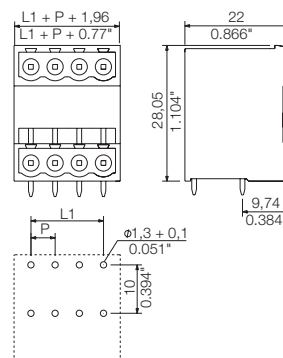
Note:

- 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



Technical data

In compliance with IEC 60664-1 / IEC 61984			
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	11	9.5
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	320 400
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	

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		3.2 mm		
Colour		Orange		
Pitch	5.00 mm			
Pol.	L1	(inch)	Qty.	Order No.
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

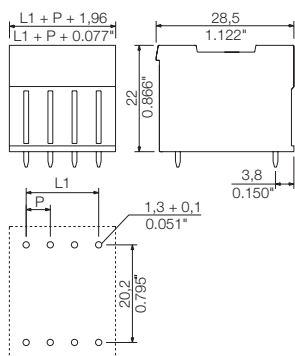
5.00

90°

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.

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

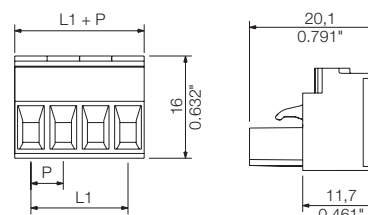
Note:

- 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



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm²	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		

Accessories

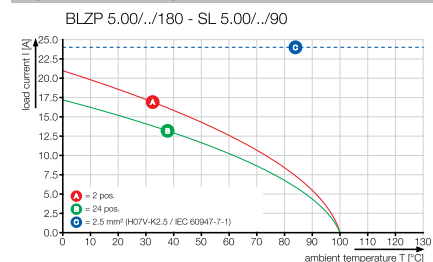
Note: Refer to the Accessories chapter for additional accessories.

Strain relief		Order No.
	BLZ 5.00 ZE04 OR BX	1652100000
	BLZ 5.00 ZE08 BK BX	1652060000
	BLZ 5.00 ZE08 OR BX	1652040000
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	5.00 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	1954340000	1955420000	
18	85.00	3.346	18	1954330000	1955410000	
19	90.00	3.543	18	1954320000	1955400000	
20	95.00	3.740	18	1954310000	1955390000	
21	100.00	3.937	18	1954300000	1955380000	
22	105.00	4.134	18	1954290000	1955370000	
23	110.00	4.331	18	1954280000	1955360000	
24	115.00	4.528	18	1954270000	1955350000	

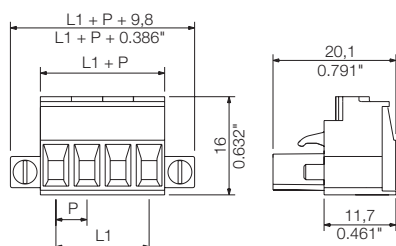
Representative deratings curve



BLZP 5.00HC../180F



Dimensioned drawing



Ordering data

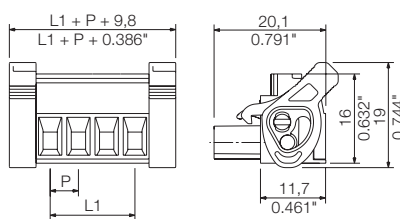
Solder pin length					
Colour		Orange	Black		
Pitch	5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	90	1955800000	1956030000
3	10.00	0.394	72	1955790000	1956020000
4	15.00	0.591	60	1955780000	1956010000
5	20.00	0.787	48	1955770000	1956000000
6	25.00	0.984	42	1955760000	1955990000
7	30.00	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

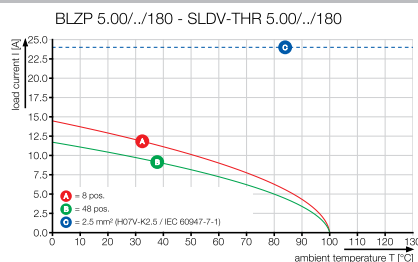
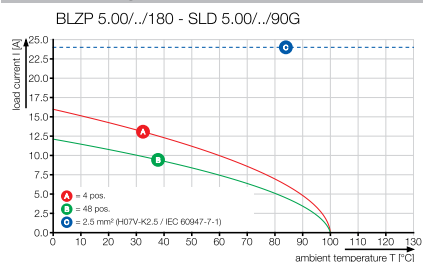
Solder pin length					
Colour		Orange	Black		
Pitch	5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	90	1956370000	1956600000
3	10.00	0.394	72	1956360000	1956590000
4	15.00	0.591	60	1956350000	1956580000
5	20.00	0.787	48	1956340000	1956570000
6	25.00	0.984	42	1956330000	1956560000
7	30.00	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

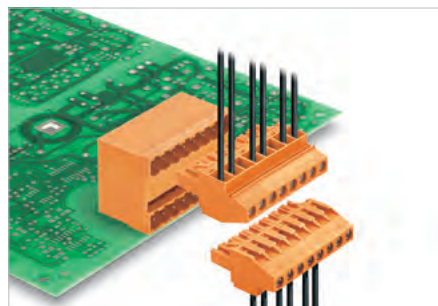
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact 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.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm²	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	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		

5.00

90°



4 mm²

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.weidmuller.com

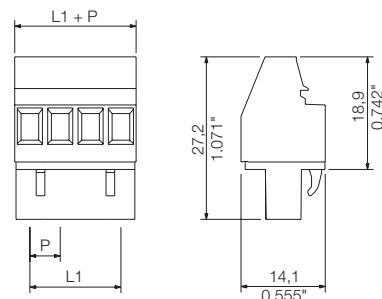
Note:

- 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
- 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



Accessories

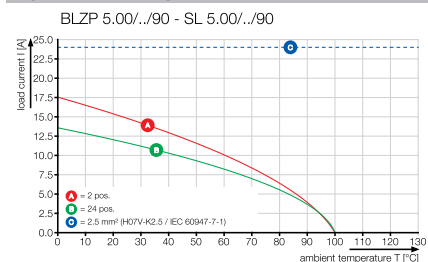
Note: Refer to the Accessories chapter for additional accessories.

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	
Colour	Orange	Black	
Pitch	5.00 mm		
Pol.	L1 (inch)	Qty.	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

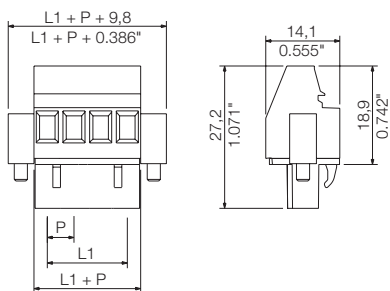
Representative deratings curve



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

The 2-in-1 contact

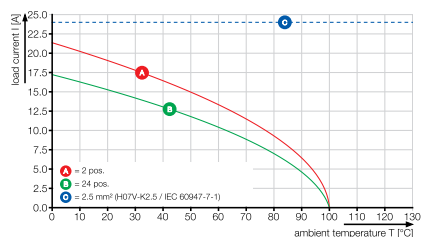
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact 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.



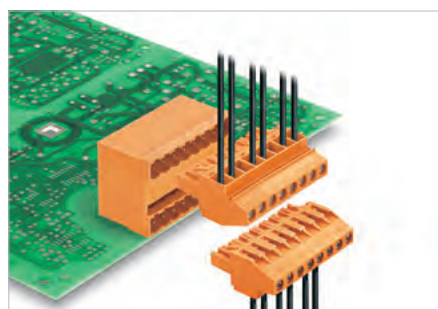
Additional deratings curves

BLZP 5.00../90 - SL-SMT 5.00../90



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.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm²	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	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 / 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

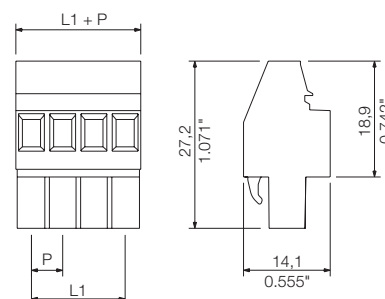
Note:

- 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



Accessories

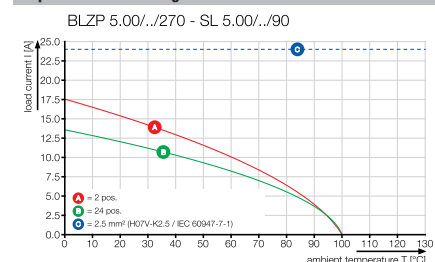
Note: Refer to the Accessories chapter for additional accessories.

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	
Colour	Orange	Black	
Pitch	5.00 mm		
Pol.	L1 (inch)	Qty.	Order No.
2	5.00	180	1958870000
3	10.00	120	1958860000
4	15.00	90	1958850000
5	20.00	72	1958840000
6	25.00	60	1958830000
7	30.00	48	1958820000
8	35.00	42	1958810000
9	40.00	36	1958800000
10	45.00	36	1958790000
11	50.00	30	1958780000
12	55.00	30	1959150000
13	60.00	24	1958770000
14	65.00	24	1958760000
15	70.00	24	1958750000
16	75.00	18	1958740000
17	80.00	18	1958730000
18	85.00	18	1958720000
19	90.00	18	1958710000
20	95.00	18	1958700000
21	100.00	12	1958690000
22	105.00	12	1958680000
23	110.00	12	1958670000
24	115.00	12	1958660000

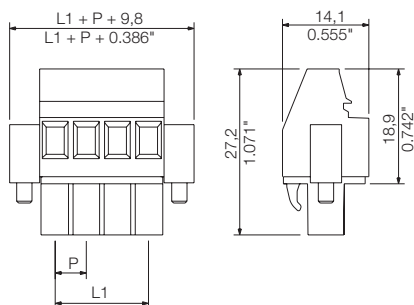
Representative deratings curve



BLZP 5.00HC../270F



Dimensioned drawing



Ordering data

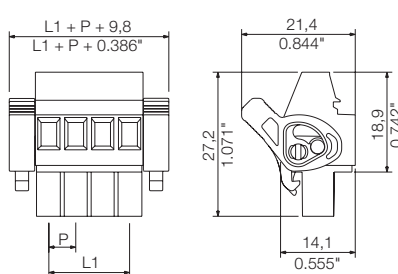
Solder pin length					
Colour		Orange	Black		
Pitch	5.00 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.00	0.197	90	1960460000	1960730000
3	10.00	0.394	72	1960450000	1960720000
4	15.00	0.591	60	1960440000	1960710000
5	20.00	0.787	48	1960430000	1960700000
6	25.00	0.984	42	1960420000	1960690000
7	30.00	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

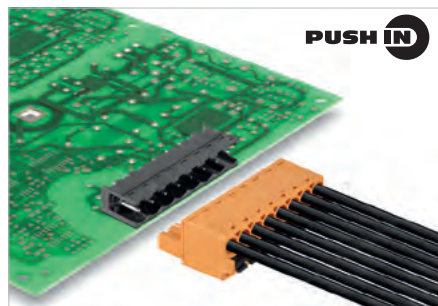
The 2-in-1 contact

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. 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

BLF 5.00HC../180



“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	20.5	17.5
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	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		

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

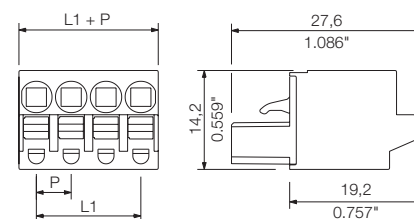
Note:

- 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



Accessories

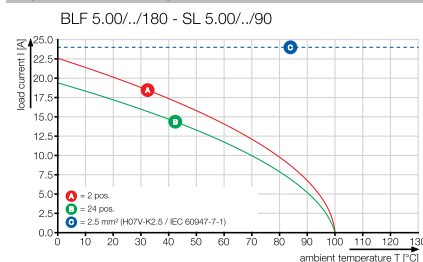
Note: Refer to the Accessories chapter for additional accessories.

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

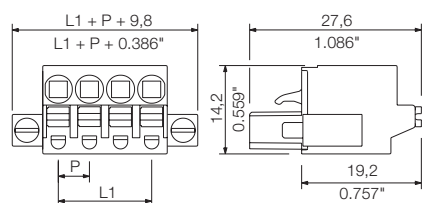
Representative deratings curve



BLF 5.00HC../180F



Dimensioned drawing



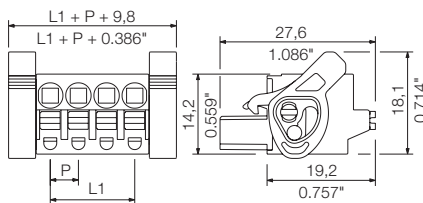
Ordering data

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

"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.



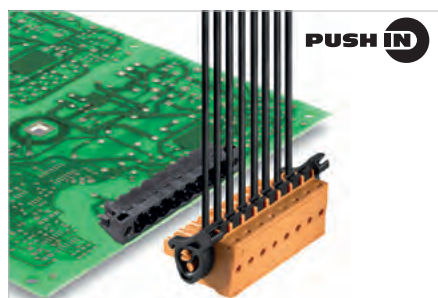
The 2-in-1 contact

Every pluggable connector covers two 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 5.00 mm pitch Series BL/SL 5.00

BLF 5.00HC../90



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- 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	20	17
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	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		

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.weidmuller.com

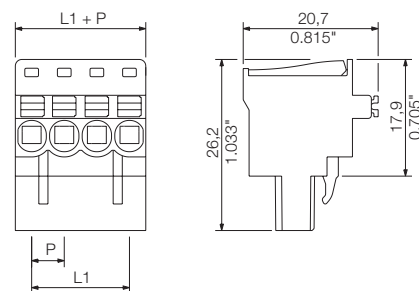
Note:

- 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

BLF 5.00HC../90



Dimensioned drawing



Accessories

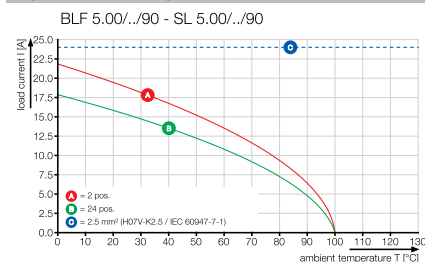
Note: Refer to the Accessories chapter for additional accessories.

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	5.00 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

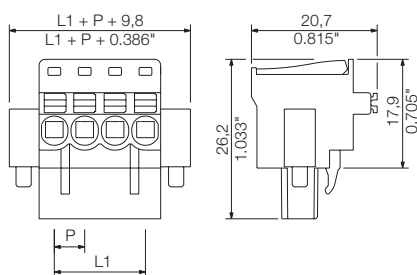
Representative deratings curve



BLF 5.00HC../90F



Dimensioned drawing

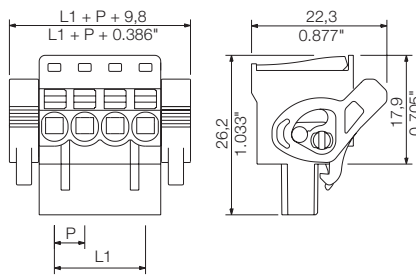


BLF 5.00HC../90LR

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	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

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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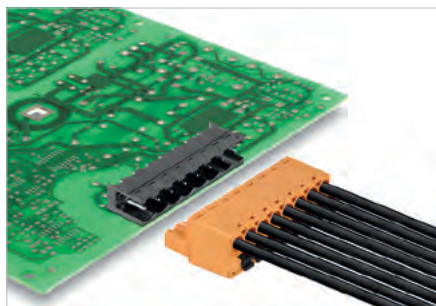
The 2-in-1 contact

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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).

Product data

IEC: 400 V / 19 A
UL: 300 V / 15 A



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

Note:

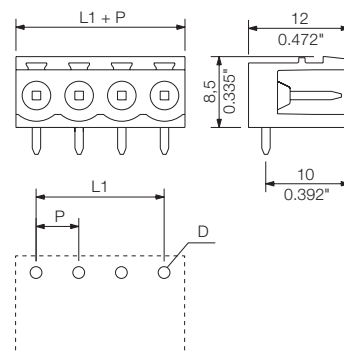
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Diameter of solder eyelet D = 1.5+0.1mm from 9-pole
- P on drawing = pitch
- Rated data refer only to the component 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



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	

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	3.2 mm
Colour		Black	Black
Pitch 5.08 mm			
Pol.	L1 (inch)	Qty.	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

5.08

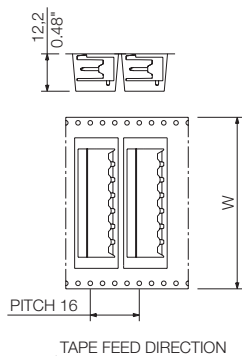
90°

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	

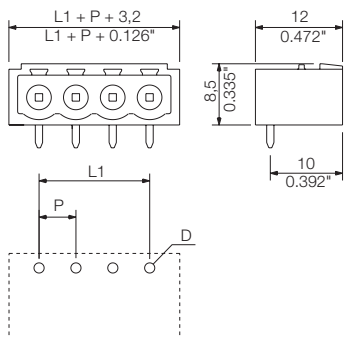
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC../90G Box

Packaged in box



Dimensioned drawing



Ordering data

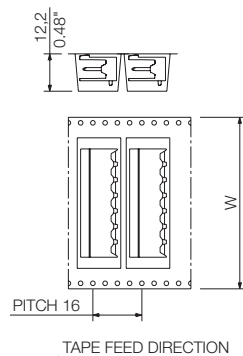
Solder pin length		1.5 mm		3.2 mm	
Colour		Black		Black	
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1775002001	1780180000
3	10.16	0.400	100	1775012001	1780190000
4	15.24	0.600	100	1775022001	1780200000
5	20.32	0.800	50	1775032001	1780210000
6	25.40	1.000	50	1775042001	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

SL-SMT 5.08HC../90G Tape

Tape-on-reel



Dimensioned drawing



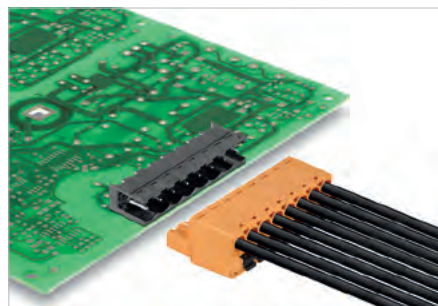
Ordering data

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).

Product data

IEC: 400 V / 19 A
UL: 300 V / 15 A



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

Note:

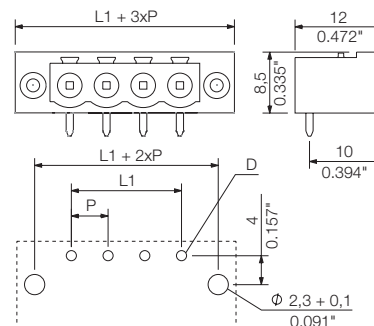
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Diameter of solder eyelet $D = 1.5 \pm 0.1$ mm from 9-pole
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC/./90F Box

Packaged in box



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	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	

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

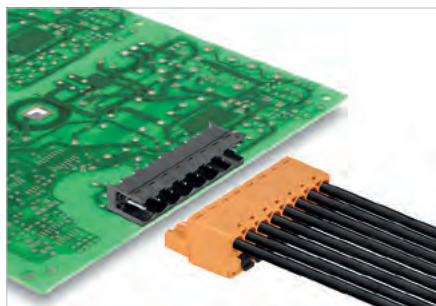
Solder pin length		3.2 mm		
Colour		Black		
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
2	5.08	0.200	100	1837630000
3	10.16	0.400	100	1837640000
4	15.24	0.600	100	1837650000
5	20.32	0.800	50	1837660000
6	25.40	1.000	50	1837670000
7	30.48	1.200	50	1837680000
8	35.56	1.400	50	1837690000
9	40.64	1.600	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).

Product data

IEC: 400 V / 19 A
UL: 300 V / 15 A



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

Note:

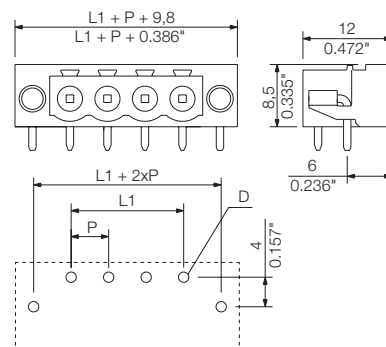
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC../90LF Box

Packaged in box; with solder flange



Dimensioned drawing



Technical data

In compliance with IEC 60664-1 / IEC 61984			
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	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	

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

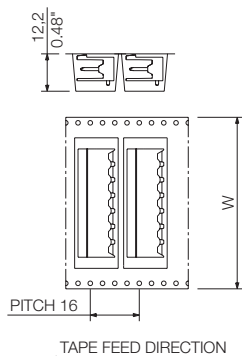
Solder pin length		1.5 mm	3.2 mm		
Colour		Black	Black		
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1775232001	1780410000
3	10.16	0.400	100	1775242001	1780420000
4	15.24	0.600	100	1775252001	1780430000
5	20.32	0.800	50	1775262001	1780440000
6	25.40	1.000	50	1775272001	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

SL-SMT 5.08HC/./90LF 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.



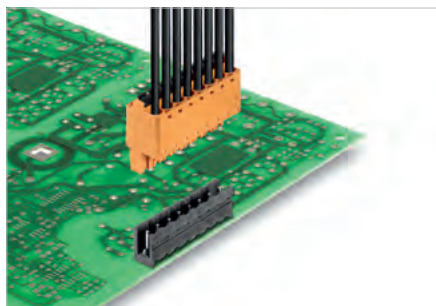
Ordering data

Solder pin length		1.5 mm		
Colour		Black		
Pitch		5.08 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

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).

Product data

IEC: 400 V / 19 A
UL: 300 V / 15 A



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

Note:

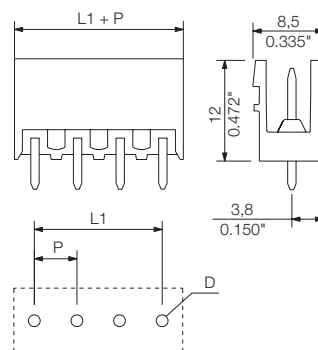
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet $D = 1.4 \pm 0.1$ mm
- Diameter of solder eyelet $D = 1.5 \pm 0.1$ mm from 9-pole
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC../180 Box

Packaged in box



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	19	16
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	320 400
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	

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	Order No.
SL AT OR	1598300000
SL AT SW	1770240000

Ordering data

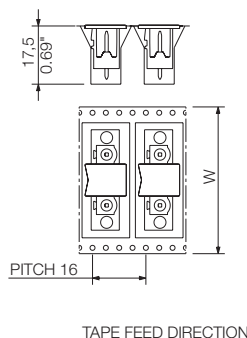
Solder pin length	1.5 mm		3.2 mm		
	Black		Black		
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1775522001	1837980000
3	10.16	0.400	100	1775572001	1837990000
4	15.24	0.600	100	1775592001	1838000000
5	20.32	0.800	50	1775632001	1838010000
6	25.40	1.000	50	1775642001	1838020000
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

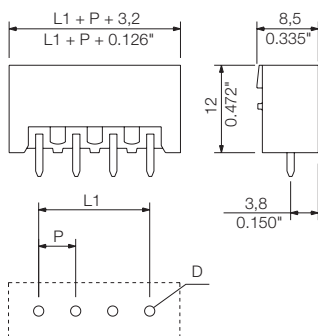
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC../180G Box

Packaged in box



Dimensioned drawing



Ordering data

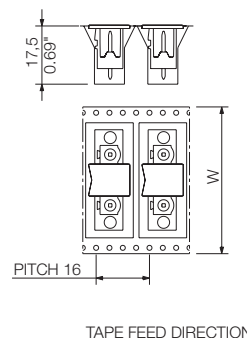
Solder pin length		1.5 mm		3.2 mm	
Colour		Black		Black	
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1775922001	1838210000
3	10.16	0.400	100	1775932001	1838220000
4	15.24	0.600	100	1775942001	1838230000
5	20.32	0.800	50	1775952001	1838240000
6	25.40	1.000	50	1775962001	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

SL-SMT 5.08HC../180G Tape

Tape-on-reel



Dimensioned drawing



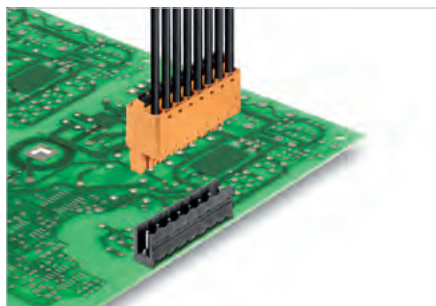
Ordering data

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		
Overtoltage 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:

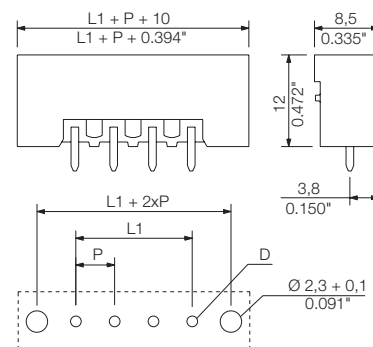
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Diameter of solder eyelet D = 1.5+0.1mm from 9-pole
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage 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

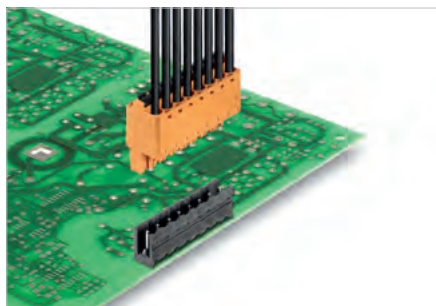
Solder pin length	1.5 mm		3.2 mm		
	Black	Black	Black	Black	
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1837320000	1837860000
3	10.16	0.400	100		1820600000
4	15.24	0.600	100	1830100000	1837870000
5	20.32	0.800	50	1837330000	1820770000
6	25.40	1.000	50	1837340000	1820610000
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

5.08

180°

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		
Overtoltage 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:

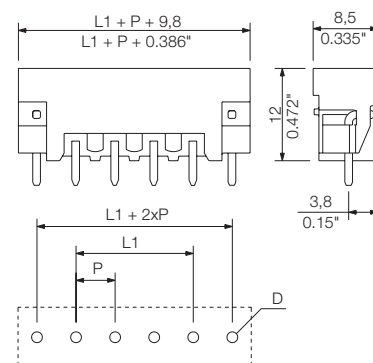
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Diameter of solder eyelet D = 1.5+0.1mm from 9-pole
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage 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

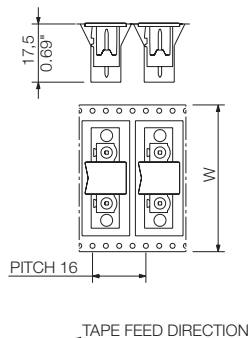
Solder pin length	1.5 mm		3.2 mm		
	Black		Black		
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1776362001	1838440000
3	10.16	0.400	100	1776372001	1838450000
4	15.24	0.600	100	1776382001	1838460000
5	20.32	0.800	50	1776392001	1838470000
6	25.40	1.000	50	1776402001	1838480000
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	1776572001	1838650000
24	116.84	4.600	20	1776582001	1838660000

SL-SMT 5.08HC/./180LF Tape

Packaged in box; 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.



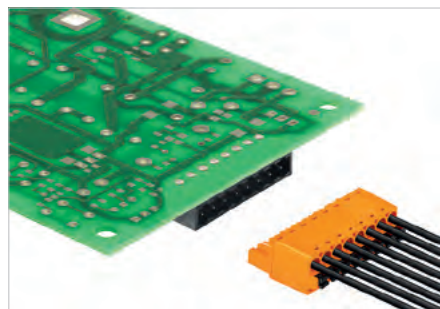
Ordering data

Solder pin length		1.5 mm		
Colour		Black		
Pitch		5.08 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

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.

Product data

IEC: 400 V / 19 A
UL: 300 V / 15 A



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

Note:

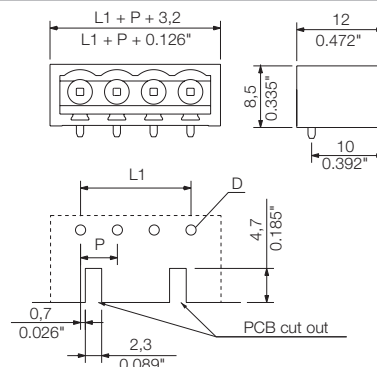
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC../270GL Box

Packaged in box



Dimensioned drawing





Technical data

In compliance with IEC 60664-1 / IEC 61984

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	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	

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

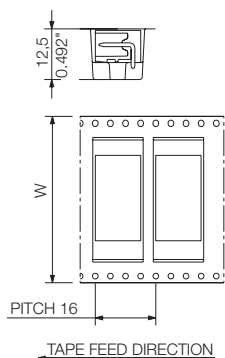
Solder pin length	1.5 mm		3.2 mm		
	Black		Black		
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1877100000	1877470000
3	10.16	0.400	100	1877130000	1877490000
4	15.24	0.600	100	1877140000	1877510000
5	20.32	0.800	50	1877150000	1877520000
6	25.40	1.000	50	1877160000	1877530000
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	

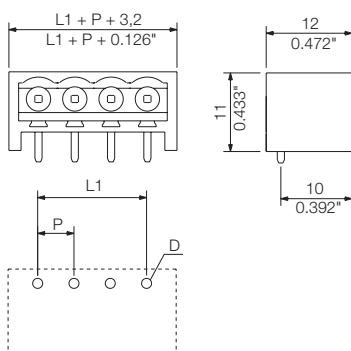
Tape widths: 32, 44, 56, 72, 88

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

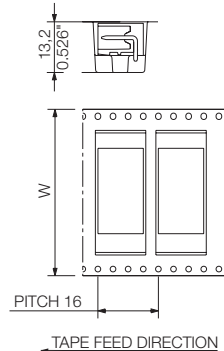
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC/./270GH Tape

Tape-on-reel



Dimensioned drawing



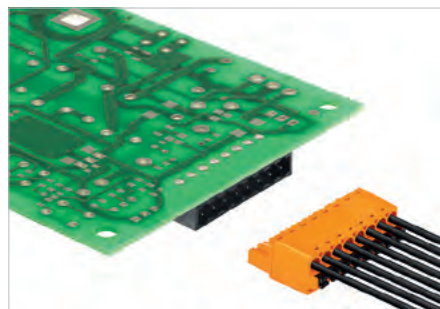
Ordering data

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.

Product data

IEC: 400 V / 19 A
UL: 300 V / 15 A



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

Note:

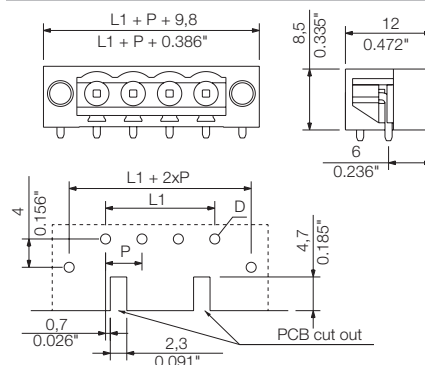
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMT 5.08HC/./270FL Box

Packaged in box; with solder flange



Dimensioned drawing





Technical data

In compliance with IEC 60664-1 / IEC 61984			
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	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	

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		
	Black	Black	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

5.08

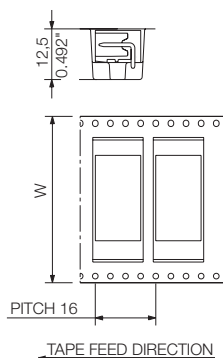
270°

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	

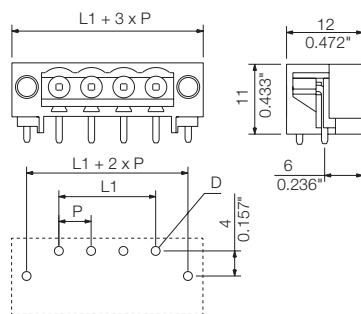
Tape widths: 32, 44, 56, 72, 88

SL-SMT 5.08HC/./270FH Box

Packaged in box; with solder flange



Dimensioned drawing



Ordering data

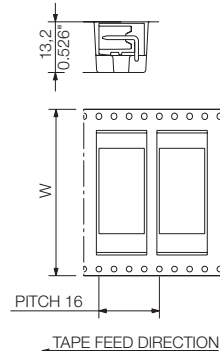
Solder pin length		1.5 mm		3.2 mm	
Colour		Black		Black	
Pitch		5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1877960000	1877190000
3	10.16	0.400	100	1877970000	1877210000
4	15.24	0.600	100	1877980000	1877330000
5	20.32	0.800	50	1877990000	1877430000
6	25.40	1.000	50	1878000000	1877460000
7	30.48	1.200	50	1878010000	1877480000
8	35.56	1.400	50	1878020000	1877500000

SL-SMT 5.08HC/./270FH Tape

Tape-on-reel; with solder flange



Dimensioned drawing



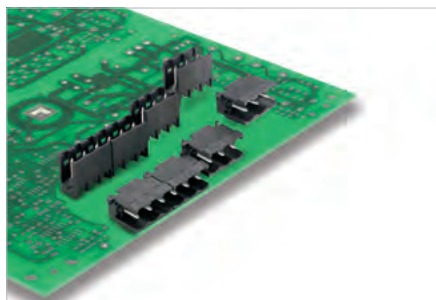
Ordering data

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-SMaT 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-SMaT 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	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	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:

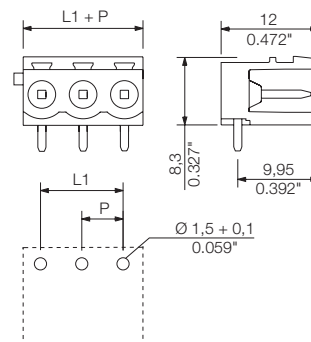
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

SL-SMaT 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

5.0x

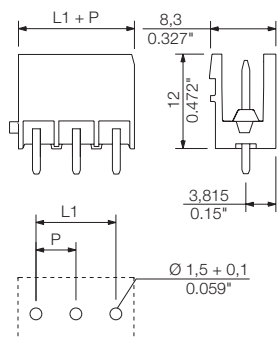
90°

SL-SMaRT 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-SMaRT

The SL-SMaRT 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.

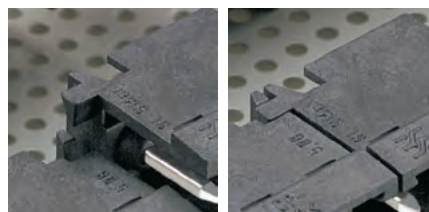
The solution is to use 2- and 3-pole male connector modules to interconnect components of any size.

Therefore, by assembling the SL-SMaRT modules in one row, 23 standard male connectors (2- to 24-pole) can already be created.

The optimum tolerance design of the SL-SMaRT 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.

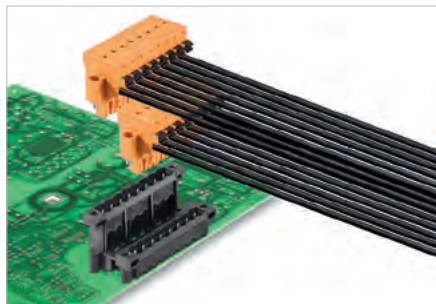


And the fact that two plug-in directions are available, 90° and 180°, means that the result is increased to 92 variations.

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.

Product data

IEC: 400 V / 15 A
UL: 300 V / 10 A



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

Note:

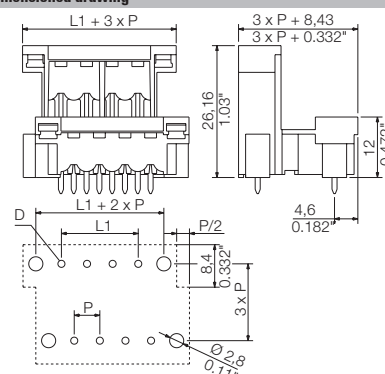
- Rated current related to rated cross-section & min. No. of poles.
- Spacing between rows: see hole layout
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

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

Technical data

In compliance with IEC 60664-1 / IEC 61984			
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	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	

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	Order No.
SL AT OR	1598300000
SL AT SW	1770240000

5.08

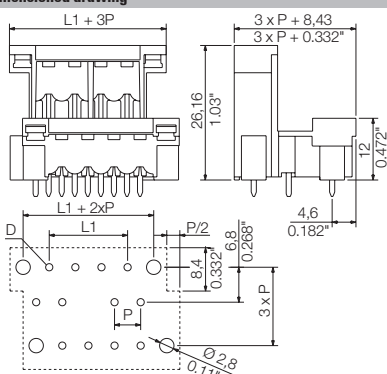
180°

SLDV-THR 5.08/./180FLF

Packaged in box; with solder flange



Dimensioned drawing

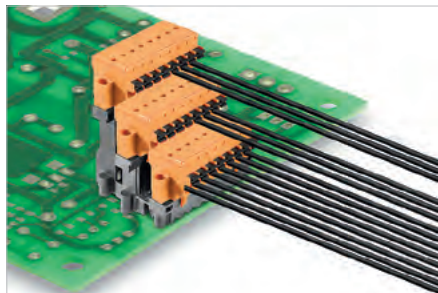


Ordering data

Solder pin length		1.5 mm	3.2 mm
Colour		Black	Black
Pitch 5.08 mm			
Pol.	L1 (inch)	Qty.	Order No.
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	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	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

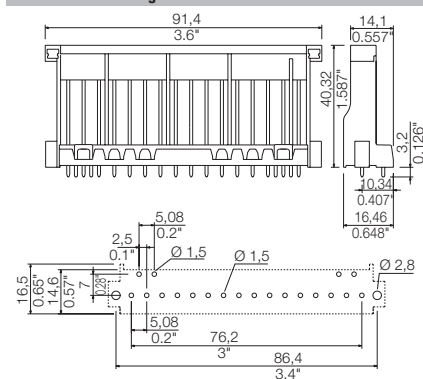
Note:

- 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

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



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, absolute 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.

Product data

IEC: 400 V / 24 A
UL: 300 V / 15 A



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

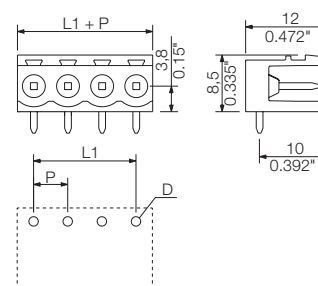
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- 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



Technical data

In compliance with IEC 60664-1 / IEC 61984			
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	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	

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.
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

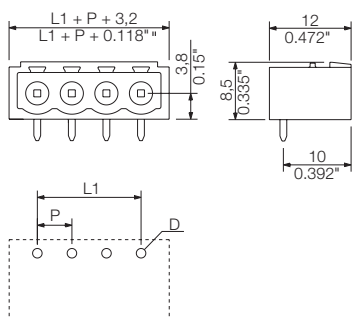
5.08

90°

SL 5.08HC/./90G



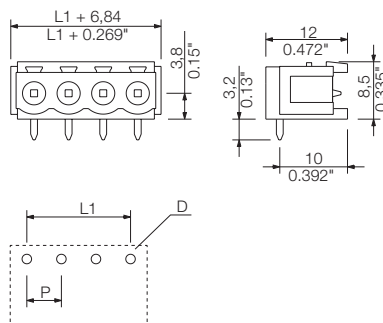
Dimensioned drawing



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.

Product data

IEC: 400 V / 24 A
UL: 300 V / 15 A



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

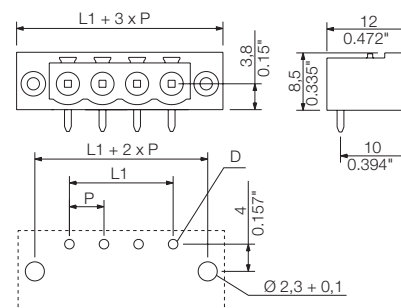
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- 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



Technical data

In compliance with IEC 60664-1 / IEC 61984			
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	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	

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

5.08

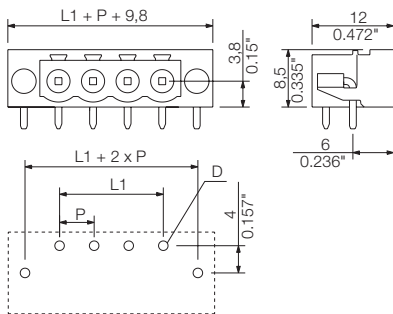
90°

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.

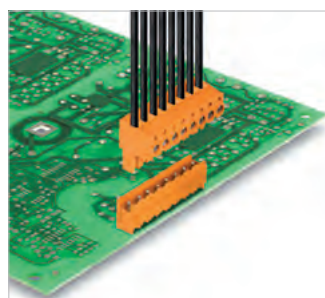


Ordering data

Solder pin length		3.2 mm	3.2 mm		
Colour		Orange	Black		
Pitch		5.08 mm			
Pol.	L1 (inch)	Qty.	Order No.		
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.

Product data

IEC: 400 V / 24 A
UL: 300 V / 16 A



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

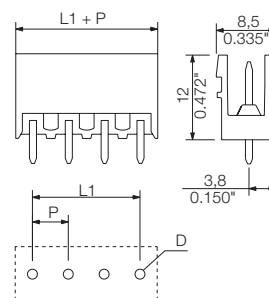
Note:

- 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



Technical data

In compliance with IEC 60664-1 / IEC 61984			
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	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	

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.
2	5.08	0.200	100
3	10.16	0.400	100
4	15.24	0.600	100
5	20.32	0.800	50
6	25.40	1.000	50
7	30.48	1.200	50
8	35.56	1.400	50
9	40.64	1.600	50
10	45.72	1.800	50
11	50.80	2.000	50
12	55.88	2.200	50
13	60.96	2.400	50
14	66.04	2.600	50
15	71.12	2.800	50
16	76.20	3.000	50
17	81.28	3.200	20
18	86.36	3.400	20
19	91.44	3.600	20
20	96.52	3.800	20
21	101.60	4.000	20
22	106.68	4.200	20
23	111.76	4.400	20
24	116.84	4.600	20

5.08

180°

SL 5.08HC../180G

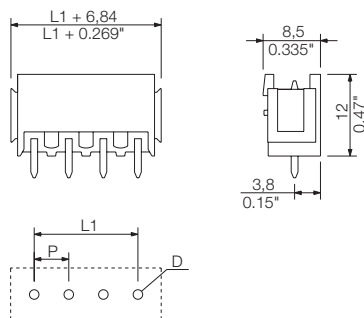
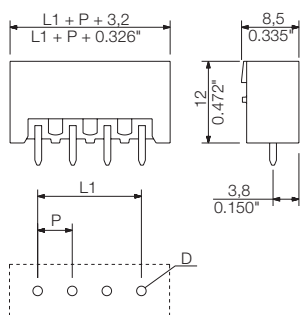
SL 5.08HC../180B



Dimensioned drawing



Dimensioned drawing



Ordering data

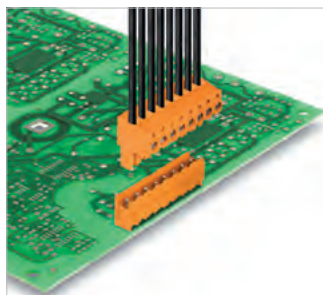
Solder pin length		3.2 mm	3.2 mm		
Colour		Orange	Black		
Pitch 5.08 mm					
Pol.	L1 (inch)	Qty.	Order No.	Order No.	
2	5.08	0.200	100	1146730000	1148630000
3	10.16	0.400	100	1146750000	1148670000
4	15.24	0.600	100	1146780000	1148700000
5	20.32	0.800	50	1146800000	1148730000
6	25.40	1.000	50	1146820000	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, absolute 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.

Product data

IEC: 400 V / 24 A
UL: 300 V / 16 A



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

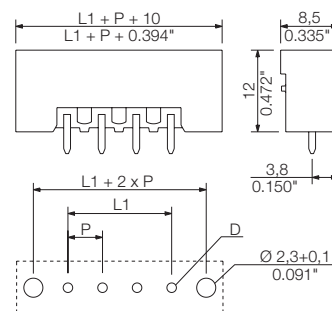
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- 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



Technical data

In compliance with IEC 60664-1 / IEC 61984			
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	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	

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

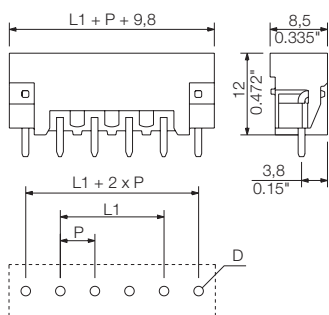
Solder pin length		3.2 mm	3.2 mm		
Colour		Orange	Black		
Pitch 5.08 mm					
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	100	1147130000	1148490000
3	10.16	0.400	100	1147170000	1148520000
4	15.24	0.600	100	1147200000	1148540000
5	20.32	0.800	50	1147230000	1148570000
6	25.40	1.000	50	1147260000	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

SL 5.08HC../180LF

with solder flange



Dimensioned drawing

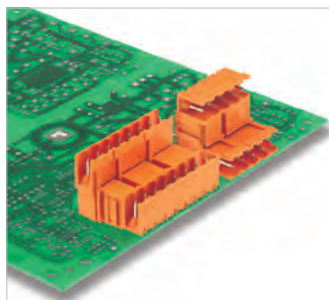


Ordering data

Solder pin length		3.2 mm	3.2 mm		
Colour		Orange	Black		
Pitch		5.08 mm			
Pol.	L1 (inch)	Qty.	Order No.		
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.

Product data

IEC: 400 V / 17 A
UL: 300 V / 10 A



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

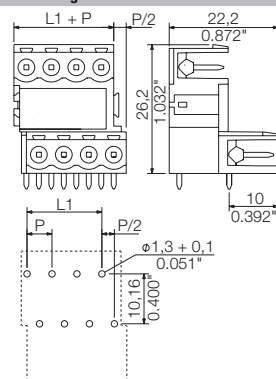
Note:

- 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

Technical data

In compliance with IEC 60664-1 / IEC 61984			
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	17	15
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	320 400
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	

Accessories

Note: Refer to the Accessories chapter for additional accessories.

Mounting block		Order No.
	SLA BB14 OR	1594200000
	SLA BB14 SW	1774460000
Coding		
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Partition element		
	SL AT OR	1598300000
	SL AT SW	1770240000

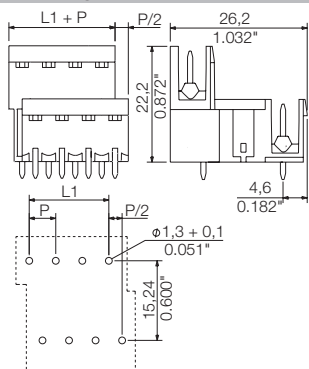
5.08

90°

SLD 5.08V/180



Dimensioned drawing

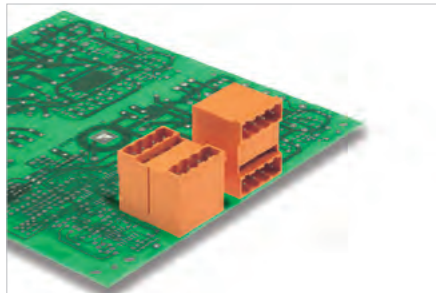


Ordering data

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.

Product data

IEC: 400 V / 11 A
UL: 300 V / 10 A



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

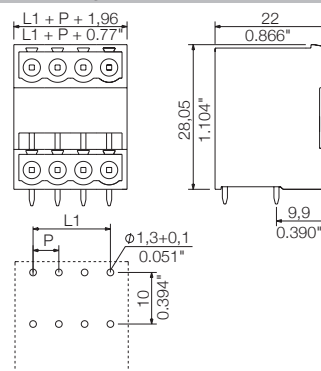
Note:

- 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



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	

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		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

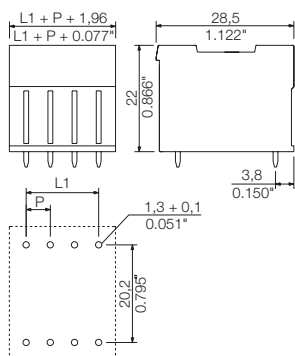
5.08

90°

SLD 5.08/./180G



Dimensioned drawing



Ordering data

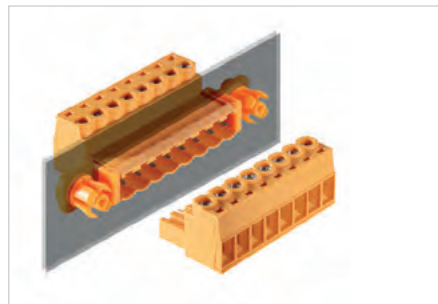
Solder pin length		3.2 mm		
Colour		Orange		
Pitch		5.08 mm		
Pol.	L1	(inch)	Qty.	Order No.
4	5.08	0.200	50	1602390000
6	25.40	1.000	50	1602400000
8	35.56	1.400	50	1602410000
10	45.72	1.800	50	1602420000
12	55.88	2.200	50	1602430000
14	66.04	2.600	20	1602440000
16	76.20	3.000	20	1602450000
18	86.36	3.400	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

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	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-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

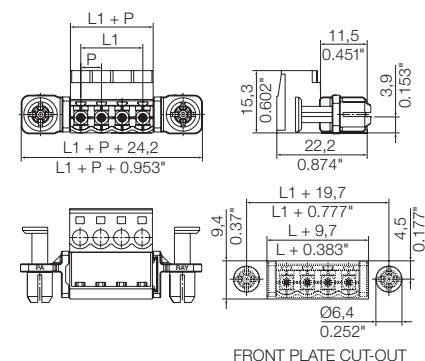
Note:

- 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

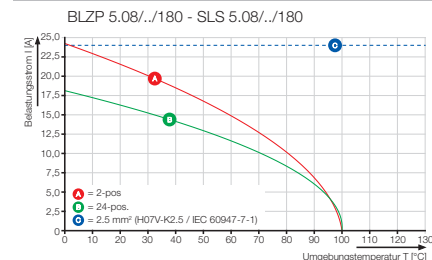
Note: Refer to the Accessories chapter for additional accessories.

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

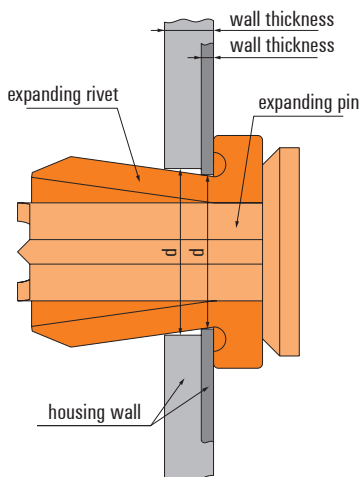


Flexibility & safety

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 to 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.

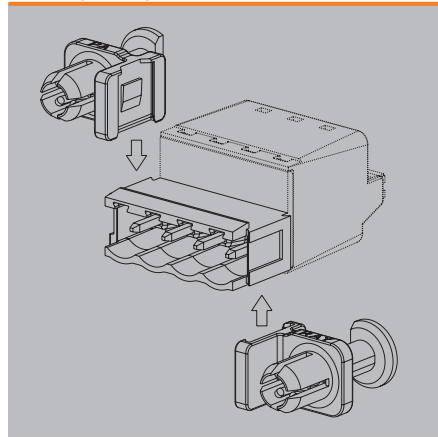
BBDF sectional drawing in the wall of the housing



hole size table

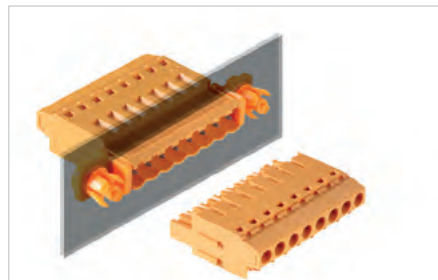
	housing wall thickness	hole size (p)
mm	0.5 - 0.8	6.3
	1	6.4
	1.5	6.5
	2	6.7
inch	0.019 - 0.031	0.248
	0.039	0.252
	0.059	0.256
	0.079	0.264

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 & 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 / 16 A / 0.2 - 2.5 mm²
UL: 300 V / 15 A / AWG 26 - 14



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

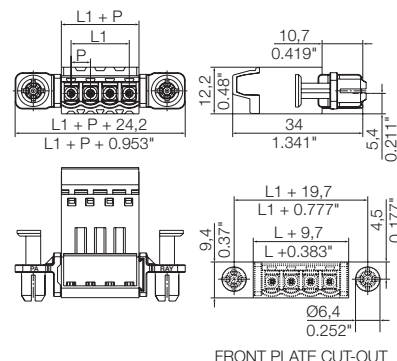
Note:

- 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	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		
Overtoltage 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			
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		Qty.	Order No.	
Pol.	L1	(inch)			
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	

5.08

180°

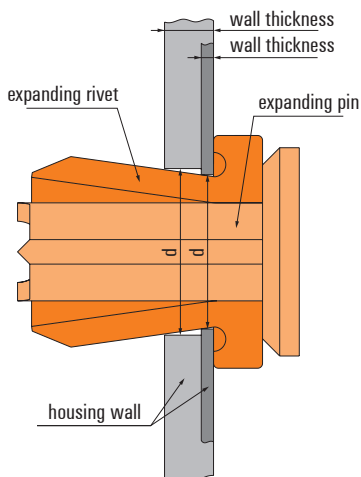
2.5 mm²

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.

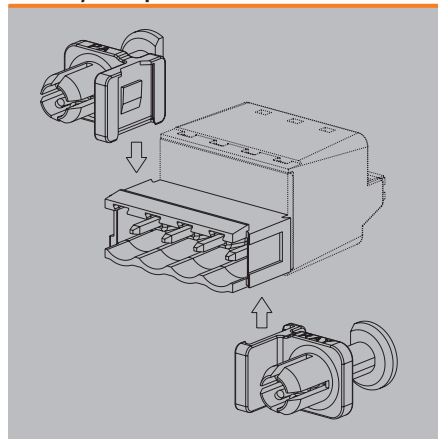
BBDF sectional drawing in the wall of the housing



hole size table

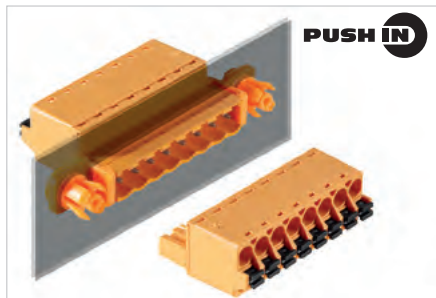
	housing wall thickness	hole size (p)
mm	0.5 - 0.8	6.3
	1	6.4
	1.5	6.5
	2	6.7
inch	0.019 - 0.031	0.248
	0.039	0.252
	0.059	0.256
	0.079	0.264

assembly description



Connectors in 5.08 mm pitch Series BL/SL 5.08

SLF 5.08../180DF



PUSH IN

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

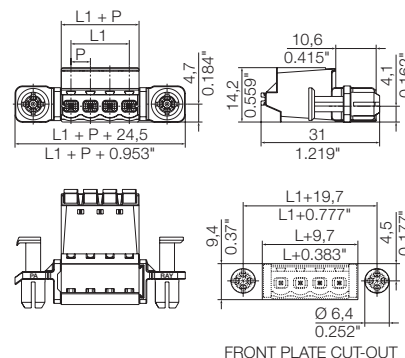
Note:

- 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../180DF



Dimensioned drawing



E

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	
Overtoltage 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
H1,5/14S 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

5.08

180°

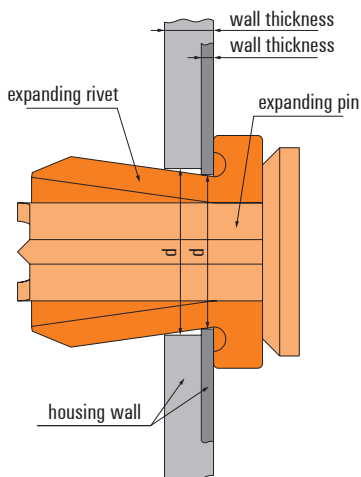
2.5 mm²

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.

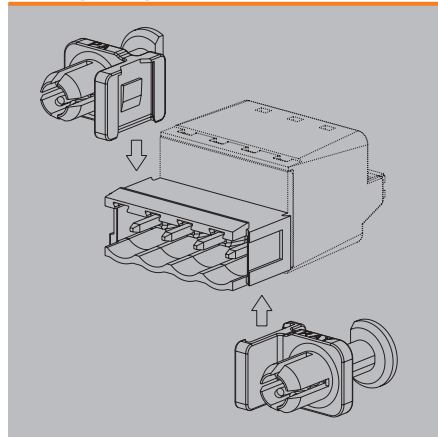
BBDF sectional drawing in the wall of the housing



hole size table

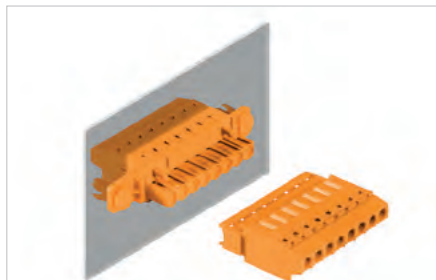
	housing wall thickness	hole size (p)
mm	0.5 - 0.8	6.3
	1	6.4
	1.5	6.5
	2	6.7
inch	0.019 - 0.031	0.248
	0.039	0.252
	0.059	0.256
	0.079	0.264

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

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.weidmuller.com

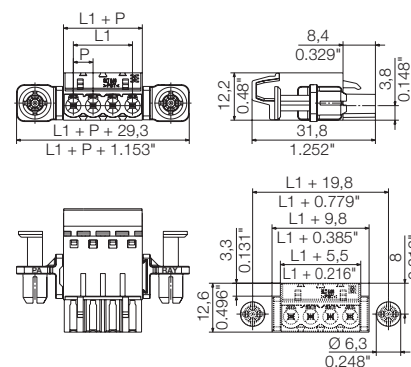
Note:

- 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

BLT 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	

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)

Rated voltage	V	300 300
Rated current	A	13 10
AWG conductor	AWG	26-14

CSA (Use Group)

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	

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		Qty.	Order No.
Pol.	L1	(inch)		
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

5.08

180°

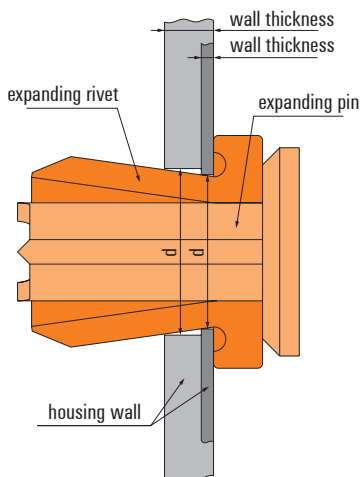
2.5 mm²

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.

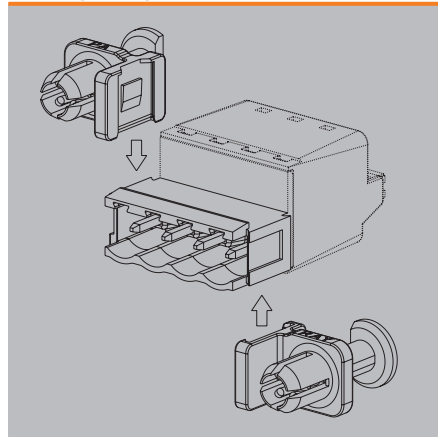
BBDF sectional drawing in the wall of the housing



hole size table

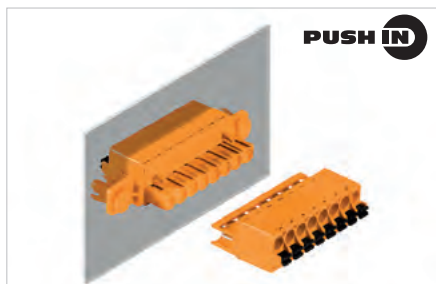
	housing wall thickness	hole size (p)
mm	0.5 - 0.8	6.3
	1	6.4
	1.5	6.5
	2	6.7
inch	0.019 - 0.031	0.248
	0.039	0.252
	0.059	0.256
	0.079	0.264

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.weidmuller.com

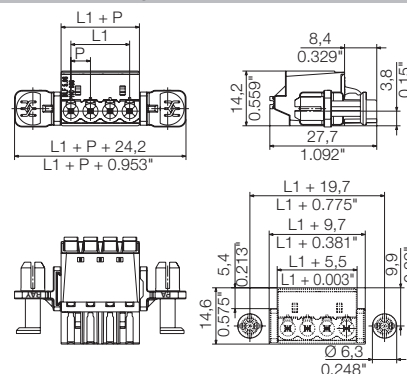
Note:

- 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

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			
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	18.5	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
H1,5/14S SW	9025240000
H2,5/14S BL	1333100000

Ordering data

Solder pin length				
Colour	Orange			
Pitch	5.08 mm		Qty.	Order No.
Pol.	L1	(inch)		
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

5.08

180°

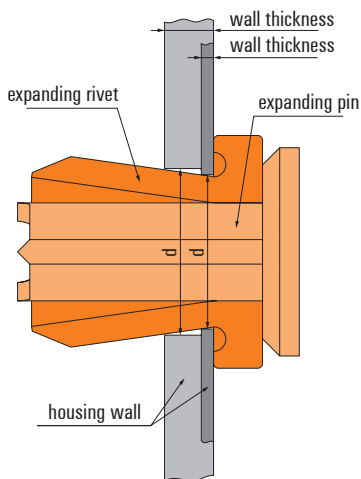
2.5 mm²

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 to 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.

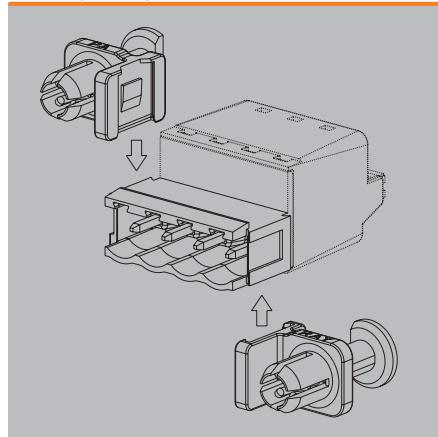
BBDF sectional drawing in the wall of the housing



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, 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.



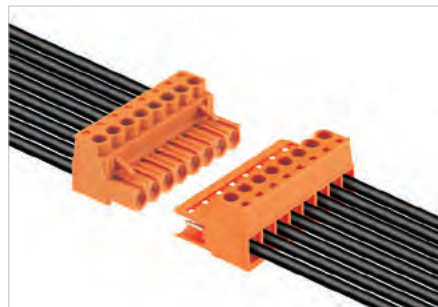
The 2-in-1 contact

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

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.weidmuller.com

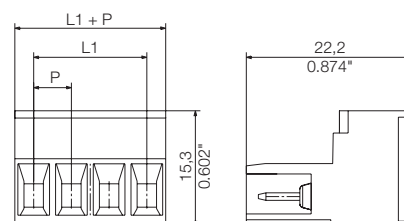
Note:

- 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			
UL 94 flammability rating			
Contact base material			
Material of contact surface		tinned	
Pin dimensions = d	mm		
Solder eyelet Ø = D	mm		
Solder eyelet Ø tolerance	mm		

Accessories

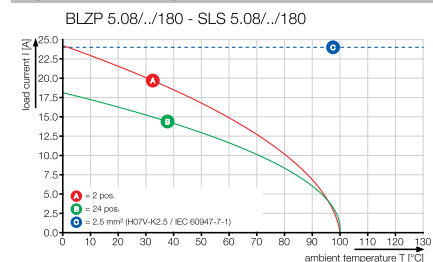
Note: Refer to the Accessories chapter for additional accessories.

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
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

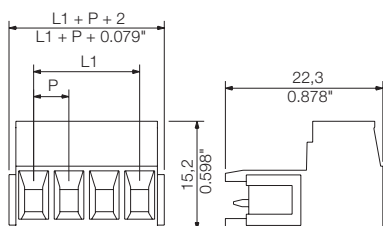
Representative deratings curve



SLS 5.08../180B



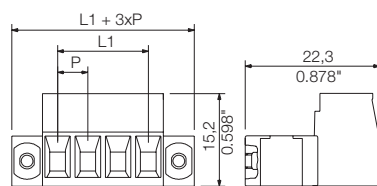
Dimensioned drawing



SLS 5.08../180F



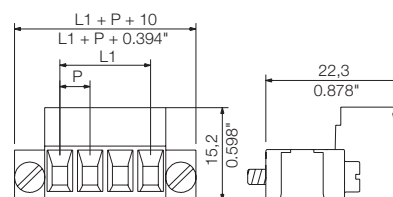
Dimensioned drawing



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	

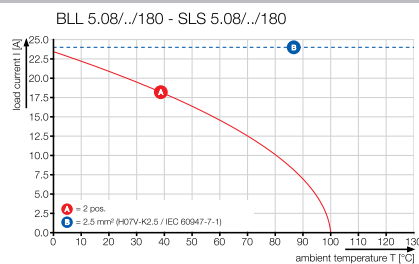
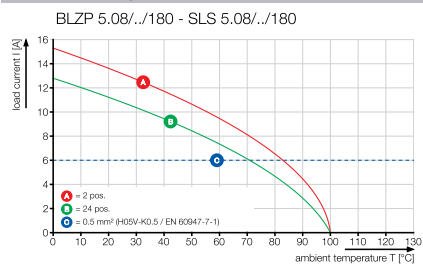
Ordering data

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

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.weidmuller.com

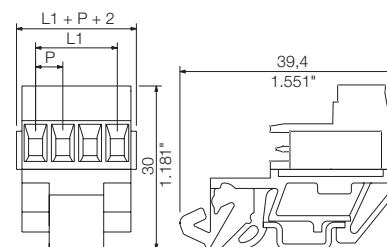
Note:

- 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



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	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	B	C D
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG	26-12	
CSA (Use Group)	B C D	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		

Accessories

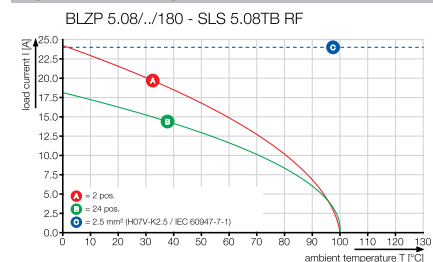
Note: Refer to the Accessories chapter for additional accessories.

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

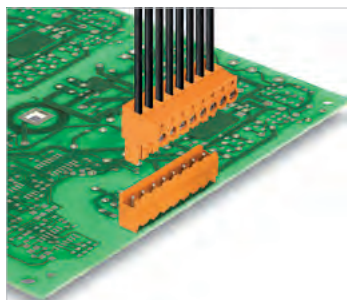
Ordering data

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

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	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	320
Rated impulse voltage	kV	4	4
UL / CUL (Use Group)	B C D	B	C D
Rated voltage	V	300	300
Rated current	A	14	10
AWG conductor	AWG	26-12	
CSA (Use Group)	B C D	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.weidmuller.com

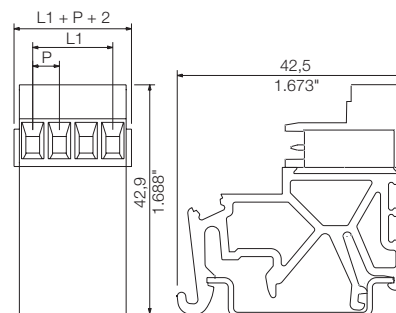
Note:

- 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



Accessories

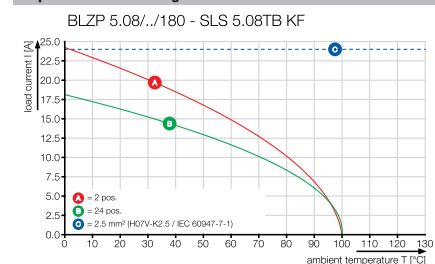
Note: Refer to the Accessories chapter for additional accessories.

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

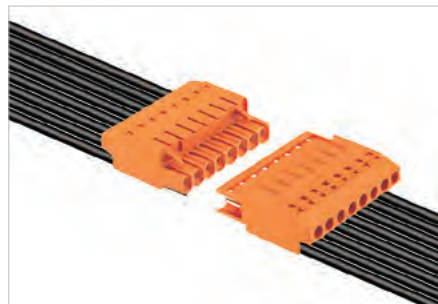
Solder pin length				
Colour	Orange			
Pitch	5.08 mm			
Pol.	L1	(inch)	Qty.	Order No.
4	15.24	0.600	20	1846130000
6	25.40	1.000	20	1846140000
8	35.56	1.400	10	1846150000
10	45.72	1.800	10	1846160000
12	55.88	2.200	10	1846170000
16	76.20	3.000	5	1846180000
20	96.52	3.800	5	1846190000
24	116.84	4.600	5	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.

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

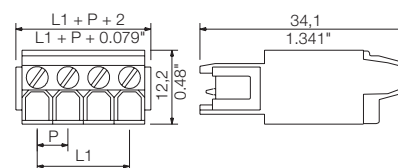
Note:

- 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



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		

Accessories

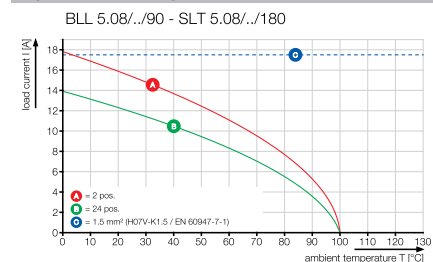
Note: Refer to the Accessories chapter for additional accessories.

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	

Representative deratings curve



5.08

180°

2.5 mm²

Connectors in 5.08 mm pitch Series BL/SL 5.08

SLF 5.08



PUSH IN

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.weidmueller.com

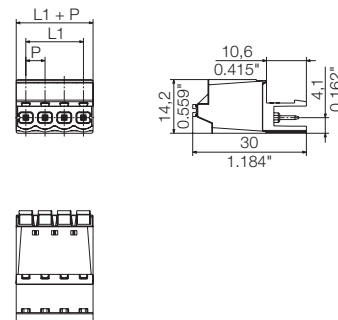
Note:

- 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/./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	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	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		

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

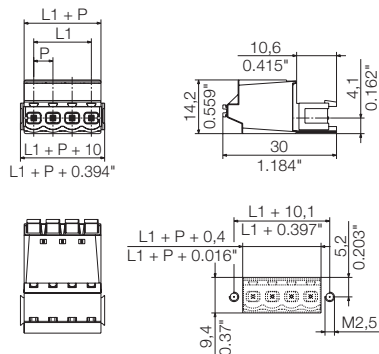
180°

2.5 mm²

SLF 5.08../180B



Dimensioned drawing



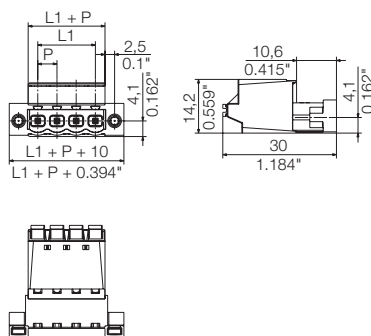
Ordering data

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



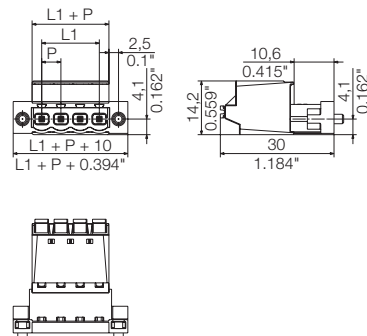
Ordering data

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

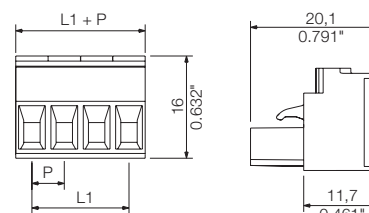
Note:

- 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	mm²	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

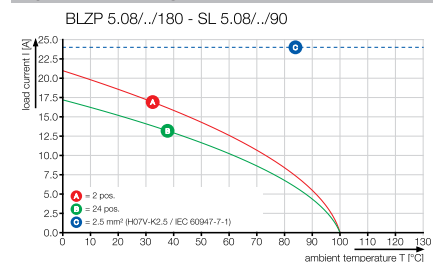
Note: Refer to the Accessories chapter for additional accessories.

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.	Order No.	Order No.		
2	5.08	0.200	100	1943580000	1943810000	
3	10.16	0.400	100	1943590000	1943820000	
4	15.24	0.600	100	1943600000	1943830000	
5	20.32	0.800	45	1943610000	1943840000	
6	25.40	1.000	45	1943620000	1943850000	
7	30.48	1.200	45	1943630000	1943860000	
8	35.56	1.400	45	1943640000	1943870000	
9	40.64	1.600	45	1943650000	1943880000	
10	45.72	1.800	45	1943660000	1943890000	
11	50.80	2.000	36	1943670000	1943900000	
12	55.88	2.200	36	1943680000	1943910000	
13	60.96	2.400	36	1943690000	1943920000	
14	66.04	2.600	27	1943700000	1943930000	
15	71.12	2.800	27	1943710000	1943940000	
16	76.20	3.000	27	1943720000	1943950000	
17	81.28	3.200	18	1943730000	1943960000	
18	86.36	3.400	18	1943740000	1943970000	
19	91.44	3.600	18	1943750000	1943980000	
20	96.52	3.800	18	1943760000	1943990000	
21	101.60	4.000	18	1943770000	1944000000	
22	106.68	4.200	18	1943780000	1944010000	
23	111.76	4.400	18	1943790000	1944020000	
24	116.84	4.600	18	1943800000	1944030000	

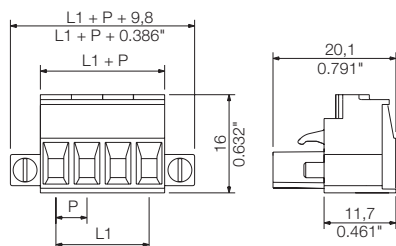
Representative deratings curve



BLZP 5.08HC../180F



Dimensioned drawing



Ordering data

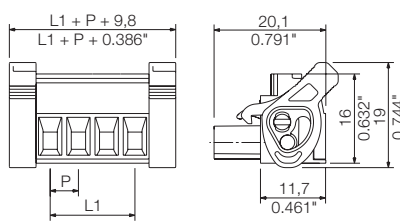
Solder pin length					
Colour		Orange	Black		
Pitch	5.08 mm				
Pol.	L1 (inch)	Qty.	Order No.	Order No.	
2	5.08	0.200	90	1944090000	1944330000
3	10.16	0.400	72	1944100000	1944340000
4	15.24	0.600	60	1944110000	1944350000
5	20.32	0.800	48	1944120000	1944360000
6	25.40	1.000	42	1944130000	1944370000
7	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

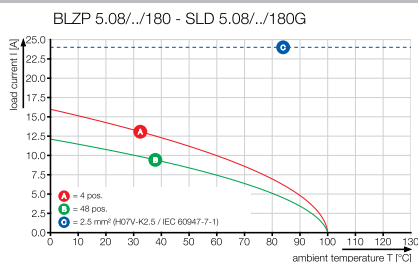
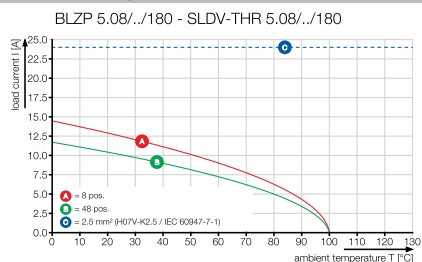
Solder pin length					
Colour		Orange	Black		
Pitch	5.08 mm				
Pol.	L1 (inch)	Qty.	Order No.	Order No.	
2	5.08	0.200	90	1944830000	1945060000
3	10.16	0.400	72	1944840000	1945070000
4	15.24	0.600	60	1944850000	1945080000
5	20.32	0.800	48	1944860000	1945090000
6	25.40	1.000	42	1944870000	1945100000
7	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

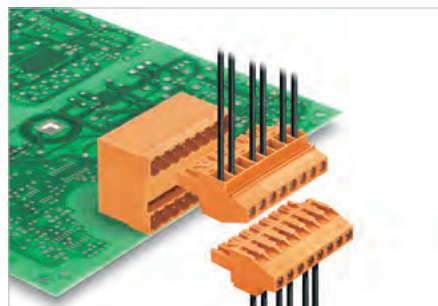
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact 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	mm²	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	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 / 15.5 A / 0.2 - 4 mm²
UL: 300 V / 15 A / AWG 30 - 12



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

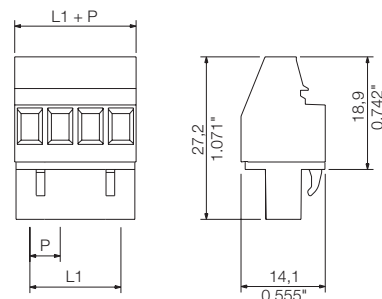
Note:

- 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
- 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

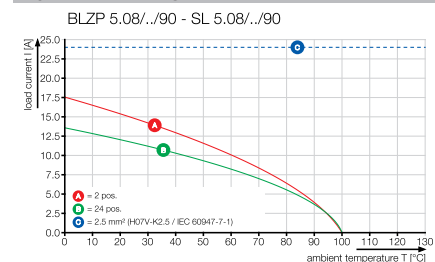
Note: Refer to the Accessories chapter for additional accessories.

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	
Colour	Orange	Black	
Pitch	5.08 mm		
Pol.	L1 (inch)	Qty.	Order No.
2	5.08	180	1948000000 1948240000
3	10.16	120	1948010000 1948250000
4	15.24	90	1948020000 1948260000
5	20.32	72	1948030000 1948270000
6	25.40	60	1948040000 1948280000
7	30.48	48	1948050000 1948290000
8	35.56	42	1948060000 1948300000
9	40.64	36	1948070000 1948310000
10	45.72	36	1948080000 1948320000
11	50.80	30	1948100000 1948330000
12	55.88	30	1948110000 1948340000
13	60.96	24	1948120000 1948350000
14	66.04	24	1948130000 1948360000
15	71.12	24	1948140000 1948370000
16	76.20	18	1948150000 1948380000
17	81.28	18	1948160000 1948390000
18	86.36	18	1948170000 1948400000
19	91.44	18	1948180000 1948410000
20	96.52	18	1948190000 1948420000
21	101.60	12	1948200000 1948430000
22	106.68	12	1948210000 1948440000
23	111.76	12	1948220000 1948450000
24	116.84	12	1948230000 1948460000

Representative deratings curve



5.08

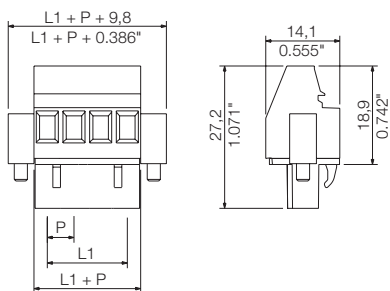
90°

4 mm²

BLZP 5.08HC/./90F



Dimensioned drawing



Ordering data

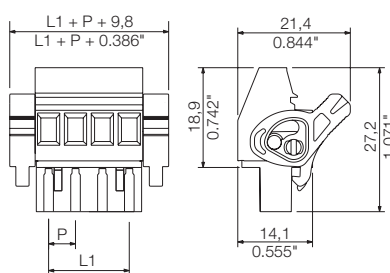
Solder pin length					
Colour		Orange	Black		
Pitch	5.08 mm				
Pol.	L1 (inch)	Qty.	Order No.	Order No.	
2	5.08	0.200	90	1949800000	1950040000
3	10.16	0.400	72	1949810000	1950050000
4	15.24	0.600	60	1949820000	1950060000
5	20.32	0.800	48	1949830000	1950070000
6	25.40	1.000	42	1949840000	1950080000
7	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

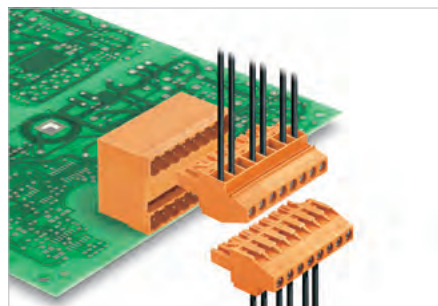
The 2-in-1 contact

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.

Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm²	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	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 / 15.5 A / 0.2 - 4 mm²
UL: 300 V / 15 A / AWG 30 - 12



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

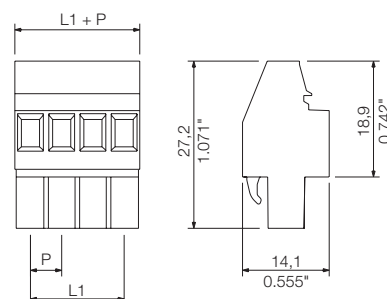
Note:

- 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
- 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



Accessories

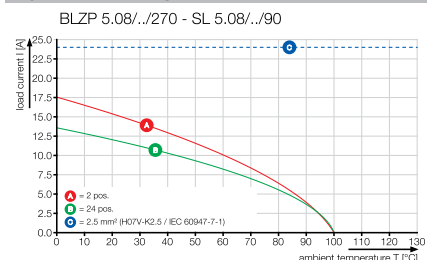
Note: Refer to the Accessories chapter for additional accessories.

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	
Colour	Orange	Black	
Pitch	5.08 mm		
Pol.	L1 (inch)	Qty.	Order No.
2	5.08	180	1948790000
3	10.16	120	1948800000
4	15.24	90	1948810000
5	20.32	72	1948820000
6	25.40	60	1948830000
7	30.48	48	1948840000
8	35.56	42	1948850000
9	40.64	36	1948860000
10	45.72	36	1948870000
11	50.80	30	1948880000
12	55.88	30	1948890000
13	60.96	24	1948900000
14	66.04	24	1948910000
15	71.12	24	1948920000
16	76.20	18	1948930000
17	81.28	18	1948940000
18	86.36	18	1948950000
19	91.44	18	1948960000
20	96.52	18	1948970000
21	101.60	12	1948980000
22	106.68	12	1948990000
23	111.76	12	1949000000
24	116.84	12	1949010000

Representative deratings curve



5.08

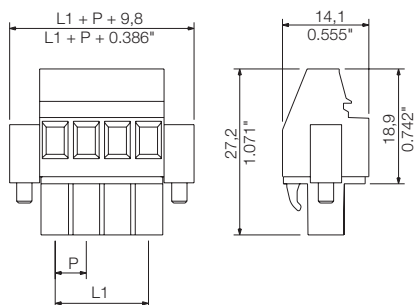
270°

4 mm²

BLZP 5.08HC../270F



Dimensioned drawing



Ordering data

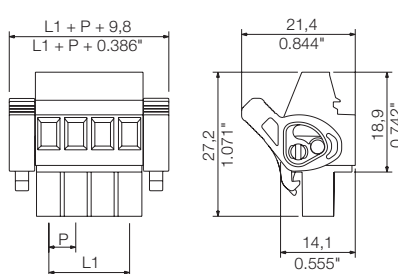
Solder pin length					
Colour		Orange	Black		
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1950310000	1950550000
3	10.16	0.400	72	1950320000	1950560000
4	15.24	0.600	60	1950330000	1950570000
5	20.32	0.800	48	1950340000	1950580000
6	25.40	1.000	42	1950350000	1950620000
7	30.48	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

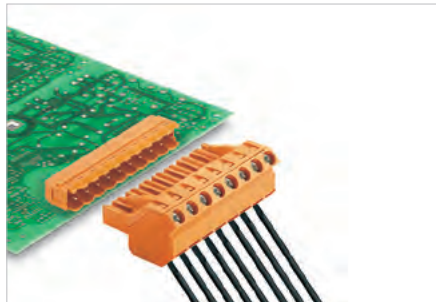
The 2-in-1 contact

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.

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.weidmuller.com

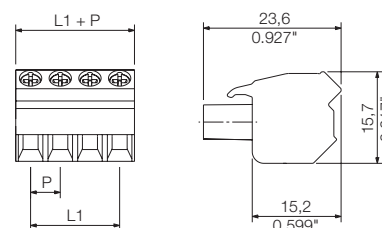
Note:

- 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
- 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



Technical data

In compliance with IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid core H05(07) V-U	mm²	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		

Accessories

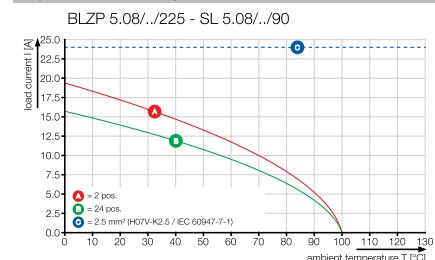
Note: Refer to the Accessories chapter for additional accessories.

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



5.08

225°

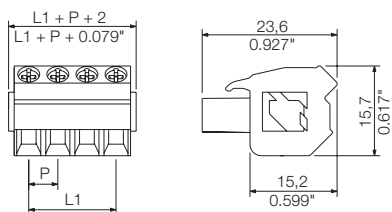


4 mm²

BLZP 5.08HC../225B



Dimensioned drawing



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.



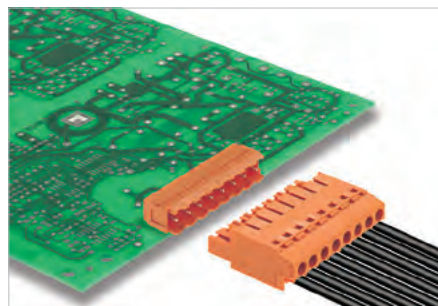
Ordering data

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



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.weidmuller.com

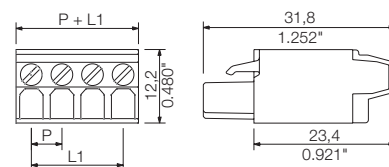
Note:

- 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
- 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	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	
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

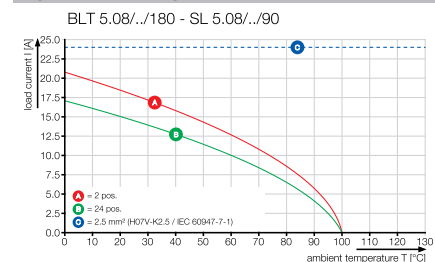
Note: Refer to the Accessories chapter for additional accessories.

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	

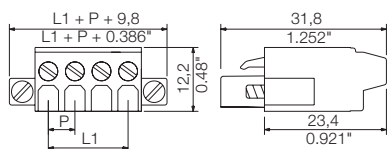
Representative deratings curve



BLT 5.08HC../180F



Dimensioned drawing



Ordering data

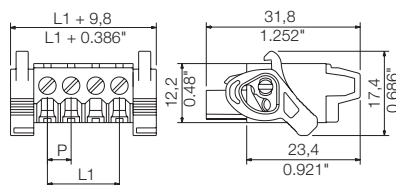
Solder pin length					
Colour		Orange	Black		
Pitch	5.08 mm				
Pol.	L1	(inch)	Qty.	Order No.	Order No.
2	5.08	0.200	90	1843990000	1844220000
3	10.16	0.400	72	1844000000	1844230000
4	15.24	0.600	60	1844010000	1844240000
5	20.32	0.800	48	1844020000	1844250000
6	25.40	1.000	42	1844030000	1844260000
7	30.48	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	1894310000
20	96.52	3.800	12	1890400000	1894330000
21	101.60	4.000	12	1890410000	1894340000
22	106.68	4.200	12	1890420000	1894350000
23	111.76	4.400	12	1890430000	1894360000
24	116.84	4.600	12	1890440000	1894370000

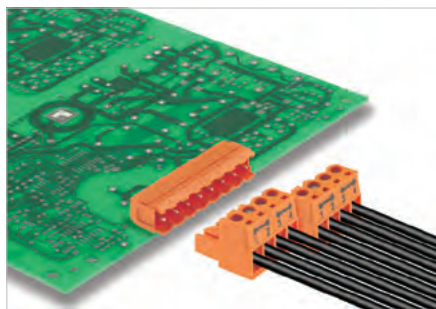
The 2-in-1 contact

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:

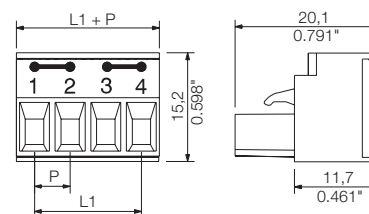
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to 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	mm²	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

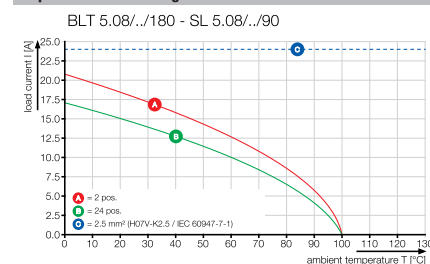
Note: Refer to the Accessories chapter for additional accessories.

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		Orange	Black
Colour			
Pitch	5.08 mm		
Pol.	L1 (inch)	Qty.	Order No.
4	15.24	100	1839770000
			1839780000

Representative deratings curve

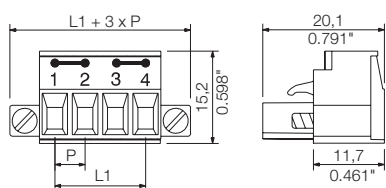


BLZ 5.08/./180F QV2

with cross-connection



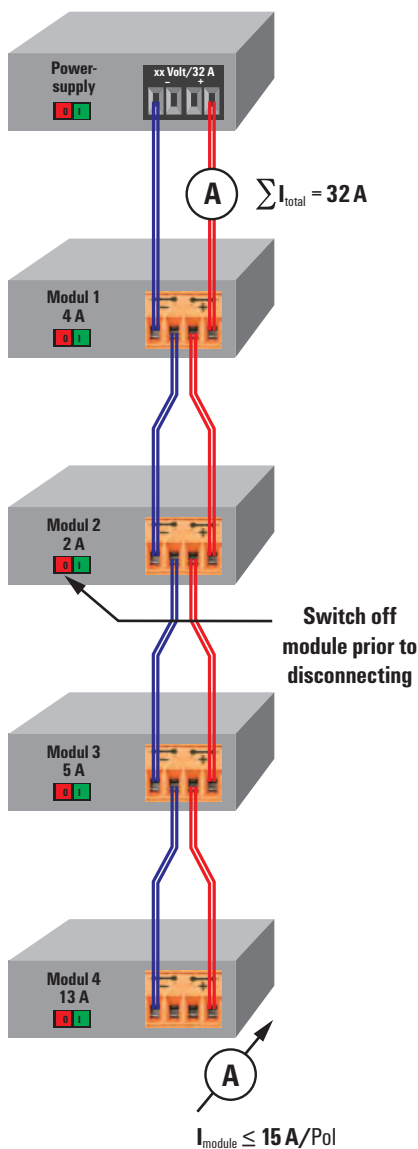
Dimensioned drawing



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

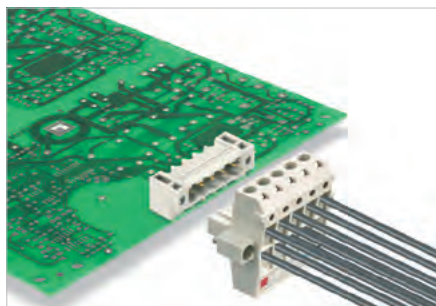
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact 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 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.



E

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.

Product data

IEC: 400 V / 18 A
UL: 300 V / 10 A



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

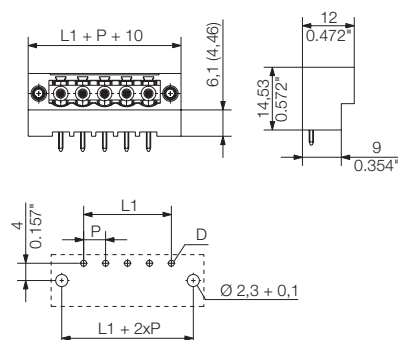
Note:

- 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




Technical data

In compliance with IEC 60664-1 / IEC 61984			
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	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	

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

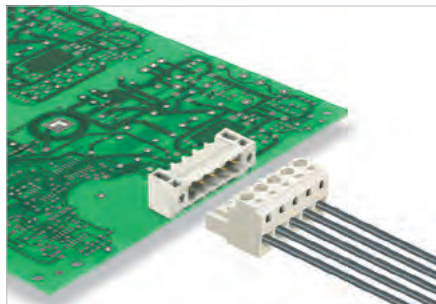
Solder pin length		3.5 mm	
Colour			
Pitch	5.08 mm		
Pol.	L1	(inch)	Qty. Order No.
5	20.32	0.800	50 1933170000
5	20.32	0.800	50 1933160000

5.08

90°

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.weidmuller.com

Note:

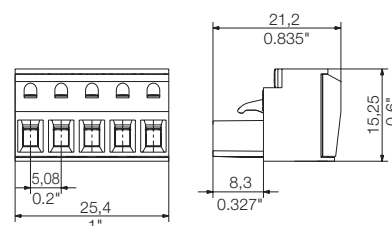
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage 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	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	15 12
At ambient temperature		20°C 40°C
For conductor cross-section	mm ²	2.5
Overtoltage 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

Accessories

Note: Refer to the Accessories chapter for additional accessories.

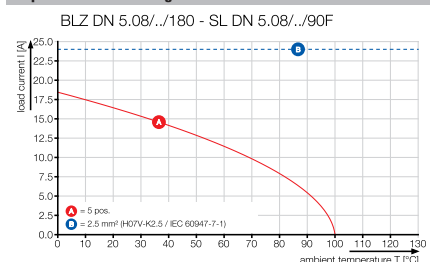
Strain relief		Order No.
	BLZ 5.08 ZE04 BK BX	1652130000
	BLZ 5.08 ZE04 OR BX	1652110000
Coding		
	BLZ/SL KO BK BX	1545710000
	BLZ/SL KO OR BX	1573010000
Screwdriver		
	SDIS 0.6X3.5X100	9008390000
	SDS 0.6X3.5X100	9008330000

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



5.08

180°



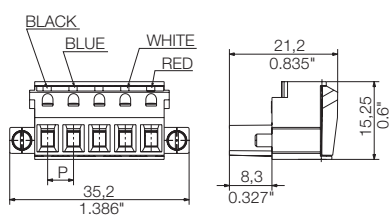
1.5 mm²

BLZ DN 5.08/./180F AU

with test point and connector guide



Dimensioned drawing



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

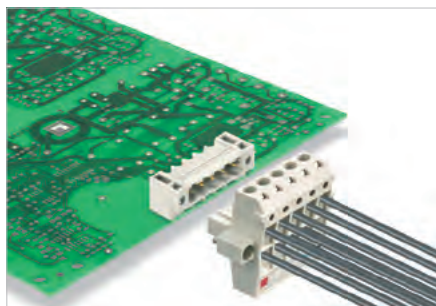
The 2-in-1 contact

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	
Overtoltage 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.weidmuller.com

Note:

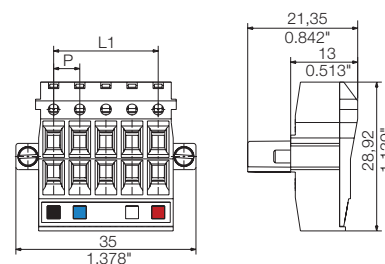
- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- Wire end ferrule with plastic collar to DIN 46228/4
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage 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

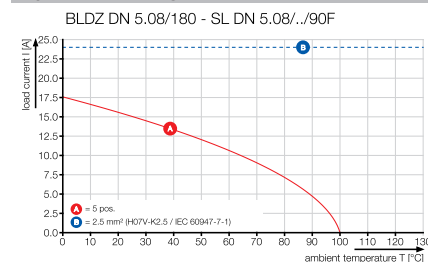
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	Order No.
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



5.08

180°

1.5 mm²

The 2-in-1 contact

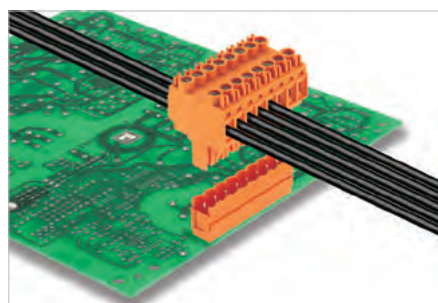
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact 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

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.weidmuller.com

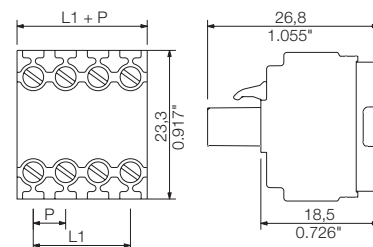
Note:

- 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
- 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
Overtoltage 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	4 4 4

Rated voltage	V	300 300
Rated current	A	10 10
AWG conductor	AWG	26-12
CSA (Use Group)	B C D	4 4 4
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

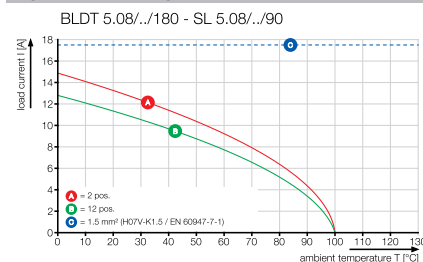
Note: Refer to the Accessories chapter for additional accessories.

Coding	Order No.
BLZ/SL KO BK BX	1545710000
BLZ/SL KO OR BX	1573010000
Screwdriver	Order No.
SDIS 0.6X3.5X100	9008390000
SDS 0.6X3.5X100	9008330000

Ordering data

Solder pin length		Colour	
Colour	Orange	Black	
Pitch	5.08 mm		
Pol.	L1 (inch)	Qty.	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

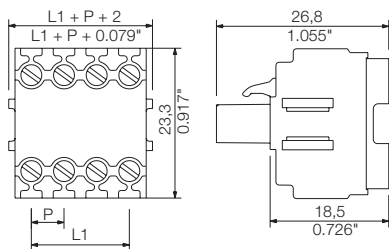
Representative deratings curve



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

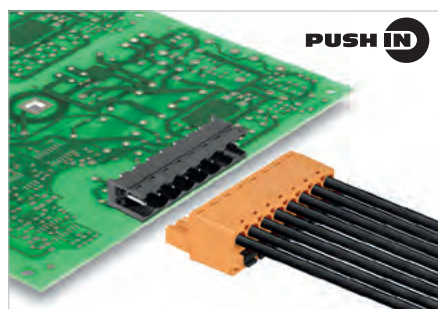
Every pluggable connector covers two contact points and thus must meet two different requirements: First, the wire termination and second, the connection between plug and pin header. Referring to the 5.0x pitch series, Weidmüller offers different wire connection technologies, but one platform contact 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” - 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	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	18.5	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		

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

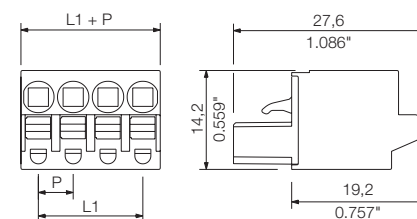
Note:

- 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

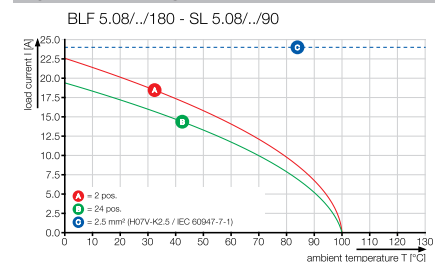
Note: Refer to the Accessories chapter for additional accessories.

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	
Colour	Orange	Black	
Pitch	5.08 mm		
Pol.	L1 (inch)	Qty.	Order No.
2	5.08	180	1013680000
3	10.16	120	1013690000
4	15.24	90	1013710000
5	20.32	72	1013720000
6	25.40	60	1013730000
7	30.48	48	1013740000
8	35.56	42	1013750000
9	40.64	36	1013760000
10	45.72	36	1013770000
11	50.80	30	1013780000
12	55.88	30	1013790000
13	60.96	24	1013810000
14	66.04	24	1013820000
15	71.12	24	1013830000
16	76.20	18	1013840000
17	81.28	18	1013850000
18	86.36	18	1013860000
19	91.44	18	1013870000
20	96.52	18	1013880000
21	101.60	12	1013890000
22	106.68	12	1013910000
23	111.76	12	1013920000
24	116.84	12	1013930000

Representative deratings curve



5.08

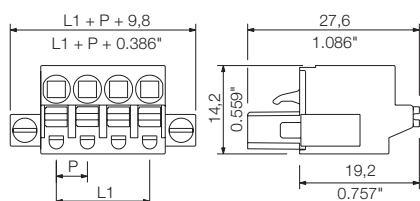
180°

2.5 mm²

BLF 5.08HC../180F



Dimensioned drawing



Ordering data

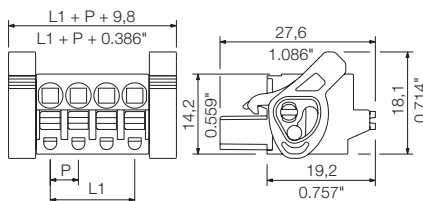
Solder pin length					
Colour		Orange	Black		
Pitch 5.08 mm					
Pol.	L1 (inch)	Qty.	Order No.	Order No.	
2	5.08	0.200	90	1013070000	1012640000
3	10.16	0.400	72	1013090000	1012650000
4	15.24	0.600	60	1013110000	1012660000
5	20.32	0.800	48	1013120000	1012670000
6	25.40	1.000	42	1013130000	1012680000
7	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

BLF 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	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

"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.



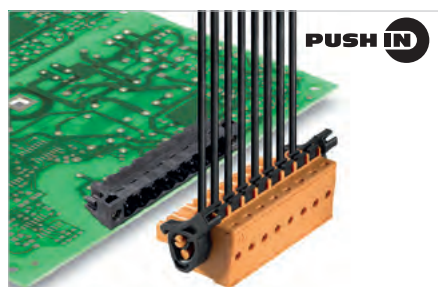
The 2-in-1 contact

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/./90



“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	320
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.weidmuller.com

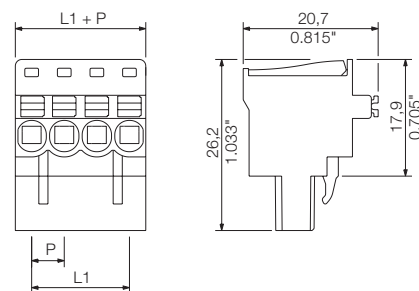
Note:

- 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

BLF 5.08HC/./90



Dimensioned drawing



Accessories

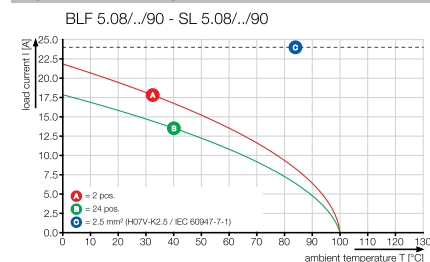
Note: Refer to the Accessories chapter for additional accessories.

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

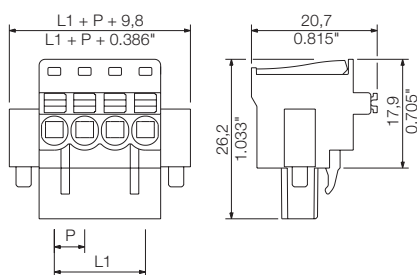
Representative deratings curve



BLF 5.08HC/./90F



Dimensioned drawing

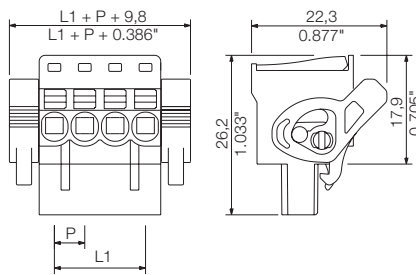


BLF 5.08HC/./90LR

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	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

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 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 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.



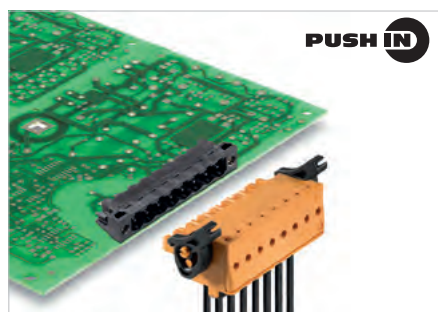
The 2-in-1 contact

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” - 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	320
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

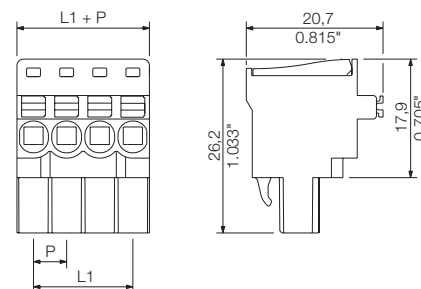
Note:

- 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

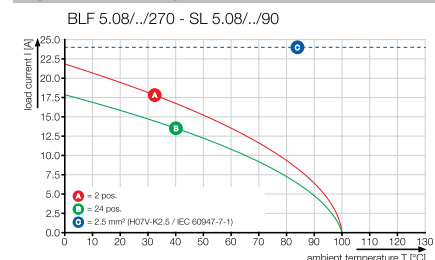
Note: Refer to the Accessories chapter for additional accessories.

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	
Colour	Orange	Black	
Pitch	5.08 mm		
Pol.	L1 (inch)	Qty.	Order No.
2	5.08	180	1982700000
3	10.16	120	1982710000
4	15.24	90	1982720000
5	20.32	72	1982730000
6	25.40	60	1982740000
7	30.48	48	1982750000
8	35.56	42	1982760000
9	40.64	36	1982770000
10	45.72	36	1982780000
11	50.80	30	1982790000
12	55.88	30	1982800000
13	60.96	24	1982810000
14	66.04	24	1982820000
15	71.12	24	1982830000
16	76.20	18	1982840000
17	81.28	18	1982850000
18	86.36	18	1982860000
19	91.44	18	1982870000
20	96.52	18	1982880000

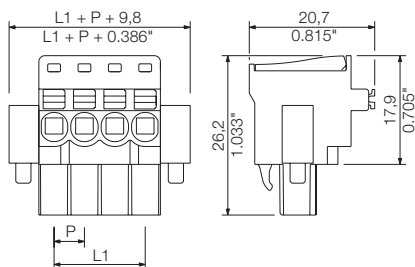
Representative deratings curve



BLF 5.08HC../270F



Dimensioned drawing

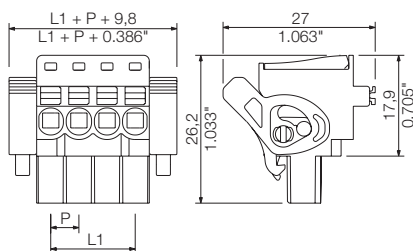


BLF 5.08HC../270LR

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	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

"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.



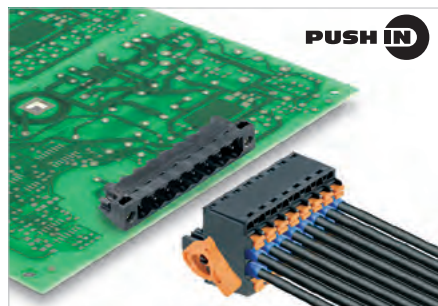
The 2-in-1 contact

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Connectors in 5.08 mm pitch Series BL/SL 5.08

BLDF 5.08/./180



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.weidmuller.com

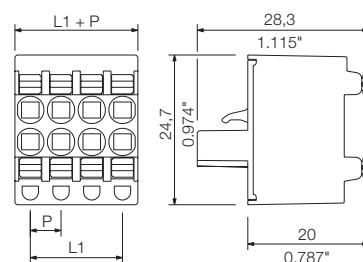
Note:

- 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

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	
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	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.	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

5.08

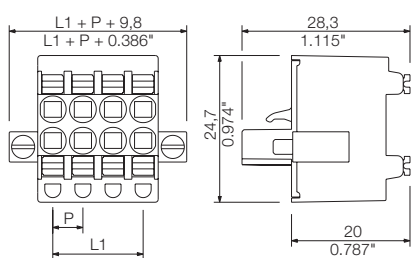
180°

2.5 mm²

BLDF 5.08/./180F



Dimensioned drawing

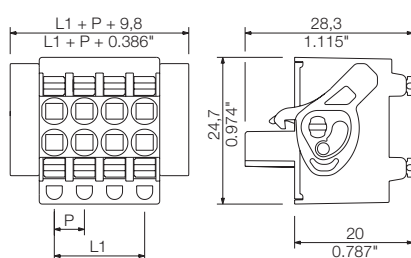


BLDF 5.08/./180LR

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	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

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 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.



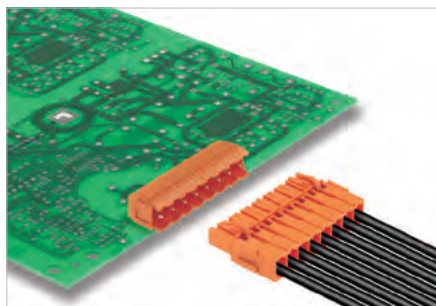
The 2-in-1 contact

Every pluggable connector covers two 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 hybrid 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

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.weidmuller.com

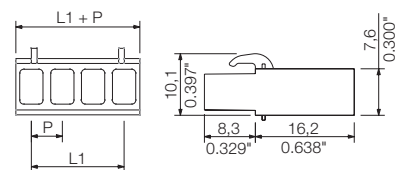
Note:

- 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	mm²		
Stranded H07 V-R		0.5...2.5	
Flexible H05(07) V-K	mm ²		
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

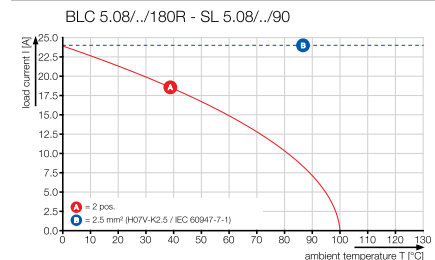
Note: Refer to the Accessories chapter for additional accessories.

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

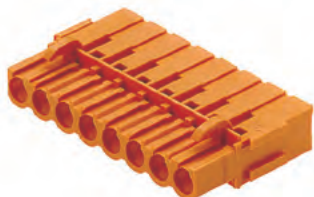
Ordering data

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	

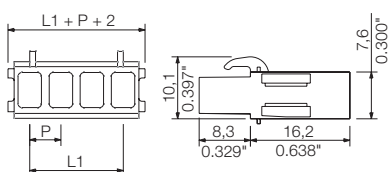
Representative deratings curve



BLC 5.08/.. /180BR



Dimensioned drawing

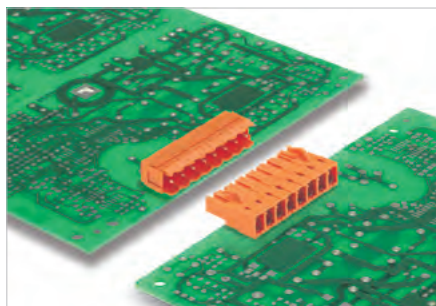


Ordering data

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

BLL 5.08/./90



Female headers for mounting on the circuit board; with 90° 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)
- Available with a screw flange (F).

Product data

IEC: 400 V / 23 A
UL: 300 V / 15 A



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

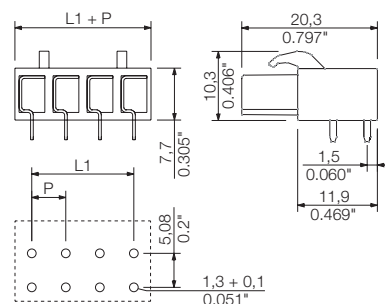
Note:

- 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/./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	23	20
At ambient temperature		20°C	40°C

For conductor cross-section	mm ²		
Overtoltage category		III	III
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
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Rated current	A	15	10
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AWG conductor	AWG		
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CSA (Use Group)	B	C	D
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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

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

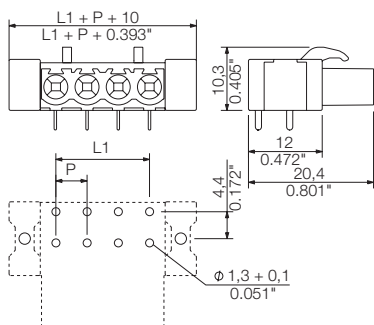
5.08

90°

BLL 5.08/./90FI



Dimensioned drawing

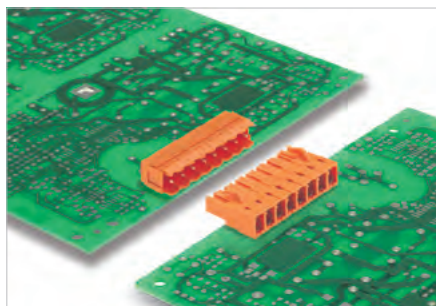


Ordering data

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)

Product data

IEC: 400 V / 23 A
UL: 300 V / 15 A



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

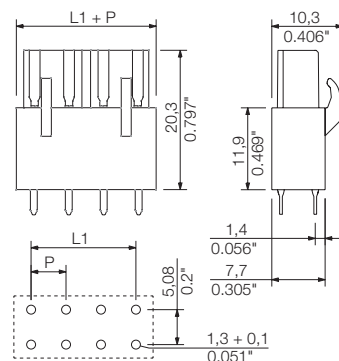
Note:

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- 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



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		
Overtoltage 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	

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	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

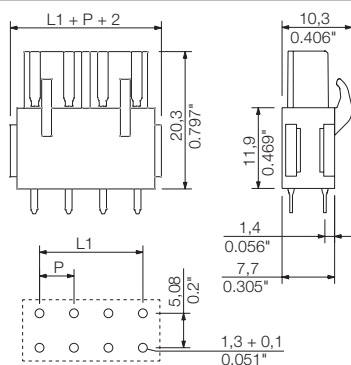
5.08

180°

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



