



New device connection technology 5.00 and 5.08 pitch

Product Information

Electrical Connectivity

Device / PCB

**SL-SMT 5.0x**

Reflow compatible pin headers

4

**BLF and BLDF 5.0x**

PCB-connectors with PUSH IN connection technology

38

**BLZP 5.0x**

Pluggable, universal screw connection

54

SL-SMT 5.0x and SL-SMarT 5.0x

The integrative element to get fully connected to the reflow process

“Designed for SMT/THR-production”

Innovative, application-tailored pin headers, made of high temperature-insulating material LCP (Liquid Cristal Polymer). That allows a seamlessly integration of connection systems into the automated Reflow-production process.

The wide range of reflow-compatible components benefits through a significant higher production efficiency. That means a reduction of manufacturing costs by 30 % – while maintaining a higher process reliability as well as still keeping the high quality level.



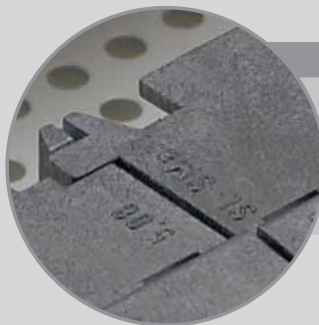
Design-oriented integration

Adaptable connection systems means, that the color of the connectors follows the design of the devices – and not the other way around. Only Weidmüller offers the choice between orange, black, grey or green color with the reflow-compatible high temperature material LCP (Liquid Christal Polymer)



Budget-oriented fastening

Additional benefits and less costs: The patented solder flange reduces 3 production steps to 1 and protects the soldered connections from permanent mechanical stress. No manual assembly, no tightening of the fixing screw - the fastening to the PCB takes automatically place during the soldering process.



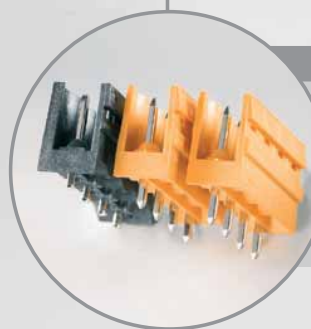
SL-SMarT: automation-oriented design

Every needed pole number – realized by only 2 articles. The patented concept of self-setting 2- and 3- pole pin header modules reduces the diversity and the costs. The processability without pick and place pad increases the process reliability and efficiency.



Process-oriented delivery

The smart tape concept was designed for the different pole numbers and product sizes. It reduces the needed feeder space at the pick & place machine and guarantees a safe fixation of the pin headers.



Application-oriented specification

The 1.5 mm short solder pin enables a dual side assembly of the PCB and reduces the lift up distance of the pick & place machine. Alternative: 3.2 mm pins for a PCB thickness of more than 1.6 mm. The octagonal, planar pin geometry allows a reliable AOI (Automatic Optical Inspection).

PCB connection technology for your SMT process...



... is Weidmüller's speciality:

Reflow-compatible PCB products

Our PCB pin headers and terminals are:

- Made of plastic with high temperature stability
- In an innovative component design
- Compatible with the SMT process

For you, SMT/THR PCB products from Weidmüller mean:

- Increased production efficiency
- A reduction of up to 30% on your manufacturing costs
- Optimisation of your workflow using automatic double-sided SMT PCB assembly
- Greater mechanical stability than SMD components with a gull-wing connection

SMT/THR PCB products from Weidmüller are suitable for lead-free reflow processes up to 290 °C.

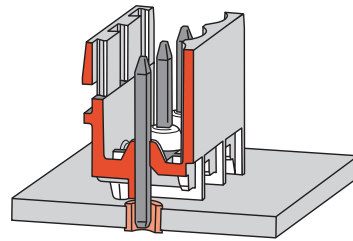
Future compatibility that lasts

- 100% RoHS-compliant
- Halogen-free
- Recyclable



SMT/THR... totally consistent!

THR components are made from liquid crystal polymer (LCP), a high-performance plastic.

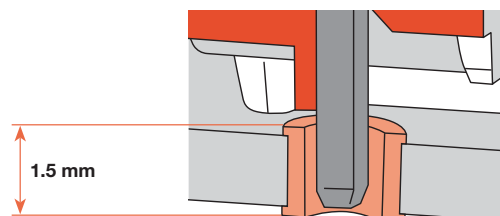


The advantages for you:

- Maximum dimensional stability and pitch accuracy in the assembly process
- High temperature stability – in all conventional and lead-free soldering methods
- AExpansion behaviour similar to standard PCB materials
- Maximum design freedom: available with 2 to 48 poles

SMT/THR... absolutely extraordinary!

THR components use short pins with a length of just 1.5 mm.

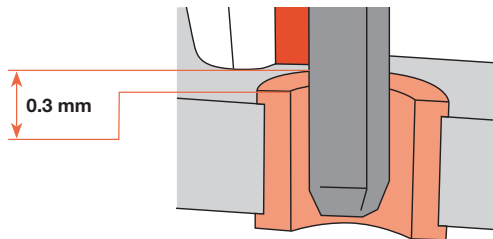


The advantages for you:

- Double-sided assembly for PCD widths ≥ 1.5 mm
- Lower costs by minimising the paste volume
- Simplified paste printing process
- The soldering fluxes turn into gas without complications which, together with the perfect soldering temperature, makes the process faster

SMT/THR... unmistakably innovative!

THR components have integrated space for paste with a stand-off height of 0.3 mm.

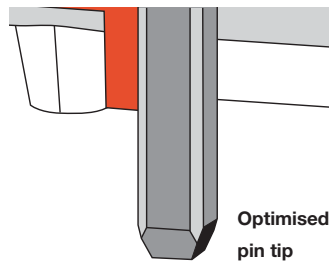


The advantages for you:

- Simple template design for standard layout
- Design compatible with standard pin connectors as there is no additional stand-off

SMT/THR... clearly optimised for your application!

THR components are fitted with octagonal pins whose tips have been optimised for processing.

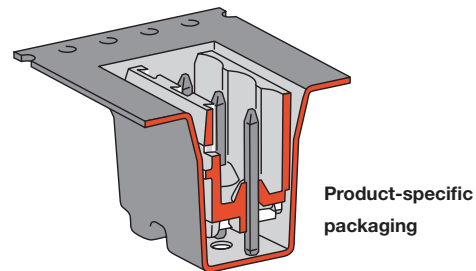


The advantages for you:

- Minimisation of the through-hole diameter and therefore also the paste volume
- Better visibility in vision systems thanks to large reflective surfaces
- Minimisation of the placement force needed for the pick and place machine to set the pins in the paste
- Improved stability for the soldering joint

SMT/THR... quite simply intelligent!

THR components come in intelligently designed packaging – suitable for various numbers of poles.



The advantages for you:

- Just one feeder module for different numbers of pins
- Compatible with all standard pick and place systems
- Shallow packaging
- ESD-compliant

Impressive variety

You can find our whole product range in the latest Weidmüller catalogues. Ask your sales engineer or take a look at our website:

www.weidmueller.com

We can also supply product sketches as 2-D and 3-D data. Have a look at:

www.partserver.com

Do you want to optimise your production workflow for automatic PCB assembly? Then you've come to the right place!

www.smt-technology.com

SL-SMT 5.08/90
SL-SMT 5.00/90

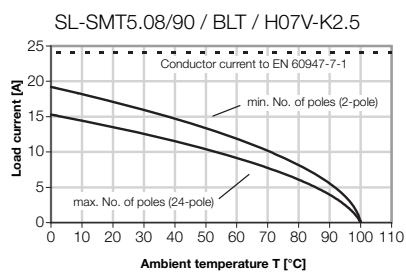
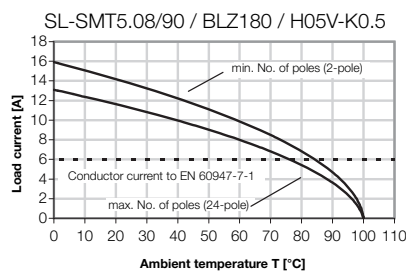
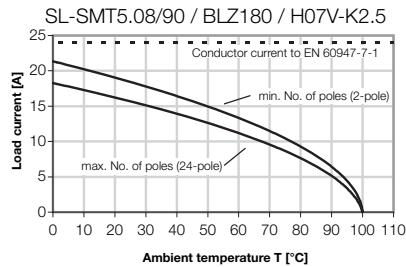
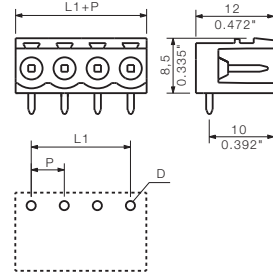

High-temperature-resistant, 90° angled, open male connector. Packed in box or tape. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors can be labelled and coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

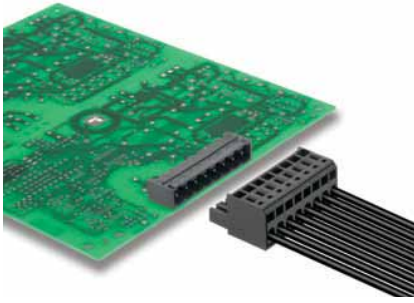
Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²		
Solid H05(07) V-U	mm ²		
Stranded H07 V-R	mm ²		
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 at ambient temperature			
	A	20°C	40°C
		19	16
Overvoltage category			
		III	III
Pollution severity			
		3	2
		2	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL 1059 rated data			
		B	C
Nominal voltage	V	300	300
Rated current	A	15	10
AWG conductor			
CSA C22.2 rated data			
		B	C
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			
Material data			
Type of insulating material		LCP GF	
Flammability class acc. UL94		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Hole diameter D = 1.4±0.1mm
- Hole diameter D = 1.5±0.1mm for 9 poles
- P on drg. = 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.

Derating curve

SL-SMT 5.08/90 Box
SL-SMT 5.00/90 Box

Ordering data

Solder pin length		1.5 mm	3.2 mm
Colour of plastic		black	black
Pitch 5.08 mm			
Poles	L1 mm (inch)	Qty.	Order No.
2	5.08 (0.200)	100	1774762001
3	10.16 (0.400)	100	1774772001
4	15.24 (0.600)	100	1774782001
5	20.32 (0.800)	50	1774792001
6	25.40 (1.000)	50	1774802001
7	30.48 (1.200)	50	1774812001
8	35.56 (1.400)	50	1774822001
9	40.64 (1.600)	50	1774832001
10	45.72 (1.800)	50	1774842001
11	50.80 (2.000)	50	1774852001
12	55.88 (2.200)	50	1774862001
13	60.96 (2.400)	50	1774872001
14	66.04 (2.600)	50	1774882001
15	71.12 (2.800)	50	1774892001
16	76.20 (3.000)	50	1774902001
17	81.28 (3.200)	20	1774912001
18	86.36 (3.400)	20	1774922001
19	91.44 (3.600)	20	1774932001
20	96.52 (3.800)	20	1774942001
21	101.60 (4.000)	20	1774952001
22	106.68 (4.200)	20	1774962001
23	111.76 (4.400)	20	1774972001
24	116.84 (4.600)	20	1774982001
Pitch 5.00 mm			
Poles	L1 mm (inch)	Qty.	Order No.
2	5.00 (0.197)	100	1796930000
3	10.00 (0.394)	100	1796940000
4	15.00 (0.591)	100	1796950000
5	20.00 (0.787)	50	1796960000
6	25.00 (0.984)	50	1796970000
7	30.00 (1.181)	50	1796980000
8	35.00 (1.378)	50	1796990000
9	40.00 (1.575)	50	1797000000
10	45.00 (1.772)	50	1797010000
11	50.00 (1.969)	50	1797020000
12	55.00 (2.165)	50	1797030000
13	60.00 (2.362)	50	1797040000
14	65.00 (2.559)	50	1797050000
15	70.00 (2.756)	50	1797060000
16	75.00 (2.953)	50	1797070000
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 5.08/90G
SL-SMT 5.00/90G


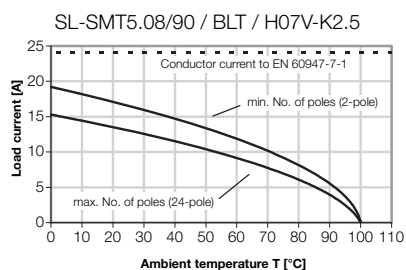
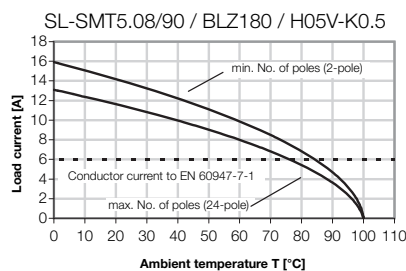
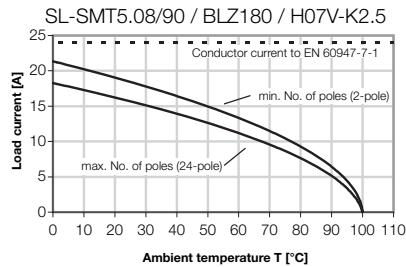
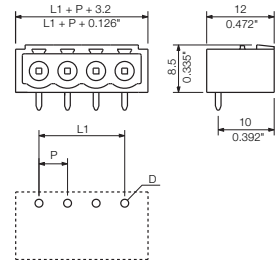
High-temperature-resistant, 90° angled, closed end male connector. Packed in box or tape on reel. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors can be labelled and coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid H05(07) V-U	mm ²			
Stranded H07 V-R	mm ²			
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 at ambient temperature				
	A	20°C	40°C	
		19	16	
Overvoltage category				
		III	III	II
Pollution severity				
		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL 1059 rated data				
		B	C	D
Nominal voltage	V	300	300	300
Rated current	A	15		10
AWG conductor				
CSA C22.2 rated data				
		B	C	D
Rated voltage	V	300	300	300
Rated current	A	15		10
AWG conductor				
Material data				
Type of insulating material		LCP GF		
Flammability class acc. UL94		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Hole diameter D = 1.4±0.1mm
- Hole diameter D = 1.5±0.1mm for 9 poles
- P on drg. = 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.

Derating curve

SL-SMT 5.08/90G Box
SL-SMT 5.00/90G Box

Ordering data

Solder pin length			1.5 mm	3.2 mm
Colour of plastic			black	black
Pitch 5.08 mm				
Poles	L1 mm	(inch)	Qty.	Order No.
2	5.08	(0.200)	100	1775002001
3	10.16	(0.400)	100	1775012001
4	15.24	(0.600)	100	1775022001
5	20.32	(0.800)	50	1775032001
6	25.40	(1.000)	50	1775042001
7	30.48	(1.200)	50	1775052001
8	35.56	(1.400)	50	1775062001
9	40.64	(1.600)	50	1775072001
10	45.72	(1.800)	50	1775082001
11	50.80	(2.000)	50	1775092001
12	55.88	(2.200)	50	1775102001
13	60.96	(2.400)	50	1775112001
14	66.04	(2.600)	50	1775122001
15	71.12	(2.800)	50	1775132001
16	76.20	(3.000)	50	1775142001
17	81.28	(3.200)	20	1775152001
18	86.36	(3.400)	20	1775162001
19	91.44	(3.600)	20	1775172001
20	96.52	(3.800)	20	1775182001
21	101.60	(4.000)	20	1775192001
22	106.68	(4.200)	20	1775202001
23	111.76	(4.400)	20	1775212001
24	116.84	(4.600)	20	1775222001
Pitch 5.00 mm				
Poles	L1 mm	(inch)	Qty.	Order No.
2	5.00	(0.197)	100	1797080000
3	10.00	(0.394)	100	1797090000
4	15.00	(0.591)	100	1797100000
5	20.00	(0.787)	50	1797110000
6	25.00	(0.984)	50	1797120000
7	30.00	(1.181)	50	1797130000
8	35.00	(1.378)	50	1797140000
9	40.00	(1.575)	50	1797150000
10	45.00	(1.772)	50	1797160000
11	50.00	(1.969)	50	1797170000
12	55.00	(2.165)	50	1797180000
13	60.00	(2.362)	50	1797190000
14	65.00	(2.559)	50	1797200000
15	70.00	(2.756)	50	1797210000
16	75.00	(2.953)	50	1797220000
17	80.00	(3.150)	20	1840270000
18	85.00	(3.346)	20	1840280000
19	90.00	(3.543)	20	1840290000
20	95.00	(3.740)	20	1840300000
21	100.00	(3.937)	20	1840310000
22	105.00	(4.134)	20	1840320000
23	110.00	(4.331)	20	1840330000
24	115.00	(4.528)	20	1840340000

SL-SMT 5.08/90G Tape
SL-SMT 5.00/90G Tape

Accessories



Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length	1.5 mm
Colour of plastic	black

Pitch 5.08 mm				
Poles	L1 mm	(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



Marking strips

See chapter accessories



Compartment partition element

See chapter accessories

Pitch 5.00 mm				
Poles	L1 mm	(inch)	Qty.	Order No.
2	5.00	(0.197)	350	1797690000
3	10.00	(0.394)	350	1797700000
4	15.00	(0.591)	350	1797710000
5	20.00	(0.787)	350	1797720000
6	25.00	(0.984)	350	1797730000
7	30.00	(1.181)	350	1797740000



Floodlight indicator

See chapter accessories



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

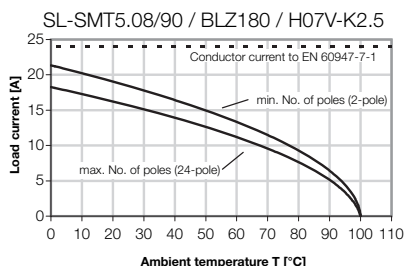
SL-SMT 5.08/90F



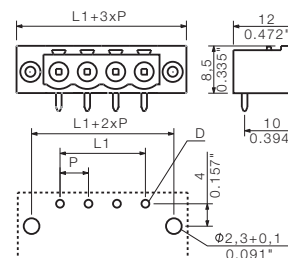
High-temperature-resistant, 90° angled, male connector with flange. Packed in box. 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors can be labelled and coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

Derating curve



SL-SMT 5.08/90F Box

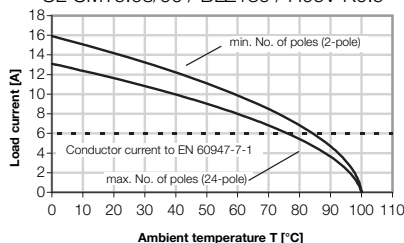


Technical data

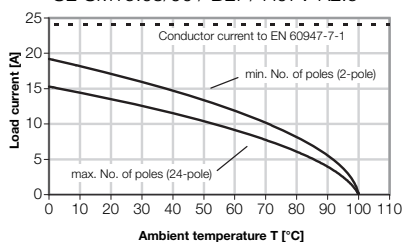
Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm²		
Solid H05(07) V-U	mm²		
Stranded H07 V-R	mm²		
Flexible H05(07) V-K	mm²		
Flexible with ferrule	mm²		
Ferrule with plastic collar	mm²		
Stripping length	mm		
Screwdriver blade	mm		
according to norm			
Tightening torque range	Nm		
Rated current at ambient temperature			
	A	20°C	40°C
		19	16
Overvoltage category			
		III	III II
Pollution severity			
		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL 1059 rated data			
		B	C D
Nominal voltage	V	300	300
Rated current	A	15	10
AWG conductor			
CSA C22.2 rated data			
		B	C D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			
Material data			
Type of insulating material		LCP GF	
Flammability class acc. UL94		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Hole diameter D = 1.4+0.1mm
- Hole diameter D = 1.5+0.1mm for 9 poles
- P on drg. = 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-SMT5.08/90 / BLZ180 / H05V-K0.5



SL-SMT5.08/90 / BLT / H07V-K2.5



Ordering data

Solder pin length				3.2 mm
Colour of plastic				black
Pitch 5.08 mm				
Poles	L1 mm	(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

Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



Marking strips

See chapter accessories



Compartment partition element

See chapter accessories



Floodlight indicator

See chapter accessories



SL-SMT 5.08/90LF
SL-SMT 5.00/90LF


High-temperature-resistant, 90° angled, male connector with solder flange. Packed in box or tape. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors can be labelled and coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

Technical data
Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²
Solid H05(07) V-U	mm ²
Stranded H07 V-R	mm ²
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 at ambient temperature

	20°C	40°C
A	19	16

Overvoltage category

	III	III	II
	3	2	2

Pollution severity

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

UL 1059 rated data

	B	C	D
Nominal voltage	V	300	300
Rated current	A	15	10
AWG conductor			

CSA C22.2 rated data

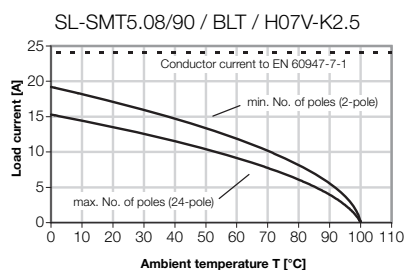
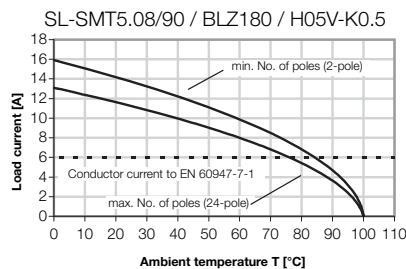
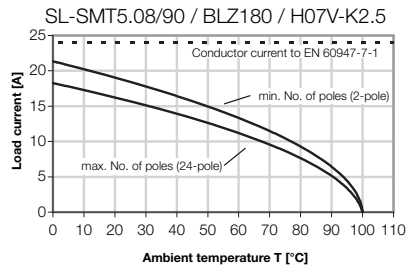
V	300	300
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Material data

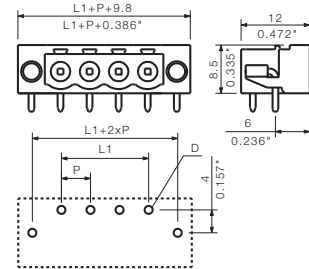
Type of insulating material	LCP GF
Flammability class acc. UL94	V-0
Contact base material	CuSn
Material of contact surface	tinned

Information

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Hole diameter D = 1.4±0.1mm
- Hole diameter D = 1.5±0.1mm for 9 poles
- P on drg. = 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.

Derating curve

SL-SMT 5.08/90LF Box
SL-SMT 5.00/90LF Box

additionally with solder flange


Ordering data

Solder pin length	1.5 mm	3.2 mm
Colour of plastic	black	black

Pitch 5.08 mm

Poles	L1 mm	(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	1780520000
14	66.04	(2.600)	50	1775352001	1780530000
15	71.12	(2.800)	50	1775362001	1780540000
16	76.20	(3.000)	50	1775372001	1780550000
17	81.28	(3.200)	20	1775382001	1780560000
18	86.36	(3.400)	20	1775392001	1780570000
19	91.44	(3.600)	20	1775402001	1780580000
20	96.52	(3.800)	20	1775412001	1780590000
21	101.60	(4.000)	20	1775422001	1780600000
22	106.68	(4.200)	20	1775432001	1780610000
23	111.76	(4.400)	20	1775442001	1780620000
24	116.84	(4.600)	20	1775452001	1780630000

Pitch 5.00 mm

Poles	L1 mm	(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	40.00	(1.575)	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 5.08/90LF Tape
SL-SMT 5.00/90LF Tape

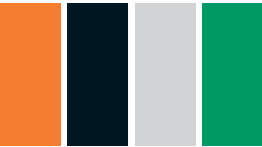
additionally with solder flange



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



Marking strips

See chapter accessories



Compartment partition element

See chapter accessories



Floodlight indicator

See chapter accessories



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 of plastic	black

Poles	L1 mm	(inch)	Qty.	Order No.	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	

Poles	L1 mm	(inch)	Qty.	Order No.	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

SL-SMT 5.08/180
SL-SMT 5.00/180

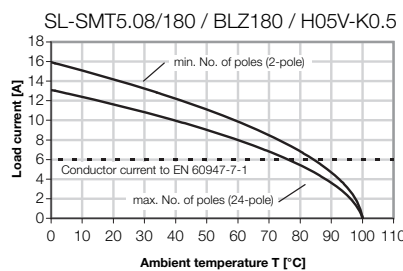
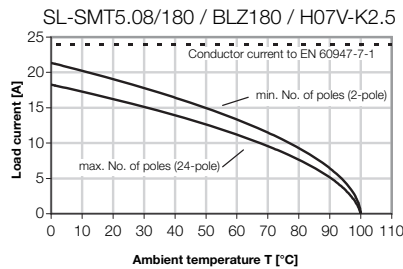
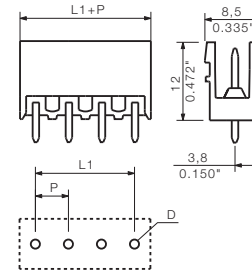

High-temperature-resistant, straight, open ended male connector. Packed in box or tape on reel. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors can be labelled and coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

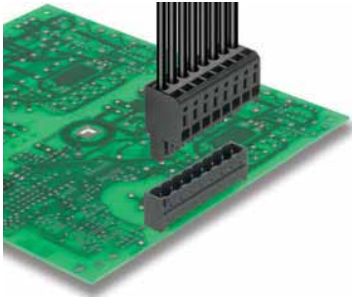
Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid H05(07) V-U	mm ²			
Stranded H07 V-R	mm ²			
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 at ambient temperature				
	A	20°C	40°C	
		19	16	
Overvoltage category				
		III	III	II
Pollution severity				
		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL 1059 rated data				
		B	C	D
Nominal voltage	V	300	300	300
Rated current	A	15		10
AWG conductor				
CSA C22.2 rated data				
		B	C	D
Rated voltage	V	300	300	
Rated current	A	15		10
AWG conductor				
Material data				
Type of insulating material		LCP GF		
Flammability class acc. UL94		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Hole diameter D = 1.4+0.1mm
- Hole diameter D = 1.5+0.1mm for 9 poles
- P on drg. = 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.

Derating curve

SL-SMT 5.08/180 Box
SL-SMT 5.00/180 Box

Ordering data

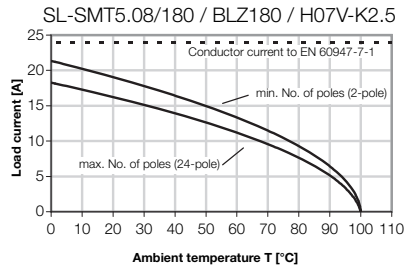
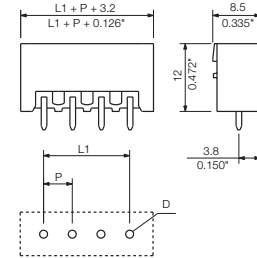
Solder pin length			1.5 mm	3.2 mm	
Colour of plastic			black	black	
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1775522001	1837980000
3	10.16	(0.400)	100	1775572001	1837990000
4	15.24	(0.600)	100	1775592001	1838000000
5	20.32	(0.800)	50	1775632001	1838010000
6	25.40	(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
Pitch 5.00 mm					
Poles	L1 mm	(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 5.08/180G
SL-SMT 5.00/180G


High-temperature-resistant, straight, closed ended. Packed in box or tape on reel. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors can be labelled and coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

Derating curve


SL-SMT 5.08/180G Box
SL-SMT 5.00/180G Box


Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm ²
Solid H05(07) V-U	mm ²
Stranded H07 V-R	mm ²
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
at ambient temperature

	20°C	40°C
A	19	16

Overvoltage category

Pollution severity

	III	III	II
	3	2	2

Rated voltage

Rated impulse voltage

	V	320	400
	4	4	4

UL 1059 rated data

	B	C	D
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Nominal voltage

Rated current

AWG conductor

	V	300	300
	A	15	10

CSA C22.2 rated data

	B	C	D
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Rated voltage

Rated current

AWG conductor

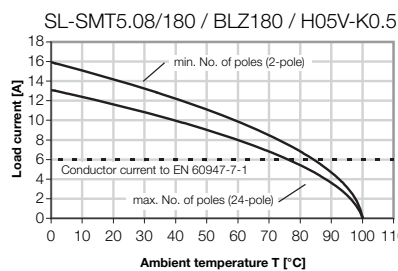
	V	300	300
	A	15	10

Material data

Type of insulating material	LCP GF
Flammability class acc. UL94	V-0
Contact base material	CuSn
Material of contact surface	tinned

Information

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Hole diameter D = 1.4+0.1mm
- Hole diameter D = 1.5+0.1mm for 9 poles
- P on drg. = 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.



Ordering data

Solder pin length	1.5 mm	3.2 mm
Colour of plastic	black	black

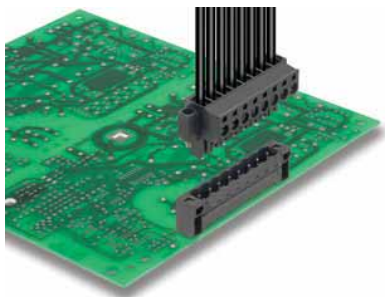
Pitch 5.08 mm

Poles	L1 mm	(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	1776032001	1838320000
14	66.04	(2.600)	50	1776042001	1838330000
15	71.12	(2.800)	50	1776052001	1838340000
16	76.20	(3.000)	50	1776062001	1838350000
17	81.28	(3.200)	20	1776072001	1838360000
18	86.36	(3.400)	20	1776082001	1838370000
19	91.44	(3.600)	20	1776092001	1838380000
20	96.52	(3.800)	20	1776102001	1838390000
21	101.60	(4.000)	20	1776112001	1838400000
22	106.68	(4.200)	20	1776122001	1838410000
23	111.76	(4.400)	20	1776132001	1838420000
24	116.84	(4.600)	20	1776142001	1838430000

Pitch 5.00 mm

Poles	L1 mm	(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 5.08/180F



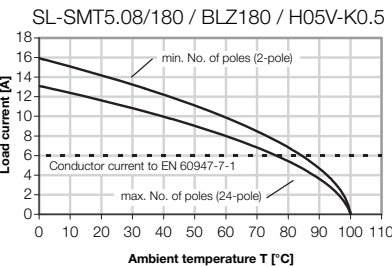
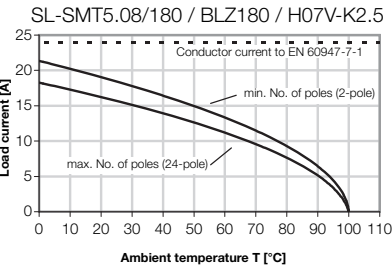
High-temperature-resistant, straight, male connector with flange. Packed in a box or tape on reel. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors can be labelled and coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

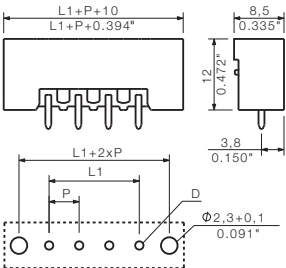
Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²			
Solid H05(07) V-U				
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²			
Flexible with ferrule	mm²			
Ferrule with plastic collar	mm²			
Stripping length	mm			
Screwdriver blade	mm			
	according to norm			
Tightening torque range	Nm			
Rated current at ambient temperature		20°C	40°C	
	A	19	16	
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL 1059 rated data		B	C	D
Nominal voltage	V	300	300	
Rated current	A	15	10	
AWG conductor				
CSA C22.2 rated data		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor				
Material data				
Type of insulating material				
Flammability class acc. UL94				
Contact base material				
Material of contact surface				
Information				

Derating curve



SL-SMT 5.08/180F Box



Ordering data

Solder pin length				3.2 mm
Colour of plastic				black
Pitch 5.08 mm				
Poles	L1 mm	(inch)	Qty.	Order No.
2	5.08	(0.200)	100	1837860000
3	10.16	(0.400)	100	1820600000
4	15.24	(0.600)	100	1837870000
5	20.32	(0.800)	50	1820770000
6	25.40	(1.000)	50	1820610000
7	30.48	(1.200)	50	1837880000
8	35.56	(1.400)	50	1820620000
9	40.64	(1.600)	50	1837890000
10	45.72	(1.800)	50	1820780000
11	50.80	(2.000)	50	1837900000
12	55.88	(2.200)	50	1820630000
13	60.96	(2.400)	50	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

Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



Marking strips

See chapter accessories



Compartment partition element

See chapter accessories



SL-SMT 5.08/180LF
SL-SMT 5.00/180LF

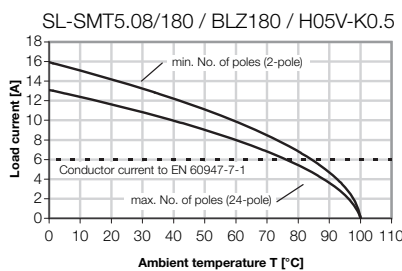
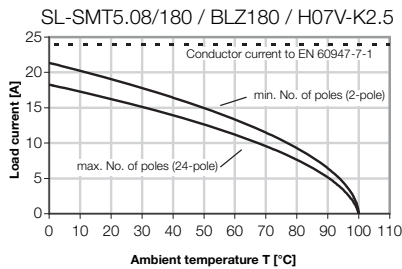

High-temperature-resistant, straight, male connector with solder flange. Packed in a box or tape on reel. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors can be labelled and coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

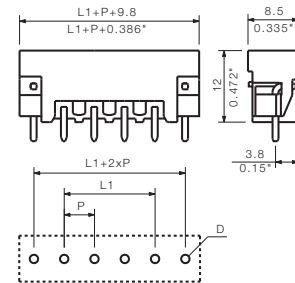
Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid H05(07) V-U	mm ²			
Stranded H07 V-R	mm ²			
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 at ambient temperature				
	A	20°C	40°C	
		19	16	
Overvoltage category				
		III	III	II
Pollution severity				
		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL 1059 rated data				
		B	C	D
Nominal voltage	V	300		300
Rated current	A	15		10
AWG conductor				
CSA C22.2 rated data				
		B	C	D
Rated voltage	V	300		300
Rated current	A	15		10
AWG conductor				
Material data				
Type of insulating material		LCP GF		
Flammability class acc. UL94		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Hole diameter D = 1.4+0.1mm
- Hole diameter D = 1.5+0.1mm for 9 poles
- P on drg. = 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.

Derating curve

SL-SMT 5.08/180LF Box
SL-SMT 5.00/180LF Box

additionally with solder flange


Ordering data

Solder pin length				1.5 mm	3.2 mm
Colour of plastic				black	black
Pitch 5.08 mm					
Poles	L1 mm	(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	1776572001	1838640000
23	111.76	(4.400)	20	1776582001	1838650000
24	116.84	(4.600)	20	1776592001	1838660000
Pitch 5.00 mm					
Poles	L1 mm	(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 5.08/180LF Tape
SL-SMT 5.00/180LF Tape



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length	1.5 mm
Colour of plastic	black

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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	



Marking strips

See chapter accessories



Compartment partition element

See chapter accessories



Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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

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.



SL-SMT 5.08/270 GL



High-temperature-resistant, 270° angled, low, closed ended male connector. Packed in a box or tape on reel. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors can be labelled and coded.

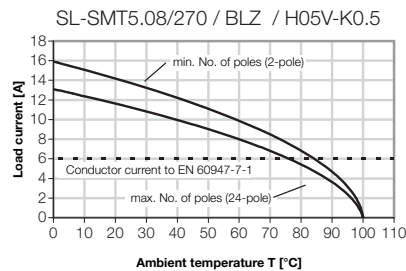
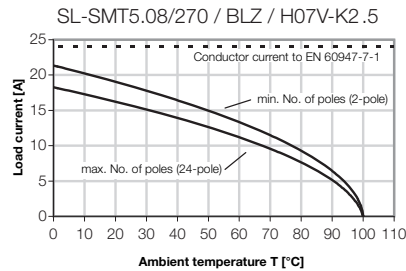
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

Technical data

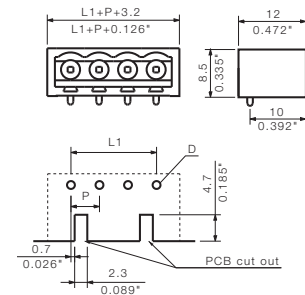
Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²		
Solid H05(07) V-U	mm ²		
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
according to norm			
Tightening torque range	Nm		
Rated current at ambient temperature		20°C	40°C
A		19	16
Overvoltage category		III	III
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL 1059 rated data		B	C
Nominal voltage	V	300	300
Rated current	A	15	10
AWG conductor			
CSA C22.2 rated data		B	C
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			
Material data			
Type of insulating material		LCP GF	
Flammability class acc. UL94		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Information			

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Hole diameter D = 1.4+0.1mm
- Hole diameter D = 1.5+0.1mm for 9 poles
- P on drg. = 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.

Derating curve



SL-SMT 5.08/270 GL Box



Ordering data

Solder pin length	1.5 mm	3.2 mm		
Colour of plastic	black	black		
Pitch 5.08 mm				
Poles	L1 mm (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 5.08/270 GL Tape



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



Marking strips

See chapter accessories



Compartment partition element

See chapter accessories



Ordering data

Solder pin length	1.5 mm	3.2 mm
Colour of plastic	black	black

Pitch 5.08 mm

Poles1.1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08 (0.200)	350	1877740000	1877880000
3	10.16 (0.400)	350	1877750000	1877890000
4	15.24 (0.600)	350	1877760000	1877900000
5	20.32 (0.800)	350	1877770000	1877910000
6	25.40 (1.000)	350	1877780000	1877920000
7	30.48 (1.200)	350	1877790000	1877930000
8	35.56 (1.400)	350	1877800000	1877940000

[illegible]

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

SL-SMT 5.08/270 GH



High-temperature-resistant, 270° angled, high, closed ended male connector. Packed in a box or tape on reel. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors can be labelled and coded.

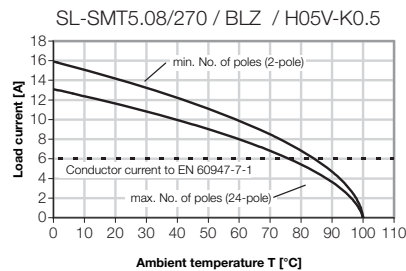
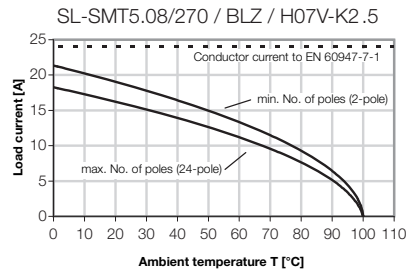
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

Technical data

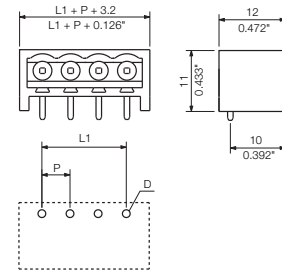
Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²		
Solid H05(07) V-U	mm ²		
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²		
Flexible with ferrule	mm ²		
Ferrule with plastic collar	mm ²		
Stripping length	mm		
Screwdriver blade	mm		
according to norm			
Tightening torque range	Nm		
Rated current at ambient temperature			
	A	20°C	40°C
		19	16
Overvoltage category			
		III	III
Pollution severity			
		3	2
		2	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
		4	4
UL 1059 rated data			
		B	C
Nominal voltage	V	300	300
Rated current	A	15	10
AWG conductor			
CSA C22.2 rated data			
		B	C
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			
Material data			
Type of insulating material		LCP GF	
Flammability class acc. UL94		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Information			

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Hole diameter D = 1.4+0.1mm
- Hole diameter D = 1.5+0.1mm for 9 poles
- P on drg. = 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.

Derating curve



SL-SMT 5.08/270 GH Box



Ordering data

Solder pin length		1.5 mm	3.2 mm
Colour of plastic		black	black
Pitch 5.08 mm			
Poles	L1 mm (inch)	Qty.	Order No.
2	5.08 (0.200)	100	1876340000
3	10.16 (0.400)	100	1877010000
4	15.24 (0.600)	100	1877030000
5	20.32 (0.800)	50	1877040000
6	25.40 (1.000)	50	1877050000
7	30.48 (1.200)	50	1877060000
8	35.56 (1.400)	50	1877080000

SL-SMT 5.08/270 GH Tape



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length	1.5 mm	3.2 mm
Colour of plastic	black	black

Pitch 5.08 mm

Poles1.1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08 (0.200)	335	1877560000	1877810000
3	10.16 (0.400)	335	1877600000	1877820000
4	15.24 (0.600)	335	1877610000	1877830000
5	20.32 (0.800)	335	1877620000	1877840000
6	25.40 (1.000)	335	1877630000	1877850000
7	30.48 (1.200)	335	1877640000	1877860000
8	35.56 (1.400)	150	1877650000	1877870000



Marking strips

See chapter accessories



Compartment partition element

See chapter accessories



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

SL-SMT 5.08/270 FL



High-temperature-resistant, 270° angled, low male connector with solder flange. Packed in a box or in tape on reel. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors can be labelled and coded.

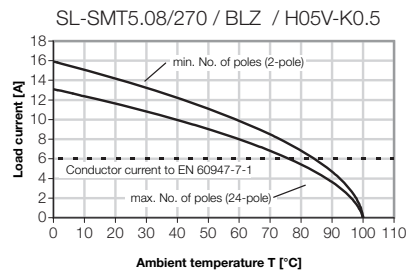
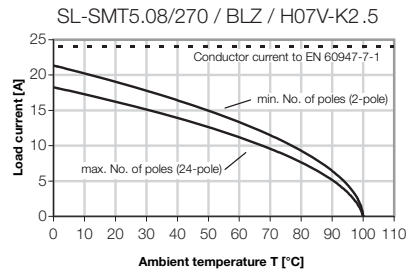
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²		
Solid H05(07) V-U	mm ²		
Stranded H07 V-R	mm ²		
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 at ambient temperature			
	A	20°C	40°C
		19	16
Overvoltage category			
		III	III
Pollution severity			
		3	2
		2	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
		4	4
UL 1059 rated data			
		B	C
		D	
Nominal voltage	V	300	300
Rated current	A	15	10
AWG conductor			
CSA C22.2 rated data			
		B	C
		D	
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			
Material data			
Type of insulating material		LCP GF	
Flammability class acc. UL94		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Information			

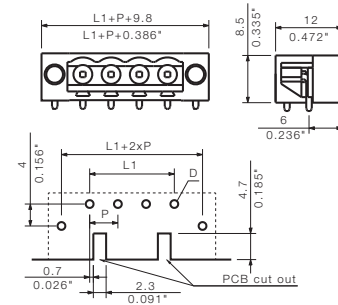
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Hole diameter D = 1.4+0.1mm
- Hole diameter D = 1.5+0.1mm for 9 poles
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Derating curve



SL-SMT 5.08/270 FL Box

additionally with solder flange



Ordering data

Solder pin length		1.5 mm	3.2 mm
Colour of plastic		black	black
Pitch 5.08 mm			
Poles	L1 mm (inch)	Qty.	Order No.
2	5.08 (0.200)	100	1878090000
3	10.16 (0.400)	100	1878110000
4	15.24 (0.600)	100	1878120000
5	20.32 (0.800)	50	1878130000
6	25.40 (1.000)	50	1878140000
7	30.48 (1.200)	50	1878150000
8	35.56 (1.400)	50	1878160000



Solder flange (LF)

Additional colours on request



See chapter accessories

Solder pin length	1.5 mm	3.2 mm
Colour of plastic	black	black

[illegible]

See chapter accessories



See chapter accessories

Weidmüller

SL-SMT 5.08/270 FH



High-temperature-resistant, 270° angled, high level male connector with solder flange. Packed in a box or in tape on reel. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors can be labelled and coded.

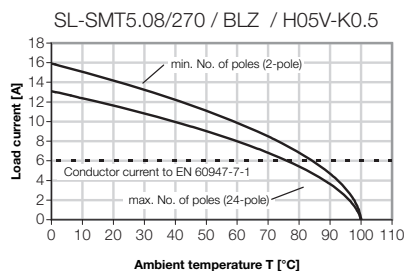
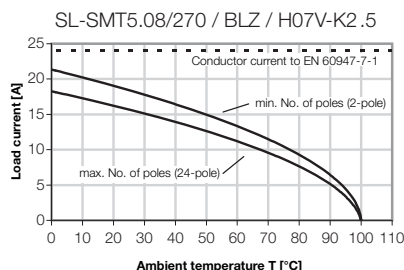
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

Technical data

Rated data to IEC 60664-1 / IEC 61984					
Clamping range, max.	mm ²				
Solid H05(07) V-U	mm ²				
Stranded H07 V-R	mm ²				
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 at ambient temperature		20°C		40°C	
	A	19		16	
Overvoltage category		III	II	I	
Pollution severity		3	2		
Rated voltage	V	250	320	400	
Rated impulse voltage	kV	4	4	4	
UL 1059 rated data		B	C	D	
Nominal voltage	V	300		300	
Rated current	A	15		10	
AWG conductor					
CSA C22.2 rated data		B	C	D	
Rated voltage	V	300		300	
Rated current	A	15		10	
AWG conductor					
Material data					
Type of insulating material		LCP GF			
Flammability class acc. UL94		V-0			
Contact base material		Cu/Sn			
Material of contact surface		tinned			
Information					

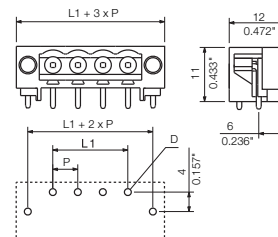
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Hole diameter $D = 1.4 \pm 0.1 \text{ mm}$
- Hole diameter $D = 1.5 \pm 0.1 \text{ mm}$ for 9 poles
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Derating curve



SL-SMT 5.08/270 FH Box

additionally with solder flange



Ordering data

Soldier pin length		1.5 mm	3.2 mm
Colour of plastic		black	black
Pitch 5.08 mm			
Poles:1	mm (inch)	Qty.	Order No.
2	5.08 (0.200)	100	1877960000
3	10.16 (0.400)	100	1877970000
4	15.24 (0.600)	100	1877980000
5	20.32 (0.800)	50	1877990000
6	25.40 (1.000)	50	1878000000
7	30.48 (1.200)	50	1878010000
8	35.56 (1.400)	50	1878020000



Solder flange (LF)



Additional colours on request



See chapter accessories

Solder pin length	1.5 mm	3.2 mm
Colour of plastic	black	black

Pitch 5.08 mm				
Poles	L1 mm	(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



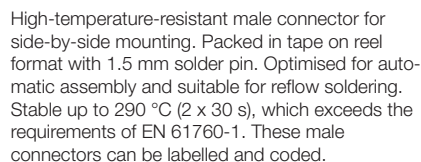
See chapter accessories



See chapter accessories

Weidmüller

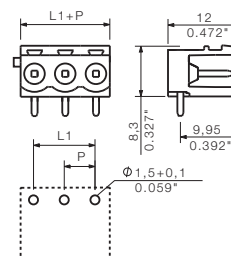
SL-SMarT 5.0x



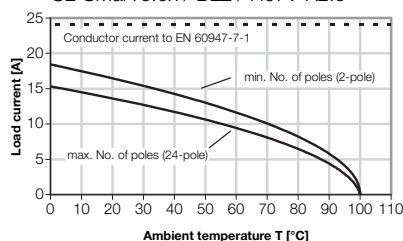
- ## Technical data

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

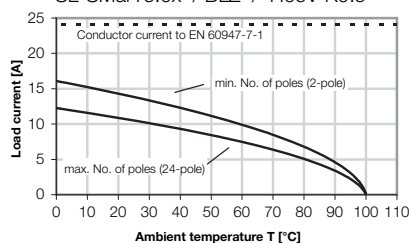
SL-SMarT 5.0x/90 Tape



SL-SMarT5.0x / BLZ / H07V-K2.5



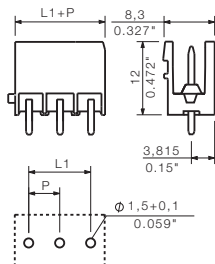
SL-SMarT5.0x / BLZ / H05V-K0.5



Ordering data

[illegible]

SL-SMarT 5.0x/180 Tape



Ordering data

Solder pin length	1.5 mm
Colour of plastic	black

Pitch 5.0X mm

Poles	L1 mm	(inch)	Qty.	Order No.	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

Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



Marking strips

See chapter accessories



Compartment partition element

See chapter accessories



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.

SLDV-THR 5.00 G



High-temperature-resistant, 2-tier, laterally offset, closed male connector, with solder flange option. 1.5 mm solder pin suitable for reflow soldering applications. 3.2 mm solder pin suitable for reflow and wave soldering applications. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors provide space for labelling and can be coded. Packed in cardboard box.

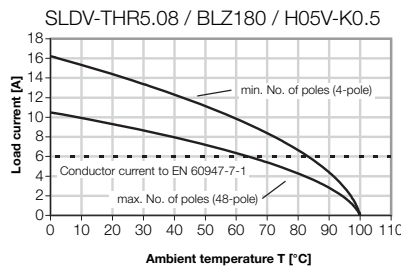
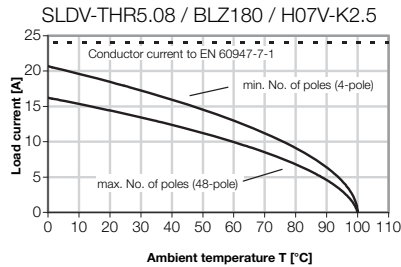
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²		
Solid H05(07) V-U	mm ²		
Stranded H07 V-R	mm ²		
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 at ambient temperature			
	A	20°C	40°C
		15	13
Overvoltage category			
		III	III
Pollution severity			
		3	2
		2	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
		4	4
UL 1059 rated data			
		B	C
Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor			
CSA C22.2 rated data			
		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor			
Material data			
Type of insulating material		LCP GF	
Flammability class acc. UL94		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
Information			

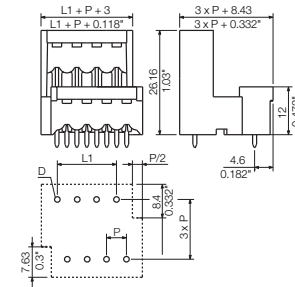
- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Spacing between rows: see hole layout
- Hole diameter D = 1.4+0.1mm
- Hole diameter D = 1.5+0.1mm for 18 poles
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Derating curve



SLDV-THR 5.00/180G Box

without solder flange



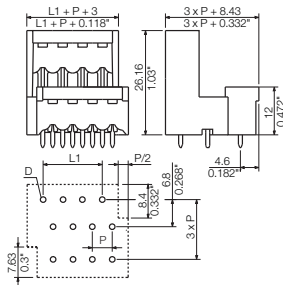
Ordering data

Solder pin length	1.5 mm	3.2 mm
Colour of plastic	black	black

Pitch 5.00 mm					
Poles	L1 mm	(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	1862400000
42	100.00	(3.937)	10	1895190000	1882840000
44	105.00	(4.134)	10	1895200000	1882850000
46	110.00	(4.331)	10	1895210000	1882860000
48	115.00	(4.528)	10	1895220000	1882870000

SLDV-THR 5.00/180GLF Box

with solder flange



Ordering data

Solder pin length	1.5 mm	3.2 mm
Colour of plastic	black	black

[illegible]

Pitch 5.00 mm

Poles	L1 mm	(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

Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



Marking strips

See chapter accessories



Compartment partition element

See chapter accessories



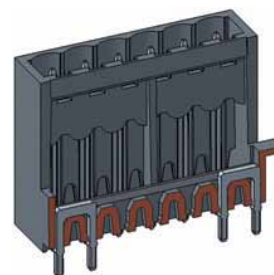
SLDV-THR 180GLF

The space-saving SLDVTHER double level male connector complements the reflow-compatible products from Weidmüller.

High-temperature-resistant plastics enable the product to be integrated into the reflow soldering process.

This range offers additional fixing to the PCB to resist greater mechanical loads.

The SLDV-THR...GLF incorporates an additional fixing without screws to relieve the mechanical loads on the contact pins. To do this, there are solder pins in optimum positions which do not have an electrical function.



SLDV-THR 5.08
SLDV-THR 5.00

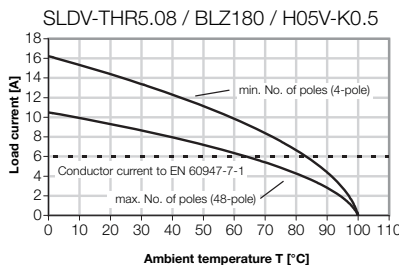
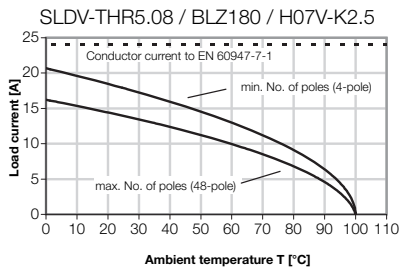
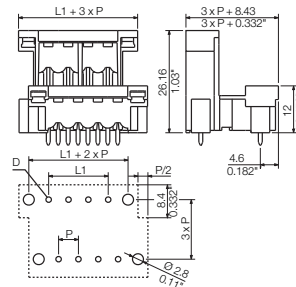

High-temperature-resistant, double level, laterally offset male connector with flange or solder flange. 1.5 mm solder pin suitable for reflow soldering. 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors can be labelled and coded. Packaged in cardboard box.

- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

Technical data

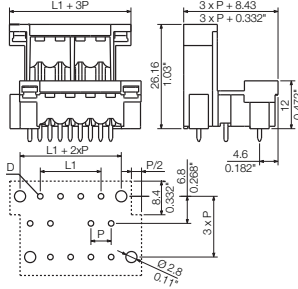
Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid H05(07) V-U	mm ²			
Stranded H07 V-R	mm ²			
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
according to norm				
Tightening torque range	Nm			
Rated current at ambient temperature				
	A	20°C	40°C	
		15	13	
Overvoltage category				
		III	III	II
Pollution severity				
		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL 1059 rated data				
		B	C	D
Nominal voltage	V	300	300	300
Rated current	A	10	10	10
AWG conductor				
CSA C22.2 rated data				
		B	C	D
Rated voltage	V	300	300	300
Rated current	A	10	10	10
AWG conductor				
Material data				
Type of insulating material		LCP GF		
Flammability class acc. UL94		V-0		
Contact base material		CuSn		
Material of contact surface		tinned		

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Spacing between rows: see hole layout
- Hole diameter D = 1.4+0.1mm
- Hole diameter D = 1.5+0.1mm for 18 poles
- P on drg. = 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.

Derating curve

SLDV-THR 5.08/180F Box
SLDV-THR 5.00/180F Box

Ordering data

Solder pin length				1.5 mm	3.2 mm
Colour of plastic				black	black
Pitch 5.08 mm					
Poles	L1 mm	(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
Pitch 5.00 mm					
Poles	L1 mm	(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 5.08/180FLF Box SLDV-THR 5.00/180FLF Box



Ordering data

Solder pin length	1.5 mm	3.2 mm
Colour of plastic	black	black

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.08	(0.200)	50	1829130000	1829010000
6	10.16	(0.400)	50	1829140000	1829020000
8	15.24	(0.600)	50	1829150000	1829030000
10	20.32	(0.800)	50	1829160000	1829040000
12	25.40	(1.000)	50	1829170000	1829050000
14	30.48	(1.200)	20	1829180000	1829060000
16	35.56	(1.400)	20	1829190000	1829070000
18	40.64	(1.600)	20	1829200000	1829080000
20	45.72	(1.800)	20	1829210000	1829090000
22	50.80	(2.000)	10	1829220000	1829100000
24	55.88	(2.200)	10	1829230000	1829110000
26	60.96	(2.400)	10	1829240000	1829120000
28	66.04	(2.600)	10	1881480000	1889200000
30	71.12	(2.800)	10	1881500000	1889210000
32	76.20	(3.000)	10	1881510000	1866320000
34	81.28	(3.200)	10	1881520000	1889220000
36	86.36	(3.400)	10	1881530000	1889270000
38	91.44	(3.600)	10	1881540000	1889280000
40	96.52	(3.800)	10	1881550000	1889290000
42	101.60	(4.000)	10	1881560000	1889300000
44	106.68	(4.200)	10	1881570000	1889310000
46	111.76	(4.400)	10	1881580000	1889320000
48	116.84	(4.600)	10	1881590000	1889330000

Pitch 5.00 mm

Poles	L1 mm	(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

Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



Marking strips

See chapter accessories



Compartment partition element

See chapter accessories



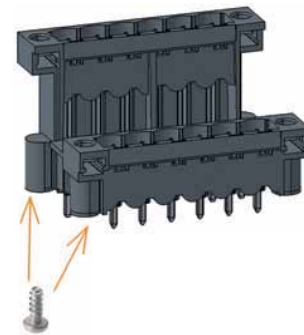
SLDV-THR 180F SLDV-THR 180FLF

The space-saving SLDVTHR double level male connector complements the reflow-compatible products from Weidmüller.

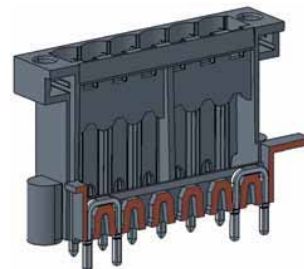
High-temperature-resistant plastics enable the product to be integrated into the reflow soldering process.

This range offers additional fixing to the PCB to resist greater mechanical loads.

1. With screw flanges for additional mechanical fixing to the PCB (see SLDV-THR.../.../FLF).



2. With solder flange for fixing to the PCB without screws. Additional solder pins in optimum positions which do not have an electrical function, relieve the mechanical loads on the contact pins. In some applications it is no longer necessary to screw the male connector to the PCB (see SLDV-THR.../.../FLF).



BLF 5.00/5.08 and BLDF 5.08

Plug-in connector with PUSH IN connection technology



The fast PUSH IN connection is also available with the well-proven 5.00 & 5.08 pitch plug-in-connector series. The benefits are simplicity, high safety and applicability due to features such as different wire outlet directions from 90° to 180° to 270°, or even twin plugs with integrated, high-performance cross-connections. This enables bus applications with an exceeding bus current up to 22 A.



Designed for general use

Very large clamping area of 0.2 to 2.5 mm² – even if using wire end ferrules with plastic collars.



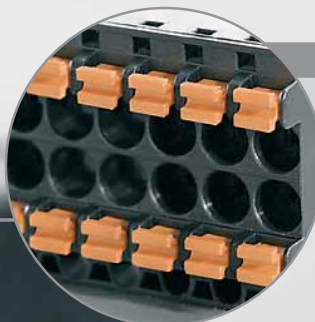
Designed for easy testing

Easily accessible diagnostic test points resp. convenient test plug sockets simplify function monitoring.



Designed for perfect handling

Rounded moulding shapes and large, slip-resistant actuation buttons ensure user-friendly handling.



Designed for extreme loads

The integrated cross-connection is optimised for low power loss and, since rated for a powerful bus current of 22 A, also supports a high number of bus devices.

Designed for fast termination



PUSH IN Technology: tool-less connection through simple insertion of a prepared conductor into the wire entry slot.

Designed for intuitive operation



Intuitive opening of the clamping point by clearly visible actuation buttons.

BLF 5.08/180
BLF 5.00/180


Socket connectors with time-saving Push In connection technology, covering a clamping range of 0.2 to 2.5 mm even with wire end ferrule, and a straight wire outlet direction (180°). Rounded moulding shapes and enlarged actuation buttons ensure good grip and userfriendly handling of the plug. In addition, the new family of plug-in connectors covers the entire range of mounting options for male connectors, from the standard screw flange to the unique lock-and-release lever. The integrated test point enables fast diagnosis.

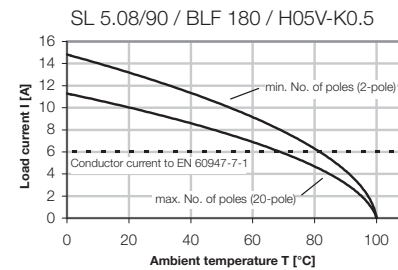
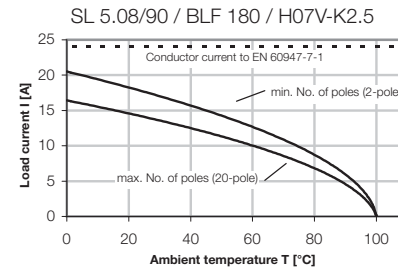
- 0.2-2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 18 A (IEC) / 15 A (UL)

Technical data

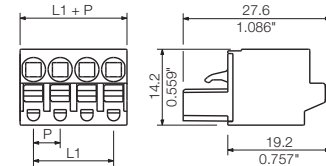
Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13 ... 3.31	
Solid H05(07) V-U	mm ²	0.2 ... 2.5	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.2 ... 2.5	
Flexible with ferrule	mm ²	0.2 ... 2.5	
Ferrule with plastic collar	mm ²	0.2 ... 2.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
according to norm		DIN 5264	
Tightening torque range	Nm		
Rated current			
at ambient temperature			
	A	20 °C	40 °C
		18	16
Overvoltage category			
		III	III
Pollution severity			
		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL 1059 rated data – E60693			
		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-12	
@ CSA C22.2 rated data – LR12400			
		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-12	
Material data			
Type of insulating material		PBT	
Flammability class		V-0	
Contact base material		Cu alloy	
Material of contact surface		tinned	

Information

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt1
- Wire end ferrule with plastic collar to DIN 46228 pt4
- P on drg. = 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.

Derating curve

BLF 5.08/180
BLF 5.00/180

without flange


Ordering data

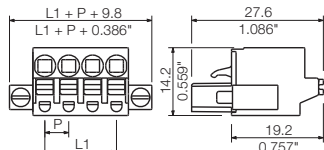
Solder pin length					
Colour			orange	black	
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	180	1013680000	1013430000
3	10.16	(0.400)	120	1013690000	1013440000
4	15.24	(0.600)	90	1013710000	1013450000
5	20.32	(0.800)	72	1013720000	1013460000
6	25.40	(1.000)	60	1013730000	1013470000
7	30.48	(1.200)	48	1013740000	1013480000
8	35.56	(1.400)	42	1013750000	1013490000
9	40.64	(1.600)	36	1013760000	1013510000
10	45.72	(1.800)	36	1013770000	1013520000
11	50.80	(2.000)	30	1013780000	1013530000
12	55.88	(2.200)	30	1013790000	1013540000
13	60.96	(2.400)	24	1013810000	1013550000
14	66.04	(2.600)	24	1013820000	1013560000
15	71.12	(2.800)	24	1013830000	1013570000
16	76.20	(3.000)	18	1013840000	1013580000
17	81.28	(3.200)	18	1013850000	1013590000
18	86.36	(3.400)	18	1013860000	1013610000
19	91.44	(3.600)	18	1013870000	1013620000
20	96.52	(3.800)	18	1013880000	1013630000
21	101.60	(4.000)	12	1013890000	1013640000
22	106.68	(4.200)	12	1013910000	1013650000
23	111.76	(4.400)	12	1013920000	1013660000
24	116.84	(4.600)	12	1013930000	1013670000

Pitch 5.00 mm

Poles	L1 mm	(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	(0.787)	72	1017890000	1017710000
6	25.00	(0.984)	60	1017910000	1017720000
7	30.00	(1.181)	48	1017920000	1017730000
8	35.00	(1.378)	42	1017930000	1017740000
9	40.00	(1.575)	36	1017950000	1017750000
10	45.00	(1.772)	36	1017960000	1017760000
11	50.00	(1.969)	30	1017970000	1017770000
12	55.00	(2.165)	30	1017980000	1017780000
13	60.00	(2.362)	24	1017990000	1017790000
14	65.00	(2.559)	24	1018010000	1017810000
15	70.00	(2.756)	24	1018020000	1017820000
16	75.00	(2.953)	18	1018030000	1017830000
17	80.00	(3.150)	18	1018040000	1017840000
18	85.00	(3.346)	18	1018050000	1017850000

BLF 5.08/180F
BLF 5.00/180F

with flange

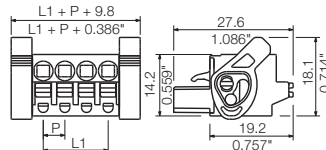

Ordering data

Solder pin length					
Colour		orange	black		
Pitch 5.08 mm					
Poles	L1 mm	(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

Pitch 5.00 mm					
Poles	L1 mm	(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	(0.787)	48	1017450000	1017270000
6	25.00	(0.984)	42	1017470000	1017280000
7	30.00	(1.181)	36	1017480000	1017290000
8	35.00	(1.378)	36	1017490000	1017310000
9	40.00	(1.575)	30	1017510000	1017320000
10	45.00	(1.772)	30	1017520000	1017330000
11	50.00	(1.969)	24	1017530000	1017340000
12	55.00	(2.165)	24	1017540000	1017350000
13	60.00	(2.362)	24	1017550000	1017360000
14	65.00	(2.559)	18	1017570000	1017370000
15	70.00	(2.756)	18	1017590000	1017380000
16	75.00	(2.953)	18	1017600000	1017390000
17	80.00	(3.150)	18	1017610000	1017400000
18	85.00	(3.346)	18	1017620000	1017410000

BLF 5.08/180LH
BLF 5.00/180LH

with release lever

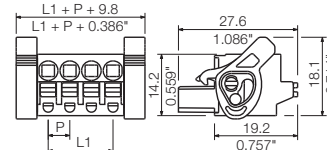

Ordering data

Solder pin length					
Colour		orange	black		
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	90	1014980000	1014730000
3	10.16	(0.400)	72	1014990000	1014740000
4	15.24	(0.600)	60	1015010000	1014750000
5	20.32	(0.800)	48	1015020000	1014760000
6	25.40	(1.000)	42	1015030000	1014770000
7	30.48	(1.200)	36	1015040000	1014780000
8	35.56	(1.400)	36	1015050000	1014790000
9	40.64	(1.600)	30	1015060000	1014810000
10	45.72	(1.800)	30	1015070000	1014820000
11	50.80	(2.000)	24	1015080000	1014830000
12	55.88	(2.200)	24	1015090000	1014840000
13	60.96	(2.400)	24	1015100000	1014850000
14	66.04	(2.600)	18	1015110000	1014860000
15	71.12	(2.800)	18	1015120000	1014870000
16	76.20	(3.000)	18	1015130000	1014880000
17	81.28	(3.200)	18	1015140000	1014890000
18	86.36	(3.400)	18	1015150000	1014900000
19	91.44	(3.600)	12	1015160000	1014910000
20	96.52	(3.800)	12	1015170000	1014920000
21	101.60	(4.000)	12	1015180000	1014930000
22	106.68	(4.200)	12	1015190000	1014940000
23	111.76	(4.400)	12	1015200000	1014960000
24	116.84	(4.600)	12	1015210000	1014970000

Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	90	1015720000	1015530000
3	10.00	(0.394)	72	1015730000	1015540000
4	15.00	(0.591)	60	1015740000	1015550000
5	20.00	(0.787)	48	1015750000	1015570000
6	25.00	(0.984)	42	1015770000	1015580000
7	30.00	(1.181)	36	1015780000	1015590000
8	35.00	(1.378)	36	1015790000	1015600000
9	40.00	(1.575)	30	1015810000	1015610000
10	45.00	(1.772)	30	1015820000	1015620000
11	50.00	(1.969)	24	1015830000	1015630000
12	55.00	(2.165)	24	1015840000	1015640000
13	60.00	(2.362)	24	1015850000	1015650000
14	65.00	(2.559)	18	1015880000	1015670000
15	70.00	(2.756)	18	1015890000	1015680000
16	75.00	(2.953)	18	1015910000	1015690000
17	80.00	(3.150)	18	1015920000	1015700000
18	85.00	(3.346)	18	1015930000	1015710000

BLF 5.08/180LR
BLF 5.00/180LR

with release bar


Ordering data

Solder pin length					
Colour			orange	black	
Pitch 5.08 mm					
Poles	L1 mm	(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

Pitch 5.00 mm					
Poles	L1 mm	(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	(0.787)	48	1016370000	1016180000
6	25.00	(0.984)	42	1016380000	1016190000
7	30.00	(1.181)	36	1016390000	1016210000
8	35.00	(1.378)	36	1016410000	1016220000
9	40.00	(1.575)	30	1016420000	1016230000
10	45.00	(1.772)	30	1016430000	1016240000
11	50.00	(1.969)	24	1016440000	1016250000
12	55.00	(2.165)	24	1016450000	1016260000
13	60.00	(2.362)	24	1016460000	1016270000
14	65.00	(2.559)	18	1016470000	1016280000
15	70.00	(2.756)	18	1016480000	1016290000
16	75.00	(2.953)	18	1016490000	1016310000
17	80.00	(3.150)	18	1016510000	1016320000
18	85.00	(3.346)	18	1016520000	1016330000

BLF 5.08/90
BLF 5.00/90

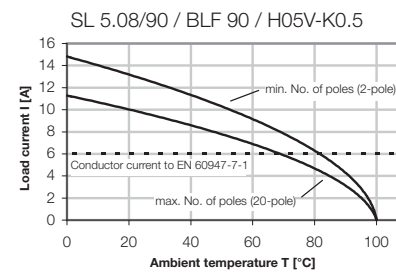
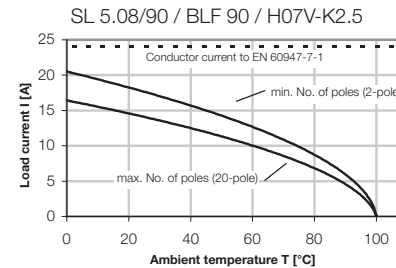

Socket connectors with time-saving Push In connection technology, covering a clamping range of 0.2 to 2.5 mm even with wire end ferrule, and an upside angled wire outlet direction (90°). Rounded moulding shapes and enlarged actuation buttons ensure good grip and userfriendly handling of the plug. In addition, the new family of plug-in connectors covers the entire range of mounting options for male connectors, from the standard screw flange to the unique lock-and-release lever. The integrated test point enables fast diagnosis.

- 0.2-2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 18 A (IEC) / 15 A (UL)

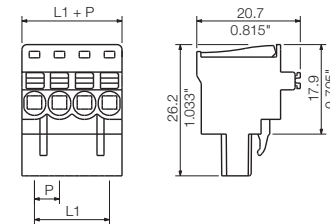
Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13 ... 3.31	
Solid H05(07) V-U	mm ²	0.2 ... 2.5	
Stranded H07 V-R	mm ²		
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			
at ambient temperature			
	A	20 °C	40 °C
		18	16
Overvoltage category			
		III	III
Pollution severity			
		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL 1059 rated data – E60693			
		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-12	
@ CSA C22.2 rated data – LR12400			
		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-12	
Material data			
Type of insulating material		PBT	
Flammability class		V-0	
Contact base material		Cu alloy	
Material of contact surface		tinned	
Information			

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt1
- Wire end ferrule with plastic collar to DIN 46228 pt4
- P on drg. = 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.

Derating curve

BLF 5.08/90
BLF 5.00/90

without flange

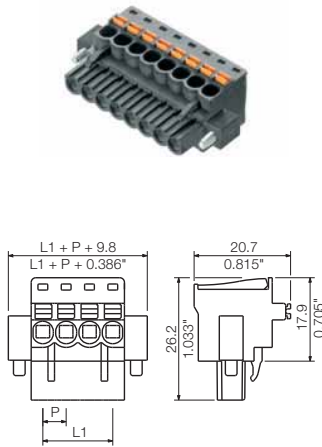

Ordering data

Solder pin length					
Colour			orange	black	
Pitch 5.08 mm					
Poles	L1 mm	(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	1001620000	1000110001
11	50.80	(2.000)	30	1001630000	1000120001
12	55.88	(2.200)	30	1001640000	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

Pitch 5.00 mm					
Poles	L1 mm	(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	(0.787)	72	1980200000	1979300000
6	25.00	(0.984)	60	1980210000	1979310000
7	30.00	(1.181)	48	1980220000	1979320000
8	35.00	(1.378)	42	1980230000	1979330000
9	40.00	(1.575)	36	1980240000	1979340000
10	45.00	(1.772)	36	1980250000	1979350000
11	50.00	(1.969)	30	1980260000	1979360000
12	55.00	(2.165)	30	1980270000	1979370000
13	60.00	(2.362)	24	1980280000	1979380000
14	65.00	(2.559)	24	1980290000	1979390000
15	70.00	(2.756)	24	1980300000	1979400000
16	75.00	(2.953)	18	1980310000	1979410000
17	80.00	(3.150)	18	1980320000	1979420000
18	85.00	(3.346)	18	1980330000	1979430000
19	90.00	(3.543)	18	1980340000	1979440000
20	95.00	(3.740)	18	1980360000	1979450000

BLF 5.08/90F
BLF 5.00/90F

with flange

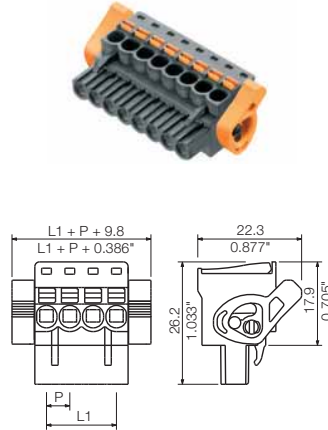
**Ordering data**

Solder pin length					
Colour			orange	black	
Pitch 5.08 mm					
Poles	L1 mm	(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

Pitch 5.00 mm					
Poles	L1 mm	(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	(0.787)	48	1980670000	1979490000
6	25.00	(0.984)	42	1980680000	1979500000
7	30.00	(1.181)	36	1980690000	1979510000
8	35.00	(1.378)	36	1980700000	1979520000
9	40.00	(1.575)	30	1980710000	1979530000
10	45.00	(1.772)	30	1980720000	1979540000
11	50.00	(1.969)	24	1980730000	1979550000
12	55.00	(2.165)	24	1980740000	1979560000
13	60.00	(2.362)	24	1980750000	1979570000
14	65.00	(2.559)	18	1980760000	1979580000
15	70.00	(2.756)	18	1980780000	1979590000
16	75.00	(2.953)	18	1980790000	1979600000
17	80.00	(3.150)	18	1980800000	1979610000
18	85.00	(3.346)	18	1980810000	1979620000
19	90.00	(3.543)	12	1980820000	1979630000
20	95.00	(3.740)	12	1980840000	1979640000

BLF 5.08/90LH
BLF 5.00/90LH

with release lever

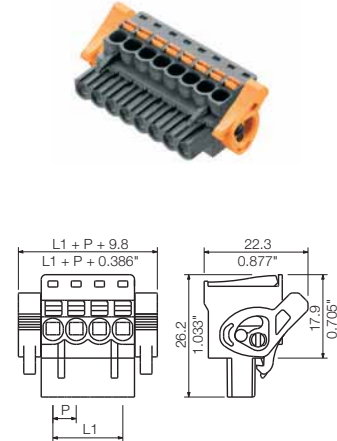
**Ordering data**

Solder pin length					
Colour			orange		black
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	90	1002480000	1000640001
3	10.16	(0.400)	72	1002490000	1000650001
4	15.24	(0.600)	60	1002500000	1000660001
5	20.32	(0.800)	48	1002510000	1000670001
6	25.40	(1.000)	42	1002520000	1000680001
7	30.48	(1.200)	36	1002530000	1000690001
8	35.56	(1.400)	36	1002540000	1000700001
9	40.64	(1.600)	30	1002550000	1000710001
10	45.72	(1.800)	30	1002560000	1000720001
11	50.80	(2.000)	24	1002570000	1000730001
12	55.88	(2.200)	24	1002580000	1000740001
13	60.96	(2.400)	24	1002590000	1000750001
14	66.04	(2.600)	18	1002600000	1000760001
15	71.12	(2.800)	18	1002610000	1000770001
16	76.20	(3.000)	18	1002620000	1000780001
17	81.28	(3.200)	18	1002630000	1000790001
18	86.36	(3.400)	18	1002640000	1000800001
19	91.44	(3.600)	12	1002650000	1000810001
20	96.52	(3.800)	12	1002660000	1000820001

Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	90	1981370000	1979980000
3	10.00	(0.394)	72	1981380000	1979990000
4	15.00	(0.591)	60	1981390000	1980000000
5	20.00	(0.787)	48	1981400000	1980010000
6	25.00	(0.984)	42	1981410000	1980020000
7	30.00	(1.181)	36	1981420000	1980030000
8	35.00	(1.378)	36	1981430000	1980040000
9	40.00	(1.575)	30	1981440000	1980050000
10	45.00	(1.772)	30	1981450000	1980060000
11	50.00	(1.969)	24	1981460000	1980070000
12	55.00	(2.165)	24	1981470000	1980080000
13	60.00	(2.362)	24	1981480000	1980090000
14	65.00	(2.559)	18	1981490000	1980100000
15	70.00	(2.756)	18	1981500000	1980110000
16	75.00	(2.953)	18	1981510000	1980120000
17	80.00	(3.150)	18	1981520000	1980130000
18	85.00	(3.346)	18	1981530000	1980140000
19	90.00	(3.543)	12	1981540000	1980150000
20	95.00	(3.740)	12	1981550000	1980160000

BLF 5.08/90LR
BLF 5.00/90LR

with release bar

**Ordering data**

Solder pin length				orange	black
Colour					
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	90	1002280000	1000410000
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

Pitch 5.00 mm					
Poles	L1 mm	(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	(0.787)	48	1980900000	1979820000
6	25.00	(0.984)	42	1980910000	1979830000
7	30.00	(1.181)	36	1980920000	1979840000
8	35.00	(1.378)	36	1980930000	1979850000
9	40.00	(1.575)	30	1980940000	1979860000
10	45.00	(1.772)	30	1980950000	1979870000
11	50.00	(1.969)	24	1980960000	1979880000
12	55.00	(2.165)	24	1980970000	1979890000
13	60.00	(2.362)	24	1980980000	1979900000
14	65.00	(2.559)	18	1980990000	1979910000
15	70.00	(2.756)	18	1981000000	1979920000
16	75.00	(2.953)	18	1981010000	1979930000
17	80.00	(3.150)	18	1981020000	1979940000
18	85.00	(3.346)	18	1981030000	1979950000
19	90.00	(3.543)	12	1981040000	1979960000
20	95.00	(3.740)	12	1981050000	1979970000

BLF 5.08/270



Socket connectors with time-saving Push In connection technology, covering a clamping range of 0.2 to 2.5 mm even with wire end ferrule, and a bottomside angled wire outlet direction (270°). Rounded moulding shapes and enlarged actuation buttons ensure good grip and userfriendly handling of the plug. In addition, the new family of plug-in connectors covers the entire range of mounting options for male connectors, from the standard screw flange to the unique lock-and-release lever. The integrated test point enables fast diagnosis.

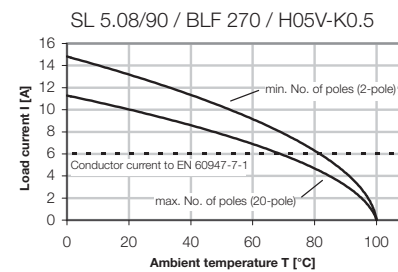
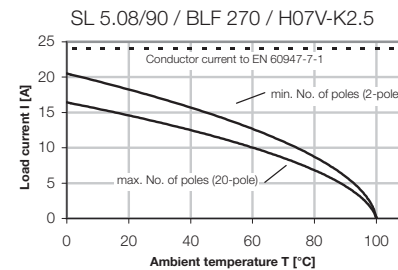
- 0.2-2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 18 A (IEC) / 15 A (UL)

Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13 ... 3.31	
Solid H05(07) V-U	mm ²	0.2 ... 2.5	
Stranded H07 V-R	mm ²		
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			
at ambient temperature			
	A	18	16
Overvoltage category			
		III	II
Pollution severity			
		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL 1059 rated data – E60693			
		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-12	
@ CSA C22.2 rated data – LR12400			
		B	C
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-12	
Material data			
Type of insulating material		PBT	
Flammability class		V-0	
Contact base material		Cu alloy	
Material of contact surface		tinned	
Information			

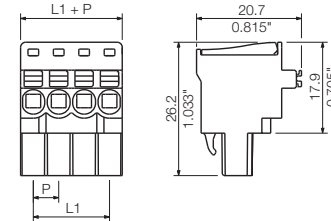
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt1
- Wire end ferrule with plastic collar to DIN 46228 pt4
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

Derating curve



BLF 5.08/270

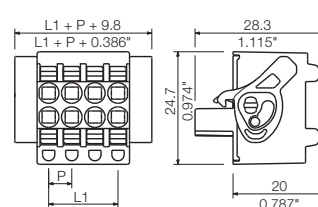
without flange



Ordering data

Solder pin length					
Colour			orange		black
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	180	1982700000	1981930000
3	10.16	(0.400)	120	1982710000	1981940000
4	15.24	(0.600)	90	1982720000	1981950000
5	20.32	(0.800)	72	1982730000	1981960000
6	25.40	(1.000)	60	1982740000	1981970000
7	30.48	(1.200)	48	1982750000	1981980000
8	35.56	(1.400)	42	1982760000	1981990000
9	40.64	(1.600)	36	1982770000	1982000000
10	45.72	(1.800)	36	1982780000	1982010000
11	50.80	(2.000)	30	1982790000	1982020000
12	55.88	(2.200)	30	1982800000	1982030000
13	60.96	(2.400)	24	1982810000	1982040000
14	66.04	(2.600)	24	1982820000	1982050000
15	71.12	(2.800)	24	1982830000	1982060000
16	76.20	(3.000)	18	1982840000	1982070000
17	81.28	(3.200)	18	1982850000	1982080000
18	86.36	(3.400)	18	1982860000	1982090000
19	91.44	(3.600)	18	1982870000	1982100000
20	96.52	(3.800)	18	1982880000	1982110000

with release bar



Ordering data

Solder pin length

Colour

orange

black

Pitch 5.08 mm

Pos.	L1	mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	90	1065130000	1001010000	
3	10.16	(0.400)	72	1065140000	1001020000	
4	15.24	(0.600)	60	1065150000	1001030000	
5	20.32	(0.800)	48	1065160000	1001040000	
6	25.40	(1.000)	42	1065170000	1001050000	
7	30.48	(1.200)	36	1065180000	1001060000	
8	35.56	(1.400)	36	1065190000	1001070000	

Accessories

Ferrules according to DIN 46228 part 4



Type	Order No.
H0.5/14S (white)	9004590000
H1.0/14S (red)	9018560000
H1.5/14S (black)	9025240000
H2.5/14S (blue)	1333100000

Possible colors



Coding



Marking strips



Screwdriver

Order No. 9008390000



Crimping tool PZ 6/5

Order No. 9011460000



For detailed information, please refer to our main catalogue, editions 2 and 6 (tools)

LH release lever LR release bar

In confined space it is often difficult to gain access to and grab the plug-in connectors.

In order to be able to separate male and female connectors easily, Weidmüller has developed special connectors with a release lever. The release lever has to be braced against a surface in order to operate properly. This is achieved by using male connectors with a fixed angle, or devices with a suitably designed front panel. The lever can be operated either by hand or with a screwdriver.

plugged in



released



In addition to its release function, the release bar, in combination with the angle versions of the SL-SMT male connectors, also has a „locking“ function. After the connector has been plugged in, the release bar is locked. Releasing this enables the plug-in connector to be easily separated again. The lever can be operated either by hand or with a screwdriver.

locked



released



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 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.



Product type	
SL-SMT 5.0X* /90	 SL-SMT 5.0X* /180 
SL-SMT 5.0X* /90G	 SL-SMT 5.0X* /180G 
SL-SMT 5.0X* /90F	 SL-SMT 5.0X* /180F 
SL-SMT 5.0X* /90LF	 SL-SMT 5.0X* /180LF 
SL-SMT 5.08 /270GL	
SL-SMT 5.08 /270GH	
SL-SMT 5.08 /270FL	
SL-SMT 5.08 /270FH	
SL-SMaRT 5.08 /90	
SL-SMaRT 5.08 /180	
SLDV-THR 5.00 /180G	
SLDV-THR 5.00 /180GLF	
SLDV-THR 5.0X* /180F	
SLDV-THR 5.00 /180FLF	
SL-5.0X* /90	 SL-5.0X* /180 
SL-5.0X* /90B	 SL-5.0X* /180B 
SL-5.0X* /90B (F)	 SL-5.0X* /180B (F) 
SLDF 5.08	
SLS 5.08 /180B	
SLS 5.08 /180B (F)	
SLS 5.08 /180B (FI)	
SLT 5.08B	
SLT 5.08B (F)	
SLZF 5.08 /180B	
SLZF 5.08 /180B (F)	
SLZF 5.08 /180B (FI)	

* 5.0X = Pitch 5.00 and 5.08

BLF 5.0X /180	BLF 5.0X /180F	BLF 5.0X /180LH	BLF 5.0X /180LR
			
●			
●			
	●	●	●
	●	●	●
●			
●			
	●	●	●
	●	●	●
●			
●			
●			
●			
	●	●	●
	●	●	●
●			
●			
	●	●	
●			
	●	●	
●			
	●	●	

Product type			BLF 5.0X/90	BLF 5.0X/90F	BLF 5.0X/90LH	BLF 5.0X/90LR
						
SL-SMT 5.0X* /90		SL-SMT 5.0X* /180				
SL-SMT 5.0X* /90G		SL-SMT 5.0X* /180G				
SL-SMT 5.0X* /90F		SL-SMT 5.0X* /180F		●	●	●
SL-SMT 5.0X* /90LF		SL-SMT 5.0X* /180LF		●	●	●
SL-SMT 5.08 /270GL			●			
SL-SMT 5.08 /270GH			●			
SL-SMT 5.08 /270FL				●	●	●
SL-SMT 5.08 /270FH				●	●	●
SL-SMaRT 5.08 /90			●			
SL-SMaRT 5.08 /180			●			
SLDV-THR 5.00 /180G			●			
SLDV-THR 5.00 /180GLF			●			
SLDV-THR 5.0X* /180F				●	●	●
SLDV-THR 5.00 /180FLF				●	●	●
SL-5.0X* /90		SL-5.0X* /180				
SL-5.0X* /90B		SL-5.0X* /180B				
SL-5.0X* /90B (F)		SL-5.0X* /180B (F)		●	●	
SLDF 5.08			●			
SLS 5.08 /180B			●			
SLS 5.08 /180B (F)				●	●	
SLS 5.08 /180B (FI)						
SLT 5.08B			●			
SLT 5.08B (F)				●	●	
SLZF 5.08 /180B			●			
SLZF 5.08 /180B (F)				●	●	
SLZF 5.08 /180B (FI)						

* 5.0X = Pitch 5.00 and 5.08

Product type			BLF 5.0X /270	BLF 5.0X /270F	BLF 5.0X /270LH	BLF 5.0X /270LR
		SL-SMT 5.0X* /180 				
SL-SMT 5.0X* /90		SL-SMT 5.0X* /180G 	●			
SL-SMT 5.0X* /90G		SL-SMT 5.0X* /180F 	●			
SL-SMT 5.0X* /90F		SL-SMT 5.0X* /180LF 		●	●	●
SL-SMT 5.0X* /90LF				●	●	●
SL-SMT 5.08 /270GL			●			
SL-SMT 5.08 /270GH			●			
SL-SMT 5.08 /270FL				●	●	●
SL-SMT 5.08 /270FH				●	●	●
SL-SMaRT 5.08 /90			●			
SL-SMaRT 5.08 /180			●			
SLDV-THR 5.00 /180G						
SLDV-THR 5.00 /180GLF						
SLDV-THR 5.0X* /180F						
SLDV-THR 5.00 /180FLF						
SL-5.0X* /90		SL-5.0X* /180 	●			
SL-5.0X* /90B		SL-5.0X* /180B 	●			
SL-5.0X* /90B (F)		SL-5.0X* /180B (F) 		●	●	
SLDF 5.08			●			
SLS 5.08 /180B			●			
SLS 5.08 /180B (F)				●	●	
SLS 5.08 /180B (FI)						
SLT 5.08B			●			
SLT 5.08B (F)				●	●	
SLZF 5.08 /180B			●			
SLZF 5.08 /180B (F)				●	●	
SLZF 5.08 /180B (FI)						

* 5.0X = Pitch 5.00 and 5.08

Product type			BLDF 5.0X/180	BLDF 5.0X/180F	BLDF 5.0X/180LH	BLDF 5.0X/180LR
						
SL-SMT 5.0X* /90		SL-SMT 5.0X* /180				
SL-SMT 5.0X* /90G		SL-SMT 5.0X* /180G				
SL-SMT 5.0X* /90F		SL-SMT 5.0X* /180F				
SL-SMT 5.0X* /90LF		SL-SMT 5.0X* /180LF				
SL-SMT 5.08 /270GL						
SL-SMT 5.08 /270GH						
SL-SMT 5.08 /270FL						
SL-SMT 5.08 /270FH						
SL-SMaT 5.08 /90						
SL-SMaT 5.08 /180						
SLDV-THR 5.00 /180G						
SLDV-THR 5.00 /180GLF						
SLDV-THR 5.0X* /180F						
SLDV-THR 5.00 /180FLF						
SL-5.0X* /90		SL-5.0X* /180				
SL-5.0X* /90B		SL-5.0X* /180B				
SL-5.0X* /90B (F)		SL-5.0X* /180B (F)				
SLDF 5.08						
SLS 5.08 /180B						
SLS 5.08 /180B (F)						
SLS 5.08 /180B (FI)						
SLT 5.08B						
SLT 5.08B (F)						
SLZF 5.08 /180B						
SLZF 5.08 /180B (F)						
SLZF 5.08 /180B (FI)						

* 5.0X = Pitch 5.00 and 5.08

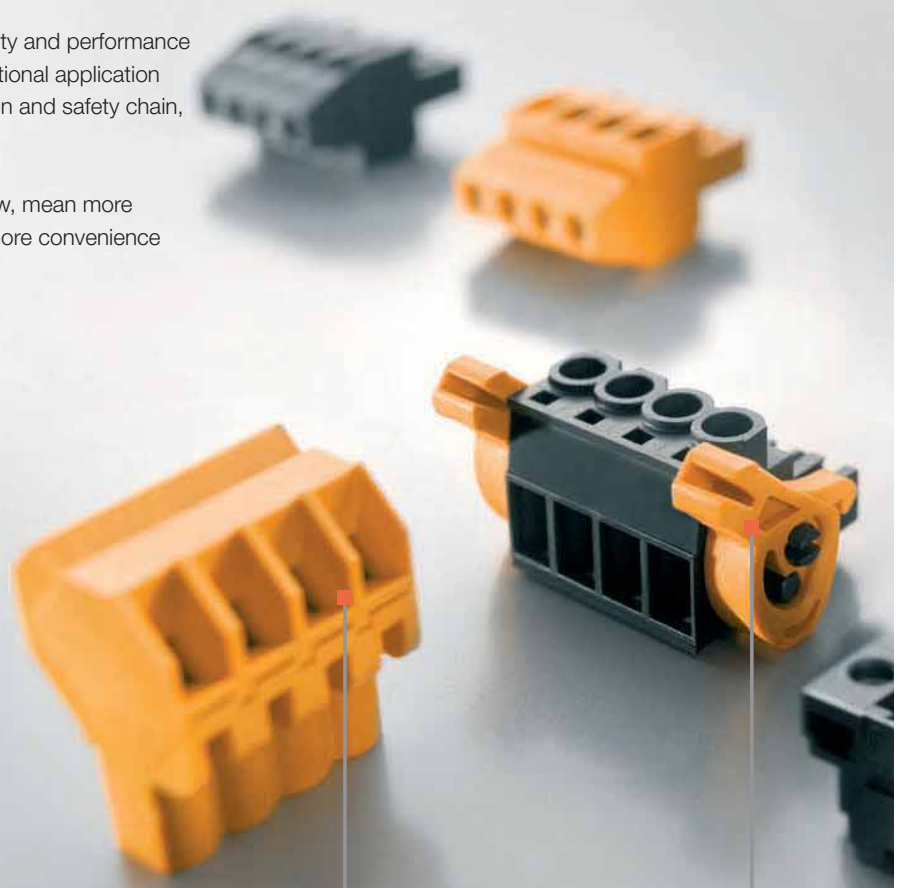
BLZP 5.00/5.08

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 performance in processing and use. Resulting from this are additional application and user benefits, such as an uninterrupted function and safety chain, increased efficiency or a plainly high usability.

In total, the advantages in detail as described below, mean more safety and reliability to the application, as well as more convenience and less efforts to the user.



Error-free wiring – safe connection

The integrated “wire guard” feature prevents from dangerous miswiring, such as inserting a cable below the yoke, and thus protects against the risk of invisible fusing contact.



Securely lock – easily release

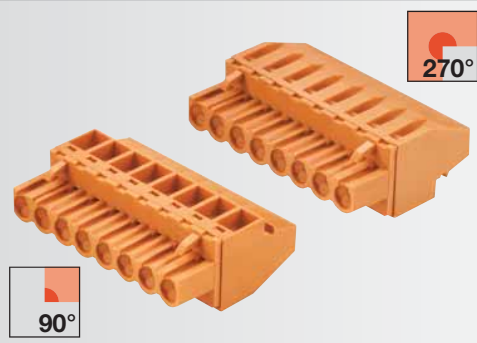
Fast and tool-less, self-securing interlocking to the pin header, intuitive, visual locking status plus smooth releasing of the plug-connector enables an intuitive, safe and convenient handling.

Reliable contacting – universal operation

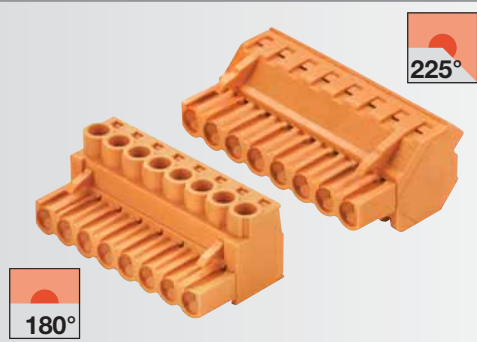
The multi-tool-suitable, globally compatible screw head – for force-fit, and intuitive actuation by common flat- or cross-headed hand tools or even the efficient use of power tools.



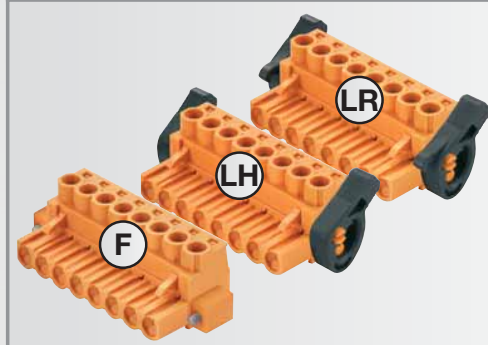
Wire outlet direction



Wire outlet direction



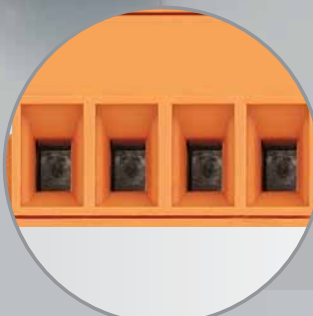
Fastening options

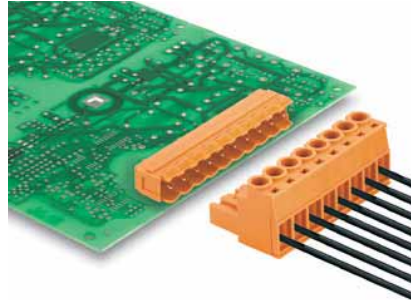


F = screw flange / LH = release lever / LR = lock'n release lever

Process-compatible by default – economical processing

Unpack – “Wire Ready” – Connect. The time- and cost saving “Wire Ready” technology ensures that each single clamping yoke is fully open on delivery, even after world-wide shipping.



BLZP 5.08/180
BLZP 5.00/180


Socket connectors with screw connection with screw clamp technology for straight conductor connection (180°). Even safer and more efficient through multitool-(+/-) screws, conductor miswiring protection and prepared = open clamping yoke („wire-ready“). The BLZP series can optionally be labelled, coded as well as securely locked to the mating component with a screw flange or lock'n release lever.

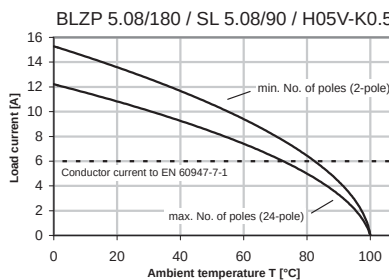
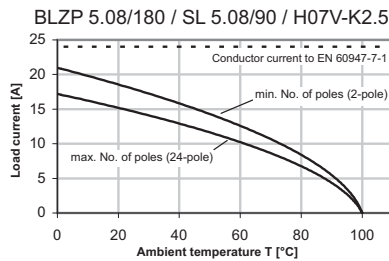
- 0.2-2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 18.5 A (IEC) / 15 A (UL)

Technical data

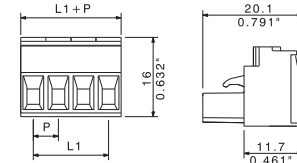
Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid H05(07) V-U	mm ²	0.2...4	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.2...4	
Flexible with ferrule	mm ²	0.2...4	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5	
according to norm		DIN 5264	
Tightening torque range	Nm	0.4 ... 0.5	
Rated current			
at ambient temperature			
	A	20 °C	40 °C
		18.5	16
Overvoltage category			
		III	III II
Pollution severity			
		3	2 2
Rated voltage	V	250	320 400
Rated impulse voltage	kV	4	4 4
UL 1059 rated data			
		B	C D
Nominal voltage	V	300	300
Rated current	A	15	10
AWG conductor			26-12
CSA C22.2 rated data			
		B	C D
Nominal voltage	V	300	300
Rated current	A	15	10
AWG conductor			26-12
Material data			
Type of insulating material		PBT	
Flammability class acc. UL94		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	

Information

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt1
- Wire end ferrule with plastic collar to DIN 46228 pt4
- P on drg. = 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.

Derating curve

BLZP 5.08/180
BLZP 5.00/180

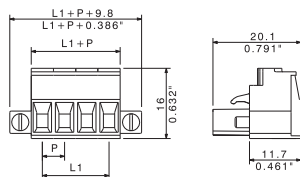
Can be mounted side-by-side without sacrificing any poles


Ordering data

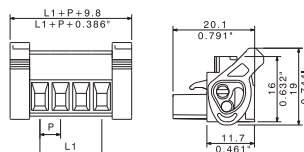
Solder pin length			Colour of plastic		orange	black
Pitch 5.08 mm						
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.	
2	5.08	(0.200)	180	1943580000	1943810000	
3	10.16	(0.400)	120	1943590000	1943820000	
4	15.24	(0.600)	90	1943600000	1943830000	
5	20.32	(0.800)	72	1943610000	1943840000	
6	25.40	(1.000)	60	1943620000	1943850000	
7	30.48	(1.200)	48	1943630000	1943860000	
8	35.56	(1.400)	42	1943640000	1943870000	
9	40.64	(1.600)	36	1943650000	1943880000	
10	45.72	(1.800)	36	1943660000	1943890000	
11	50.80	(2.000)	30	1943670000	1943900000	
12	55.88	(2.200)	30	1943680000	1943910000	
13	60.96	(2.400)	24	1943690000	1943920000	
14	66.04	(2.600)	24	1943700000	1943930000	
15	71.12	(2.800)	24	1943710000	1943940000	
16	76.20	(3.000)	18	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)	12	1943770000	1944000000	
22	106.68	(4.200)	12	1943780000	1944010000	
23	111.76	(4.400)	12	1943790000	1944020000	
24	116.84	(4.600)	12	1943800000	1944030000	
Pitch 5.00 mm						
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.	
2	5.00	(0.197)	180	1954490000	1955570000	
3	10.00	(0.394)	120	1954480000	1955560000	
4	15.00	(0.591)	90	1954470000	1955550000	
5	20.00	(0.787)	72	1954460000	1955540000	
6	25.00	(0.984)	60	1954450000	1955530000	
7	30.00	(1.181)	48	1954440000	1955520000	
8	35.00	(1.378)	42	1954430000	1955510000	
9	40.00	(1.575)	36	1954420000	1955500000	
10	45.00	(1.772)	36	1954410000	1955490000	
11	50.00	(1.969)	30	1954400000	1955480000	
12	55.00	(2.165)	30	1954390000	1955470000	
13	60.00	(2.362)	24	1954380000	1955460000	
14	65.00	(2.559)	24	1954370000	1955450000	
15	70.00	(2.756)	24	1954360000	1955440000	
16	75.00	(2.953)	18	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)	12	1954290000	1955380000	
22	105.00	(4.134)	12	1954280000	1955370000	
23	110.00	(4.331)	12	1954270000	1955360000	
24	115.00	(4.528)	12	1954260000	1955350000	

BLZP 5.08/180F
BLZP 5.00/180F

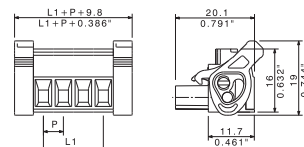
with screw flange


BLZP 5.08/180LH
BLZP 5.00/180LH

with release lever


BLZP 5.08/180LR
BLZP 5.00/180LR

with release bar

**Ordering data**

Solder pin length					
Colour of plastic			orange	black	
Pitch 5.08 mm					
Poles	L1 mm	(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
Pitch 5.00 mm					
Poles	L1 mm	(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

Ordering data

Solder pin length					
Colour of plastic			orange	black	
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	90	1945290000	1945520000
3	10.16	(0.400)	72	1945300000	1945530000
4	15.24	(0.600)	60	1945310000	1945540000
5	20.32	(0.800)	48	1945320000	1945550000
6	25.40	(1.000)	42	1945330000	1945560000
7	30.48	(1.200)	36	1945340000	1945570000
8	35.56	(1.400)	36	1945350000	1945580000
9	40.64	(1.600)	30	1945360000	1945590000
10	45.72	(1.800)	30	1945370000	1945600000
11	50.80	(2.000)	24	1945380000	1945610000
12	55.88	(2.200)	24	1945390000	1945620000
13	60.96	(2.400)	24	1945400000	1945630000
14	66.04	(2.600)	18	1945410000	1945640000
15	71.12	(2.800)	18	1945420000	1945650000
16	76.20	(3.000)	18	1945430000	1945660000
17	81.28	(3.200)	18	1945440000	1945670000
18	86.36	(3.400)	18	1945450000	1945680000
19	91.44	(3.600)	12	1945460000	1945690000
20	96.52	(3.800)	12	1945470000	1945700000
21	101.60	(4.000)	12	1945480000	1945710000
22	106.68	(4.200)	12	1945490000	1945720000
23	111.76	(4.400)	12	1945500000	1945730000
24	116.84	(4.600)	12	1945510000	1945740000
Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	90	1956990000	1957290000
3	10.16	(0.400)	72	1956980000	1957280000
4	15.24	(0.600)	60	1956970000	1957270000
5	20.32	(0.800)	48	1956960000	1957260000
6	25.40	(1.000)	42	1956950000	1957250000
7	30.48	(1.200)	36	1956940000	1957240000
8	35.56	(1.400)	36	1956930000	1957230000
9	40.64	(1.600)	30	1956920000	1957220000
10	45.72	(1.800)	30	1956910000	1957210000
11	50.80	(2.000)	24	1956900000	1957200000
12	55.88	(2.200)	24	1956890000	1957190000
13	60.96	(2.400)	24	1956880000	1957180000
14	66.04	(2.600)	18	1956870000	1957170000
15	71.12	(2.800)	18	1956860000	1957160000
16	76.20	(3.000)	18	1956850000	1957150000
17	81.28	(3.200)	18	1956840000	1957140000
18	86.36	(3.400)	18	1956830000	1957130000
19	91.44	(3.600)	12	1956820000	1957120000
20	96.52	(3.800)	12	1956810000	1957110000
21	101.60	(4.000)	12	1956800000	1957100000
22	106.68	(4.200)	12	1956790000	1957090000
23	111.76	(4.400)	12	1956780000	1957080000
24	116.84	(4.600)	12	1956770000	1957070000

Ordering data

Solder pin length					
Colour of plastic			orange	black	
Pitch 5.08 mm					
Poles	L1 mm	(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
Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	90	1956370000	1956600000
3	10.16	(0.400)	72	1956380000	1956590000
4	15.24	(0.600)	60	1956390000	1956580000
5	20.32	(0.800)	48	1956400000	1956570000
6	25.40	(1.000)	42	1956330000	1956560000
7	30.48	(1.200)	36	1956320000	1956550000
8	35.56	(1.400)	36	1956310000	1956540000
9	40.64	(1.600)	30	1956300000	1956530000
10	45.72	(1.800)	30	1956290000	1956520000
11	50.80	(2.000)	24	1956280000	1956510000
12	55.88	(2.200)	24	1956270000	1956500000
13	60.96	(2.400)	24	1956260000	1956490000
14	66.04	(2.600)	18	1956250000	1956480000
15	71.12	(2.800)	18	1956240000	1956470000
16	76.20	(3.000)	18	1956230000	1956460000
17	81.28	(3.200)	18	1956220000	1956450000
18	86.36	(3.400)	18	1956210000	1956440000
19	91.44	(3.600)	12	1956200000	1956430000
20	96.52	(3.800)	12	1956190000	1956420000
21	101.60	(4.000)	12	1956180000	1956410000
22	106.68	(4.200)	12	1956170000	1956400000
23	111.76	(4.400)	12	1956160000	1956390000
24	116.84	(4.600)	12	1956150000	1956380000

BLZP 5.08/90
BLZP 5.00/90


Socket connectors with screw connection with screw clamp technology for rectangular conductor connection (90°). Even safer and more efficient through multitool-(+/-) screws, conductor miswiring protection and prepared = open clamping yoke („wire-ready“). The BLZP series can optionally be labelled, coded as well as securely locked to the mating component with a screw flange or lock'n release lever.

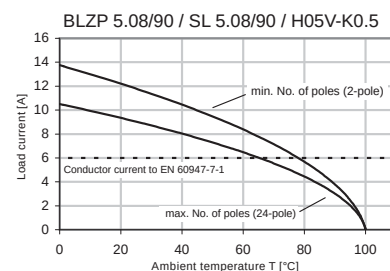
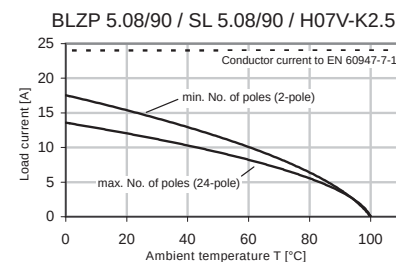
- 0.2-2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

Technical data

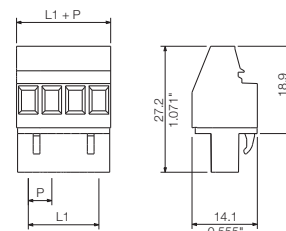
Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm ²	0.13...4	
Solid H05(07) V-U	mm ²	0.2...4	
Stranded H07 V-R	mm ²		
Flexible H05(07) V-K	mm ²	0.2...4	
Flexible with ferrule	mm ²	0.2...4	
Ferrule with plastic collar	mm ²	0.2...2.5	
Stripping length	mm	7	
Screwdriver blade	mm	0.6 x 3.5	
according to norm		DIN 5264	
Tightening torque range	Nm	0.4 ... 0.5	
Rated current			
at ambient temperature			
	A	20 °C	40 °C
		15	12
Overvoltage category			
		III	III
Pollution severity			
		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL 1059 rated data			
		B	C
Nominal voltage	V	300	300
Rated current	A	15	10
AWG conductor		26-12	
CSA C22.2 rated data			
		B	C
Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-12	
Material data			
Type of insulating material		PBT	
Flammability class acc. UL94		V-0	
Contact base material		Copper alloy	
Material of contact surface		tinned	

Information

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt1
- Wire end ferrule with plastic collar to DIN 46228 pt4
- P on drg. = 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.

Derating curve

BLZP 5.08/90
BLZP 5.00/90

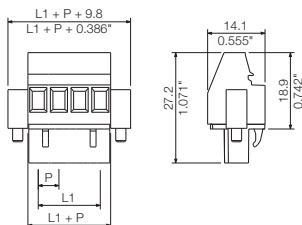
Can be mounted side-by-side without sacrificing any poles


Ordering data

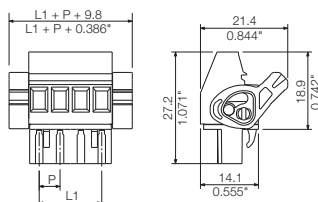
Solder pin length					
Colour of plastic					
			orange	black	
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	180	1948000000	1948240000
3	10.00	(0.394)	120	1948010000	1948250000
4	15.00	(0.591)	90	1948020000	1948260000
5	20.00	(0.787)	72	1948030000	1948270000
6	25.00	(0.984)	60	1948040000	1948280000
7	30.00	(1.181)	48	1948050000	1948290000
8	35.00	(1.378)	42	1948060000	1948300000
9	40.00	(1.575)	36	1948070000	1948310000
10	45.00	(1.772)	36	1948080000	1948320000
11	50.00	(1.969)	30	1948100000	1948330000
12	55.00	(2.165)	30	1948110000	1948340000
13	60.00	(2.362)	24	1948120000	1948350000
14	65.00	(2.559)	24	1948130000	1948360000
15	70.00	(2.756)	24	1948140000	1948370000
16	75.00	(2.953)	18	1948150000	1948380000
17	80.00	(3.150)	18	1948160000	1948390000
18	85.00	(3.346)	18	1948170000	1948400000
19	90.00	(3.543)	18	1948180000	1948410000
20	95.00	(3.740)	18	1948190000	1948420000
21	100.00	(3.937)	12	1948200000	1948430000
22	105.00	(4.134)	12	1948210000	1948440000
23	110.00	(4.331)	12	1948220000	1948450000
24	115.00	(4.528)	12	1948230000	1948460000
Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	180	1958300000	1958650000
3	10.00	(0.394)	120	1958290000	1958640000
4	15.00	(0.591)	90	1958280000	1958630000
5	20.00	(0.787)	72	1958270000	1958620000
6	25.00	(0.984)	60	1958260000	1958610000
7	30.00	(1.181)	48	1958250000	1958600000
8	35.00	(1.378)	42	1958230000	1958590000
9	40.00	(1.575)	36	1958190000	1958580000
10	45.00	(1.772)	36	1958160000	1958570000
11	50.00	(1.969)	30	1958130000	1958560000
12	55.00	(2.165)	30	1958120000	1958550000
13	60.00	(2.362)	24	1958090000	1958540000
14	65.00	(2.559)	24	1958060000	1958530000
15	70.00	(2.756)	24	1958040000	1958520000
16	75.00	(2.953)	18	1957960000	1958480000
17	80.00	(3.150)	18	1957910000	1958460000
18	85.00	(3.346)	18	1957900000	1958430000
19	90.00	(3.543)	18	1957880000	1958420000
20	95.00	(3.740)	18	1957850000	1958400000
21	100.00	(3.937)	12	1957830000	1958380000
22	105.00	(4.134)	12	1957820000	1958360000
23	110.00	(4.331)	12	1957800000	1958340000
24	115.00	(4.528)	12	1957780000	1958310000

BLZP 5.08/90F
BLZP 5.00/90F

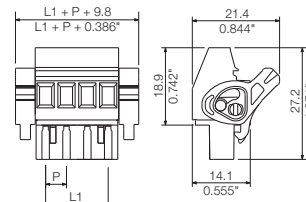
with screw flange


BLZP 5.08/90LH
BLZP 5.00/90LH

with release lever


BLZP 5.08/90LR
BLZP 5.00/90LR

with release bar

**Ordering data**

Solder pin length				
Colour of plastic				
Pitch 5.08 mm				
Poles	L1 mm	(inch)	Qty.	Order No.
2	5.08	(0.200)	90	1949800000
3	10.16	(0.400)	72	1949810000
4	15.24	(0.600)	60	1949820000
5	20.32	(0.800)	48	1949830000
6	25.40	(1.000)	42	1949840000
7	30.48	(1.200)	36	1949850000
8	35.56	(1.400)	36	1949860000
9	40.64	(1.600)	30	1949870000
10	45.72	(1.800)	30	1949880000
11	50.80	(2.000)	24	1949890000
12	55.88	(2.200)	24	1949900000
13	60.96	(2.400)	24	1949910000
14	66.04	(2.600)	18	1949920000
15	71.12	(2.800)	18	1949930000
16	76.20	(3.000)	18	1949940000
17	81.28	(3.200)	18	1949950000
18	86.36	(3.400)	18	1950190000
19	91.44	(3.600)	12	1949970000
20	96.52	(3.800)	12	1949980000
21	101.60	(4.000)	12	1949990000
22	106.68	(4.200)	12	1950010000
23	111.76	(4.400)	12	1950020000
24	116.84	(4.600)	12	1950030000

Pitch 5.00 mm				
Poles	L1 mm	(inch)	Qty.	Order No.
2	5.00	(0.197)	90	1959520000
3	10.00	(0.394)	72	1959510000
4	15.00	(0.591)	60	1959500000
5	20.00	(0.787)	48	1959490000
6	25.00	(0.984)	42	1959480000
7	30.00	(1.181)	36	1959470000
8	35.00	(1.378)	36	1959460000
9	40.00	(1.575)	30	1959440000
10	45.00	(1.772)	30	1959430000
11	50.00	(1.969)	24	1959390000
12	55.00	(2.165)	24	1959370000
13	60.00	(2.362)	24	1959360000
14	65.00	(2.559)	18	1959350000
15	70.00	(2.756)	18	1959340000
16	75.00	(2.953)	18	1959330000
17	80.00	(3.150)	18	1959320000
18	85.00	(3.346)	18	1959300000
19	90.00	(3.543)	12	1959290000
20	95.00	(3.740)	12	1959270000
21	100.00	(3.937)	12	1959250000
22	105.00	(4.134)	12	1959240000
23	110.00	(4.331)	12	1959220000
24	115.00	(4.528)	12	1959200000

Ordering data

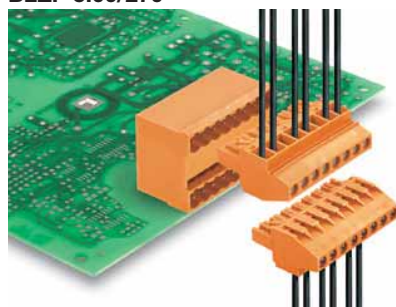
Solder pin length				
Colour of plastic				
Pitch 5.08 mm				
Poles	L1 mm	(inch)	Qty.	Order No.
2	5.08	(0.200)	90	1098530000
3	10.16	(0.400)	72	1098550000
4	15.24	(0.600)	60	1098570000
5	20.32	(0.800)	48	1098590000
6	25.40	(1.000)	42	1098610000
7	30.48	(1.200)	36	1098630000
8	35.56	(1.400)	36	1098650000
9	40.64	(1.600)	30	1098670000
10	45.72	(1.800)	30	1098690000
11	50.80	(2.000)	24	1098710000
12	55.88	(2.200)	24	1098730000
13	60.96	(2.400)	24	1098750000
14	66.04	(2.600)	18	1098770000
15	71.12	(2.800)	18	1098790000
16	76.20	(3.000)	18	1098800000
17	81.28	(3.200)	18	1098830000
18	86.36	(3.400)	18	1098850000
19	91.44	(3.600)	12	1098870000
20	96.52	(3.800)	12	1098890000
21	101.60	(4.000)	12	1098910000
22	106.68	(4.200)	12	1098930000
23	111.76	(4.400)	12	1098950000
24	116.84	(4.600)	12	1098970000

Pitch 5.00 mm				
Poles	L1 mm	(inch)	Qty.	Order No.
2	5.00	(0.197)	90	1098530000
3	10.00	(0.394)	72	1098550000
4	15.00	(0.591)	60	1098570000
5	20.00	(0.787)	48	1098590000
6	25.00	(0.984)	42	1098610000
7	30.00	(1.181)	36	1098630000
8	35.00	(1.378)	36	1098650000
9	40.00	(1.575)	30	1098670000
10	45.00	(1.772)	30	1098690000
11	50.00	(1.969)	24	1098710000
12	55.00	(2.165)	24	1098730000
13	60.00	(2.362)	24	1098750000
14	65.00	(2.559)	18	1098770000
15	70.00	(2.756)	18	1098790000
16	75.00	(2.953)	18	1098800000
17	80.00	(3.150)	18	1098830000
18	85.00	(3.346)	18	1098850000
19	90.00	(3.543)	12	1098870000
20	95.00	(3.740)	12	1098890000
21	100.00	(3.937)	12	1098910000
22	105.00	(4.134)	12	1098930000
23	110.00	(4.331)	12	1098950000
24	115.00	(4.528)	12	1098970000

Ordering data

Solder pin length				
Colour of plastic				
Pitch 5.08 mm				
Poles	L1 mm	(inch)	Qty.	Order No.
2	5.08	(0.200)	90	1087250000
3	10.16	(0.400)	72	1087260000
4	15.24	(0.600)	60	1087270000
5	20.32	(0.800)	48	1087280000
6	25.40	(1.000)	42	1087290000
7	30.48	(1.200)	36	1087300000
8	35.56	(1.400)	36	1087310000
9	40.64	(1.600)	30	1087320000
10	45.72	(1.800)	30	1087330000
11	50.80	(2.000)	24	1087340000
12	55.88	(2.200)	24	1087350000
13	60.96	(2.400)	24	1087360000
14	66.04	(2.600)	18	1087370000
15	71.12	(2.800)	18	1087380000
16	76.20	(3.000)	18	1087390000
17	81.28	(3.200)	18	1087400000
18	86.36	(3.400)	18	1087410000
19	91.44	(3.600)	12	1087420000
20	96.52	(3.800)	12	1087430000
21	101.60	(4.000)	12	1087440000
22	106.68	(4.200)	12	1087450000
23	111.76	(4.400)	12	1087460000
24	116.84	(4.600)	12	1087470000

Pitch 5.00 mm				
Poles	L1 mm	(inch)	Qty.	Order No.
2	5.00	(0.197)	90	1087250000
3	10.00	(0.394)	72	1087260000
4	15.00	(0.591)	60	1087270000
5	20.00	(0.787)	48	1087280000
6	25.00	(0.984)	42	1087290000
7	30.00	(1.181)	36	1087300000
8	35.00	(1.378)	36	1087310000
9	40.00	(1.575)	30	1087320000
10	45.00	(1.772)	30	1087330000
11	50.00	(1.969)	24	1087340000
12	55.00	(2.165)	24	1087350000
13	60.00	(2.362)	24	1087360000
14	65.00	(2.559)	18	1087370000
15	70.00	(2.756)	18	1087380000
16	75.00	(2.953)	18	1087390000
17	80.00	(3.150)	18	1087400000
18	85.00	(3.346)	18	1087410000
19	90.00	(3.543)	12	1087420000
20	95.00	(3.740)	12	1087430000
21	100.00	(3.937)	12	1087440000
22	105.00	(4.134)	12	1087450000
23	110.00	(4.331)	12	1087460000
24	115.00	(4.528)	12	1087470000

BLZP 5.08/270
BLZP 5.00/270


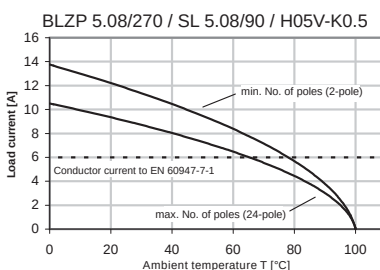
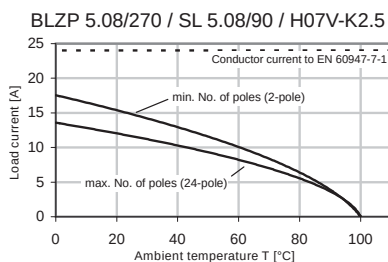
Socket connectors with screw connection with screw clamp technology for inverted conductor connection (270°). Even safer and more efficient through multitool-(+/-) screws, conductor miswiring protection and prepared = open clamping yoke („wire-ready“). The BLZP series can optionally be labelled, coded as well as securely locked to the mating component with a screw flange or lock'n release lever.

- 0.2-2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

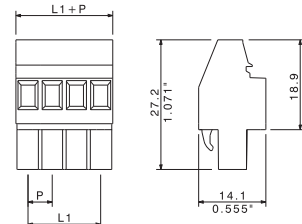
Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm²	0.13...4		
Solid H05(07) V-U	mm²	0.2...4		
Stranded H07 V-R	mm²			
Flexible H05(07) V-K	mm²	0.2...4		
Flexible with ferrule	mm²	0.2...4		
Ferrule with plastic collar	mm²	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				
at ambient temperature				
	A	20 °C	40 °C	
		15	12	
Overvoltage category				
		III	III	II
Pollution severity				
		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL 1059 rated data		B	C	D
Nominal voltage	V	300	300	
Rated current	A	15	10	
AWG conductor		26-12		
CSA C22.2 rated data		B	C	D
Nominal voltage	V	300	300	
Rated current	A	10	10	
AWG conductor		26-12		
Material data				
Type of insulating material		PBT		
Flammability class acc. UL94		V-0		
Contact base material		Copper alloy		
Material of contact surface		tinned		
Information				

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt1
- Wire end ferrule with plastic collar to DIN 46228 pt4
- P on drg. = 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.

Derating curve

BLZP 5.08/270
BLZP 5.00/270

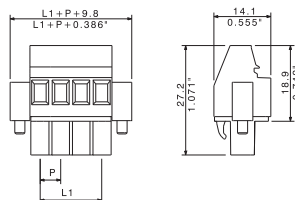
Can be mounted side-by-side without sacrificing any poles


Ordering data

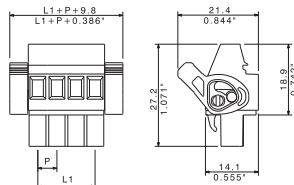
Solder pin length					
Colour of plastic			orange	black	
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	180	1948790000	1949020000
3	10.16	(0.400)	120	1948800000	1949030000
4	15.24	(0.600)	90	1948810000	1949040000
5	20.32	(0.800)	72	1948820000	1949050000
6	25.40	(1.000)	60	1948830000	1949060000
7	30.48	(1.200)	48	1948840000	1949070000
8	35.56	(1.400)	42	1948850000	1949080000
9	40.64	(1.600)	36	1948860000	1949090000
10	45.72	(1.800)	36	1948870000	1949100000
11	50.80	(2.000)	30	1948880000	1949110000
12	55.88	(2.200)	30	1948890000	1949120000
13	60.96	(2.400)	24	1948900000	1949130000
14	66.04	(2.600)	24	1948910000	1949140000
15	71.12	(2.800)	24	1948920000	1949150000
16	76.20	(3.000)	18	1948930000	1949160000
17	81.28	(3.200)	18	1948940000	1949170000
18	86.36	(3.400)	18	1948950000	1949180000
19	91.44	(3.600)	18	1948960000	1949190000
20	96.52	(3.800)	18	1948970000	1949200000
21	101.60	(4.000)	12	1948980000	1949210000
22	106.68	(4.200)	12	1948990000	1949220000
23	111.76	(4.400)	12	1949000000	1949230000
24	116.84	(4.600)	12	1949010000	1949240000
Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	180	1958870000	1959100000
3	10.00	(0.394)	120	1958880000	1959090000
4	15.00	(0.591)	90	1958890000	1959080000
5	20.00	(0.787)	72	1958840000	1959070000
6	25.00	(0.984)	60	1958830000	1959060000
7	30.00	(1.181)	48	1958820000	1959050000
8	35.00	(1.378)	42	1958810000	1959040000
9	40.00	(1.575)	36	1958800000	1959030000
10	45.00	(1.772)	36	1958790000	1959020000
11	50.00	(1.969)	30	1958780000	1959010000
12	55.00	(2.165)	30	1959150000	1959000000
13	60.00	(2.362)	24	1958770000	1958990000
14	65.00	(2.559)	24	1958760000	1958980000
15	70.00	(2.756)	24	1958750000	1958970000
16	75.00	(2.953)	18	1958740000	1958960000
17	80.00	(3.150)	18	1958730000	1958950000
18	85.00	(3.346)	18	1958720000	1958940000
19	90.00	(3.543)	18	1958710000	1958930000
20	95.00	(3.740)	18	1958700000	1958920000
21	100.00	(3.937)	12	1958690000	1958910000
22	105.00	(4.134)	12	1958680000	1958900000
23	110.00	(4.331)	12	1958670000	1958890000
24	115.00	(4.528)	12	1958660000	1958880000

BLZP 5.08/270F
BLZP 5.00/270F

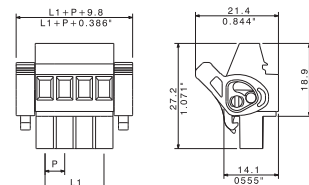
with screw flange


BLZP 5.08/270LH
BLZP 5.00/270LH

with release lever


BLZP 5.08/270LR
BLZP 5.00/270LR

with release bar



Ordering data

Solder pin length					
Colour of plastic					
Pitch 5.08 mm					
Poles	L1 mm	(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
Pitch 5.00 mm					
Poles	L1 mm	(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

Ordering data

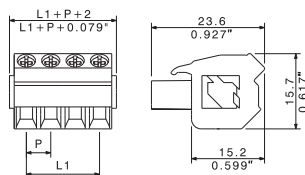
Solder pin length					
Colour of plastic					
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	90	1948000000	1948240000
3	10.00	(0.394)	72	1948010000	1948250000
4	15.00	(0.591)	60	1948020000	1948260000
5	20.00	(0.787)	48	1948030000	1948270000
6	25.00	(0.984)	42	1948040000	1948280000
7	30.00	(1.181)	36	1948050000	1948290000
8	35.00	(1.378)	36	1948060000	1948300000
9	40.00	(1.575)	30	1948070000	1948310000
10	45.00	(1.772)	30	1948080000	1948320000
11	50.00	(1.969)	24	1948100000	1948330000
12	55.00	(2.165)	24	1948110000	1948340000
13	60.00	(2.362)	24	1948120000	1948350000
14	65.00	(2.559)	18	1948130000	1948360000
15	70.00	(2.756)	18	1948140000	1948370000
16	75.00	(2.953)	18	1948150000	1948380000
17	80.00	(3.150)	18	1948160000	1948390000
18	85.00	(3.346)	18	1948170000	1948400000
19	90.00	(3.543)	12	1948180000	1948410000
20	95.00	(3.740)	12	1948190000	1948420000
21	100.00	(3.937)	12	1948200000	1948430000
22	105.00	(4.134)	12	1948210000	1948440000
23	110.00	(4.331)	12	1948220000	1948450000
24	115.00	(4.528)	12	1948230000	1948460000
Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	90	1958300000	1958650000
3	10.00	(0.394)	72	1958290000	1958640000
4	15.00	(0.591)	60	1958280000	1958630000
5	20.00	(0.787)	48	1958270000	1958620000
6	25.00	(0.984)	42	1958260000	1958610000
7	30.00	(1.181)	36	1958250000	1958600000
8	35.00	(1.378)	36	1958230000	1958590000
9	40.00	(1.575)	30	1958190000	1958580000
10	45.00	(1.772)	30	1958160000	1958570000
11	50.00	(1.969)	24	1958130000	1958560000
12	55.00	(2.165)	24	1958120000	1958550000
13	60.00	(2.362)	24	1958090000	1958540000
14	65.00	(2.559)	18	1958060000	1958530000
15	70.00	(2.756)	18	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)	12	1957880000	1958430000
20	95.00	(3.740)	12	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

Ordering data

Solder pin length					
Colour of plastic					
Pitch 5.08 mm					
Poles	L1 mm	(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
Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.200)	90	1960960000	1961190000
3	10.16	(0.400)	72	1960950000	1961180000
4	15.24	(0.600)	60	1960940000	1961170000
5	20.32	(0.800)	48	1960930000	1961160000
6	25.40	(1.000)	42	1960920000	1961150000
7	30.48	(1.200)	36	1960910000	1961140000
8	35.56	(1.400)	36	1960900000	1961130000
9	40.64	(1.600)	30	1960890000	1961120000
10	45.72	(1.800)	30	1960880000	1961110000
11	50.80	(2.000)	24	1960870000	1961100000
12	55.88	(2.200)	24	1960860000	1961090000
13	60.96	(2.400)	24	1960850000	1961080000
14	66.04	(2.600)	18	1960840000	1961070000
15	71.12	(2.800)	18	1960830000	1961060000
16	76.20	(3.000)	18	1960820000	1961050000
17	81.28	(3.200)	18	1960810000	1961040000
18	86.36	(3.400)	18	1960800000	1961030000
19	91.44	(3.600)	12	1960790000	1961020000
20	96.52	(3.800)	12	1960780000	1961010000
21	101.60	(4.000)	12	1960770000	1961000000
22	106.68	(4.200)	12	1960760000	1960990000
23	111.76	(4.400)	12	1960750000	1960980000
24	116.84	(4.600)	12	1960740000	1960970000

BLZP 5.08/225B

with fixing device for BB11 / BB12



Ordering data

Solder pin length

Colour of plastic

orange

black

Pitch 5.08 mm

Poses	L1	mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	150	1945750000	1945980000	
3	10.16	(0.400)	102	1945760000	1945990000	
4	15.24	(0.600)	78	1945770000	1946000000	
5	20.32	(0.800)	66	1945780000	194610000	
6	25.40	(1.000)	54	1945790000	194620000	
7	30.48	(1.200)	48	1945800000	194630000	
8	35.56	(1.400)	42	1945810000	194640000	
9	40.64	(1.600)	36	1945820000	194650000	
10	45.72	(1.800)	30	1945830000	194660000	
11	50.80	(2.000)	30	1945840000	194670000	
12	55.88	(2.200)	24	1945850000	194680000	
13	60.96	(2.400)	24	1945860000	194690000	
14	66.04	(2.600)	24	1945870000	194610000	
15	71.12	(2.800)	18	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)	12	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	

Pitch 5.00 mm

[illegible]

Accessories

Possible colours

Additional colours on request



Coding



Strain relief



Cover



Marking strips



A short description of the BLZP

In response to customer demand and continual observation of the market, the standard BLZ has been supplemented with the following functions:

- **A Plus-Minus screw:**
Enables the use of standard crosshead screwdrivers. Because of the screw's torque resistance, the use of electric and pneumatic power tools is also possible. This can save time and money.
- **Delivered with fully opened clamping yoke:**
This is made possible by an advanced construction technique at Weidmüller. The clamping yoke does not need to be opened first with a screwdriver before inserting the wire. This results in an additional opportunity for saving time and money.
- **Protection against under insertion of wire:**
The right path toward process safety. If the wiring needs to be changed, the under-insertion protection prevents you from accidentally sticking the wire under the clamping yoke. This is an error that is often only detectable after extended troubleshooting.

The shared functions of the BLZP and BLZ

- **Direct printing:**
The socket blocks have surfaces at each pole which are designed for long-lasting labelling. This allows each connection to be labelled individually. InkJet, TampoPrint and Laserprint are available, according to your requirements.
- **Selective gold-plated contacts:**
The typical choices for gold-plated contacts are: applications with minimal currents and minimal voltages, measurement applications (such as PT100 or thermocouples), and applications exposed to vibrations (protection against abrasive corrosion). This is an affordable option for these applications since the contact surfaces are selectively gold-plated only in the contact area.
- **Additional fastening on the front plate or on the pin header:**
The screw flange mechanism is the classic and most widely used solution for preventing an unwanted connector separation due to vibrations or strain.

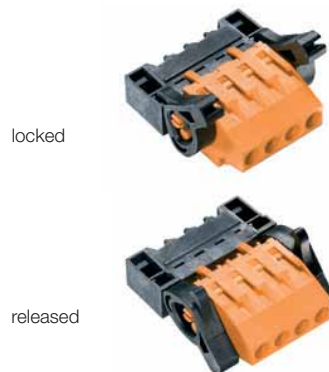
LH release lever LR lock and release lever

In confined space it is often difficult to gain access to and grab the plug-in connectors.

In order to be able to separate male and female connectors easily, Weidmüller has developed special connectors with a release lever. The release lever has to be braced against a surface in order to operate properly. This is achieved by using male connectors with a fixed flange, or devices with a suitably designed front panel. The lever can be operated either by hand or with a screwdriver.



Alternatively, in addition to the release function, the lever in combination with the flange versions of the SL-SMT male connectors, also has a "locking" function. After the connector has been plugged in, the lever becomes locked. Releasing this enables the plug-in connector to be easily separated again. The lever can be operated either by hand or with a screwdriver.



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.



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