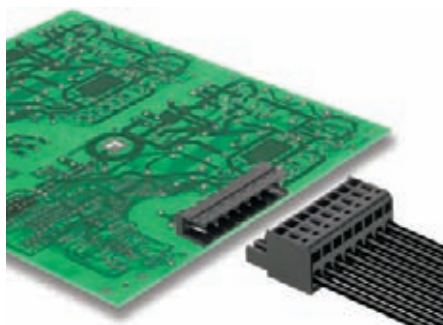


# PCB plug-in connectors

<b>Signals &amp; data</b> <b>5.00 / 5.08 mm pitch</b>	Male connectors with THR solder connection	G.2
	Male connectors with solder connection	G.32
	Male connectors with spade/solder connection	G.46
	Male connectors with clamping yoke connection	G.48
	Male connectors for terminal rail mounting with clamping yoke connection	G.50
	Male connectors with TOP connection	G.52
	Male connectors with tension clamp connection	G.54
	Socket connectors with clamping yoke connection	G.58
	Socket connectors with TOP connection	G.78
	Socket connectors with leaf spring connection	G.82
	Socket connectors with Push In connection	G.84
	Socket connectors with crimp connection	G.92
	Socket connectors with solder connection	G.94

## Male connectors with THR solder connection

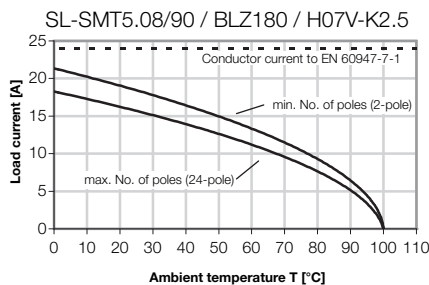
### SL-SMT 5.08/90 SL-SMT 5.00/90



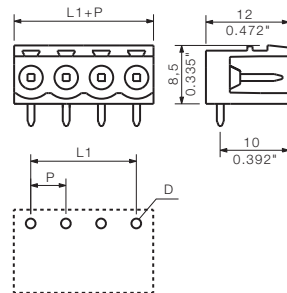
High-temperature-resistant, 90° angled, open male connector. Packed in box or tape. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors can be labelled and coded.

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

### Derating curve



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



### Technical data

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

Clamping range, max.	mm <sup>2</sup>
Solid H05(07) V-U	mm <sup>2</sup>
Stranded H07 V-R	mm <sup>2</sup>
Flexible H05(07) V-K	mm <sup>2</sup>
Flexible with ferrule	mm <sup>2</sup>
Ferrule with plastic collar	mm <sup>2</sup>
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
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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

#### CSA C22.2 rated data

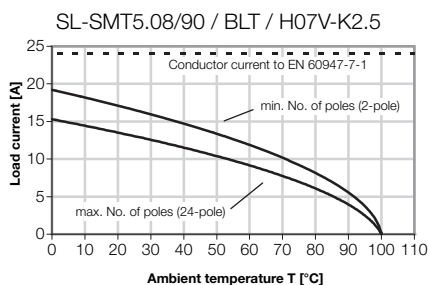
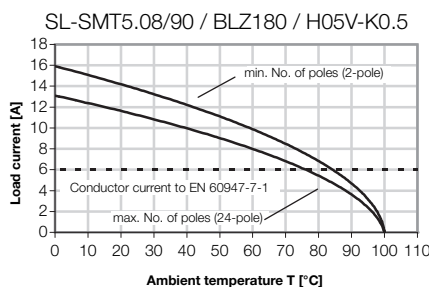
	B	C	D
Rated voltage	V	300	300
Rated current	A	15	10

#### 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	1774762001	1779950000
3	10.16	(0.400)	100	1774772001	1779960000
4	15.24	(0.600)	100	1774782001	1779970000
5	20.32	(0.800)	50	1774792001	1779980000
6	25.40	(1.000)	50	1774802001	1779990000
7	30.48	(1.200)	50	1774812001	1780000000
8	35.56	(1.400)	50	1774822001	1780010000
9	40.64	(1.600)	50	1774832001	1780020000
10	45.72	(1.800)	50	1774842001	1780030000
11	50.80	(2.000)	50	1774852001	1780040000
12	55.88	(2.200)	50	1774862001	1780050000
13	60.96	(2.400)	50	1774872001	1780060000
14	66.04	(2.600)	50	1774882001	1780070000
15	71.12	(2.800)	50	1774892001	1780080000
16	76.20	(3.000)	50	1774902001	1780090000
17	81.28	(3.200)	20	1774912001	1780100000
18	86.36	(3.400)	20	1774922001	1780110000
19	91.44	(3.600)	20	1774932001	1780120000
20	96.52	(3.800)	20	1774942001	1780130000
21	101.60	(4.000)	20	1774952001	1780140000
22	106.68	(4.200)	20	1774962001	1780150000
23	111.76	(4.400)	20	1774972001	1780160000
24	116.84	(4.600)	20	1774982001	1780170000

#### Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1796930000	1839980000
3	10.00	(0.394)	100	1796940000	1839990000
4	15.00	(0.591)	100	1796950000	1839910000
5	20.00	(0.787)	50	1796960000	1839920000
6	25.00	(0.984)	50	1796970000	1839930000
7	30.00	(1.181)	50	1796980000	1839940000
8	35.00	(1.378)	50	1796990000	1839950000
9	40.00	(1.575)	50	1797000000	1839960000
10	45.00	(1.772)	50	1797010000	1839970000
11	50.00	(1.969)	50	1797020000	1839980000
12	55.00	(2.165)	50	1797030000	1839990000
13	60.00	(2.362)	50	1797040000	1840000000
14	65.00	(2.559)	50	1797050000	1840010000
15	70.00	(2.756)	50	1797060000	1840020000
16	75.00	(2.953)	50	1797070000	1840030000
17	80.00	(3.150)	20		1840040000
18	85.00	(3.346)	20		1840050000
19	90.00	(3.543)	20		1840060000
20	95.00	(3.740)	20		1840070000
21	100.00	(3.937)	20		1840080000
22	105.00	(4.134)	20		1840090000
23	110.00	(4.331)	20		1840100000
24	115.00	(4.528)	20		1840110000

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



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



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)	350	1821160000	
3	10.16	(0.400)	350	1821170000	
4	15.24	(0.600)	350	1774784001	
5	20.32	(0.800)	350	1774794001	
6	25.40	(1.000)	350	1774804001	
7	30.48	(1.200)	350	1774814001	
8	35.56	(1.400)	350	1774824001	

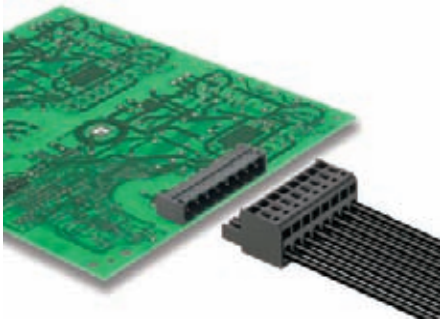
Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	350	1797620000	
3	10.00	(0.394)	350	1797630000	
4	15.00	(0.591)	350	1797640000	
5	20.00	(0.787)	350	1797650000	
6	25.00	(0.984)	350	1797660000	
7	30.00	(1.181)	350	1797670000	
8	35.00	(1.378)	350	1797680000	

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

## Male connectors with THR solder connection

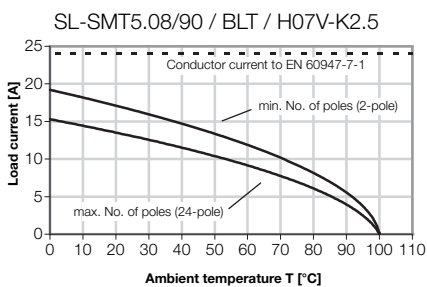
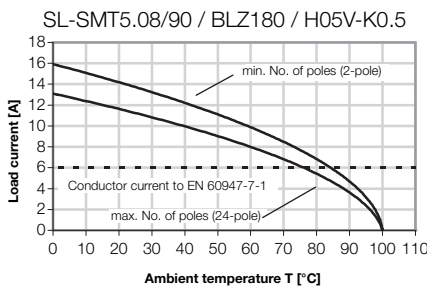
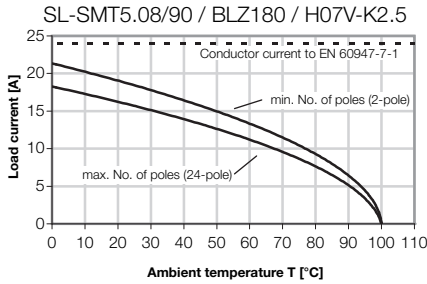
### SL-SMT 5.08/90G SL-SMT 5.00/90G



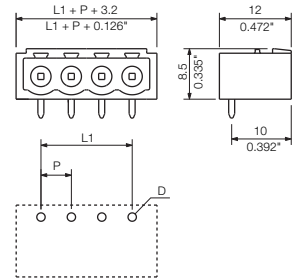
High-temperature-resistant, 90° angled, closed end male connector. Packed in box or tape on reel. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors can be labelled and coded.

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

### Derating curve



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



### Technical data

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

Clamping range, max.	mm <sup>2</sup>
Solid H05(07) V-U	mm <sup>2</sup>
Stranded H07 V-R	mm <sup>2</sup>
Flexible H05(07) V-K	mm <sup>2</sup>
Flexible with ferrule	mm <sup>2</sup>
Ferrule with plastic collar	mm <sup>2</sup>
Stripping length	mm
Screwdriver blade	mm
according to norm	
Tightening torque range	Nm

Rated current at ambient temperature	20°C	40°C
	A	A

Overvoltage category	III	III	II
Pollution severity	3	2	2

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

<b>UL 1059 rated data</b>	<b>B</b>	<b>C</b>	<b>D</b>
Nominal voltage	V	300	300
Rated current	A	15	10
AWG conductor			

<b>CSA C22.2 rated data</b>	<b>B</b>	<b>C</b>	<b>D</b>
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			

<b>Material data</b>	
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	1775002001	1780180000
3	10.16	(0.400)	100	1775012001	1780190000
4	15.24	(0.600)	100	1775022001	1780200000
5	20.32	(0.800)	50	1775032001	1780210000
6	25.40	(1.000)	50	1775042001	1780220000
7	30.48	(1.200)	50	1775052001	1780230000
8	35.56	(1.400)	50	1775062001	1780240000
9	40.64	(1.600)	50	1775072001	1780250000
10	45.72	(1.800)	50	1775082001	1780260000
11	50.80	(2.000)	50	1775092001	1780270000
12	55.88	(2.200)	50	1775102001	1780280000
13	60.96	(2.400)	50	1775112001	1780290000
14	66.04	(2.600)	50	1775122001	1780300000
15	71.12	(2.800)	50	1775132001	1780310000
16	76.20	(3.000)	50	1775142001	1780320000
17	81.28	(3.200)	20	1775152001	1780330000
18	86.36	(3.400)	20	1775162001	1780340000
19	91.44	(3.600)	20	1775172001	1780350000
20	96.52	(3.800)	20	1775182001	1780360000
21	101.60	(4.000)	20	1775192001	1780370000
22	106.68	(4.200)	20	1775202001	1780380000
23	111.76	(4.400)	20	1775212001	1780390000
24	116.84	(4.600)	20	1775222001	1780400000

#### Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1797080000	1840120000
3	10.00	(0.394)	100	1797090000	1840130000
4	15.00	(0.591)	100	1797100000	1840140000
5	20.00	(0.787)	50	1797110000	1840150000
6	25.00	(0.984)	50	1797120000	1840160000
7	30.00	(1.181)	50	1797130000	1840170000
8	35.00	(1.378)	50	1797140000	1840180000
9	40.00	(1.575)	50	1797150000	1840190000
10	45.00	(1.772)	50	1797160000	1840200000
11	50.00	(1.969)	50	1797170000	1840210000
12	55.00	(2.165)	50	1797180000	1840220000
13	60.00	(2.362)	50	1797190000	1840230000
14	65.00	(2.559)	50	1797200000	1840240000
15	70.00	(2.756)	50	1797210000	1840250000
16	75.00	(2.953)	50	1797220000	1840260000
17	80.00	(3.150)	20		1840270000
18	85.00	(3.346)	20		1840280000
19	90.00	(3.543)	20		1840290000
20	95.00	(3.740)	20		1840300000
21	100.00	(3.937)	20		1840310000
22	105.00	(4.134)	20		1840320000
23	110.00	(4.331)	20		1840330000
24	115.00	(4.528)	20		1840340000

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



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



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)	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	

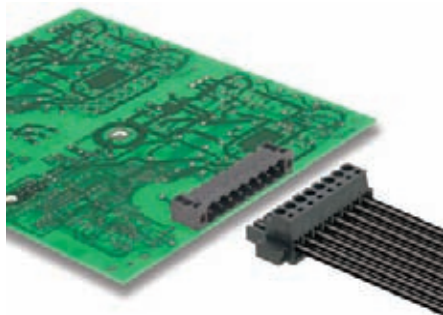
Pitch 5.00 mm

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

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

Male connectors with THR solder connection

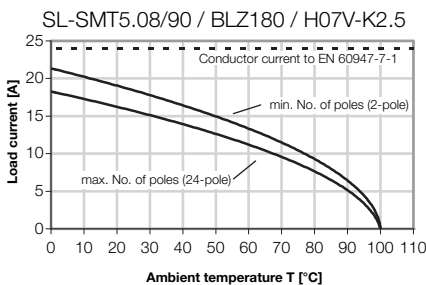
SL-SMT 5.08/90F



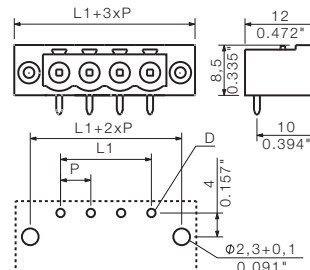
High-temperature-resistant, 90° angled, male connector with flange. Packed in box. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors can be labelled and coded.

- 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.	mm <sup>2</sup>	
Solid H05(07) V-U	mm <sup>2</sup>	
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	
Flexible with ferrule	mm <sup>2</sup>	
Ferrule with plastic collar	mm <sup>2</sup>	
Stripping length	mm	
Screwdriver blade	mm	
according to norm		
Tightening torque range	Nm	

Rated current

at ambient temperature	20°C	40°C
	19	16

Overvoltage category

	III	III	II
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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

CSA C22.2 rated data

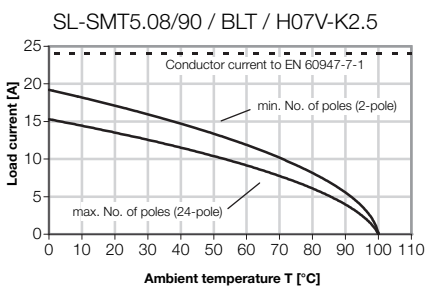
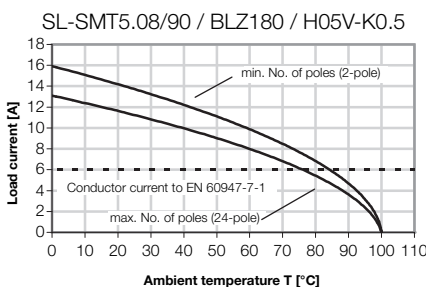
	B	C	D
Rated voltage	V	300	300
Rated current	A	15	10

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	3.2 mm
Colour of plastic	black

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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

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### 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



## Male connectors with THR solder connection

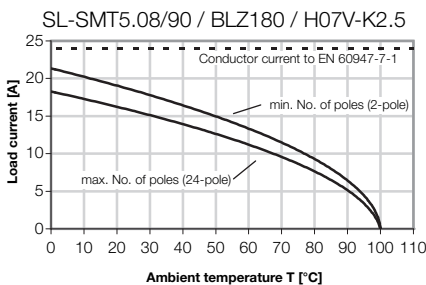
### SL-SMT 5.08/90LF SL-SMT 5.00/90LF



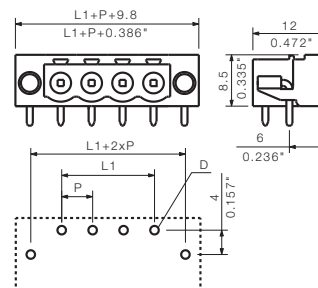
High-temperature-resistant, 90° angled, male connector with solder flange. Packed in box or tape. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors can be labelled and coded.

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

### Derating curve



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



### Technical data

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

Clamping range, max.	mm <sup>2</sup>
Solid H05(07) V-U	mm <sup>2</sup>
Stranded H07 V-R	mm <sup>2</sup>
Flexible H05(07) V-K	mm <sup>2</sup>
Flexible with ferrule	mm <sup>2</sup>
Ferrule with plastic collar	mm <sup>2</sup>
Stripping length	mm
Screwdriver blade	mm
according to norm	
Tightening torque range	Nm

#### Rated current

at ambient temperature	20°C	40°C
	A	A
	19	16

#### Overvoltage category

	III	III	II
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#### 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

#### CSA C22.2 rated data

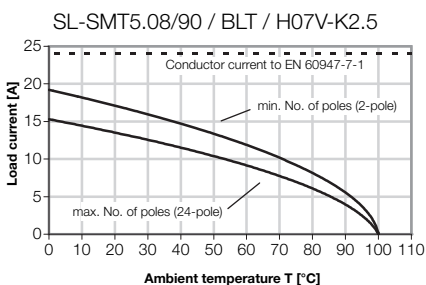
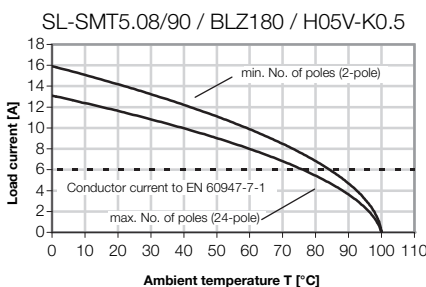
	B	C	D
Rated voltage	V	300	300
Rated current	A	15	10

#### 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	1775232001	1780410000
3	10.16	(0.400)	100	1775242001	1780420000
4	15.24	(0.600)	100	1775252001	1780430000
5	20.32	(0.800)	50	1775262001	1780440000
6	25.40	(1.000)	50	1775272001	1780450000
7	30.48	(1.200)	50	1775282001	1780460000
8	35.56	(1.400)	50	1775292001	1780470000
9	40.64	(1.600)	50	1775302001	1780480000
10	45.72	(1.800)	50	1775312001	1780490000
11	50.80	(2.000)	50	1775322001	1780500000
12	55.88	(2.200)	50	1775332001	1780510000
13	60.96	(2.400)	50	1775342001	1780540000
14	66.04	(2.600)	50	1775352001	1780550000
15	71.12	(2.800)	50	1775362001	1780560000
16	76.20	(3.000)	50	1775372001	1780570000
17	81.28	(3.200)	20	1775382001	1780580000
18	86.36	(3.400)	20	1775392001	1780590000
19	91.44	(3.600)	20	1775402001	1780600000
20	96.52	(3.800)	20	1775412001	1780610000
21	101.60	(4.000)	20	1775422001	1780620000
22	106.68	(4.200)	20	1775432001	1780630000
23	111.76	(4.400)	20	1775442001	1780640000
24	116.84	(4.600)	20	1775452001	1780650000

#### 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



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



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)	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	

Pitch 5.00 mm

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

## Male connectors with THR solder connection

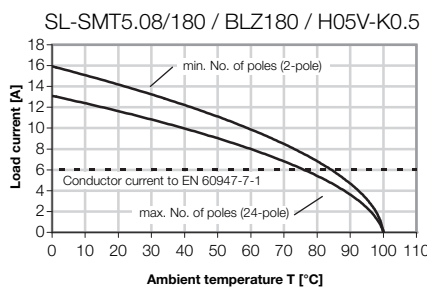
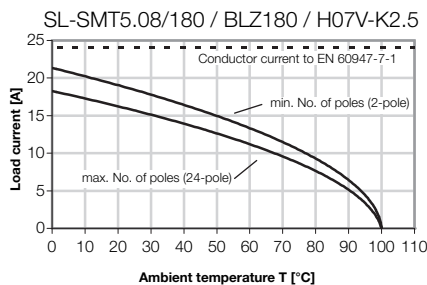
### SL-SMT 5.08/180 SL-SMT 5.00/180



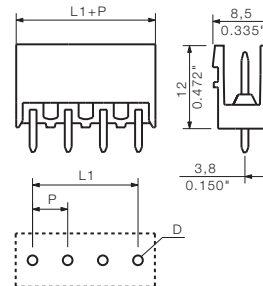
High-temperature-resistant, straight, open ended male connector. Packed in box or tape on reel. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors can be labelled and coded.

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

### Derating curve



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



### Technical data

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

Clamping range, max.	mm <sup>2</sup>
Solid H05(07) V-U	mm <sup>2</sup>
Stranded H07 V-R	mm <sup>2</sup>
Flexible H05(07) V-K	mm <sup>2</sup>
Flexible with ferrule	mm <sup>2</sup>
Ferrule with plastic collar	mm <sup>2</sup>
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
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#### Pollution severity

3	2	2
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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

#### 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	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 5.08/180 Tape  
SL-SMT 5.00/180 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
Colour of plastic	black

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	250	1821100000	
3	10.16	(0.400)	250	1821110000	
4	15.24	(0.600)	250	1775594001	
5	20.32	(0.800)	250	1775634001	
6	25.40	(1.000)	250	1775644001	
7	30.48	(1.200)	250	1775654001	
8	35.56	(1.400)	250	1775664001	

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	250	1797800000	
3	10.00	(0.394)	250	1797810000	
4	15.00	(0.591)	250	1797820000	
5	20.00	(0.787)	250	1797830000	
6	25.00	(0.984)	250	1797840000	
7	30.00	(1.181)	250	1797850000	
8	35.00	(1.378)	250	1797860000	

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

Male connectors with THR solder connection

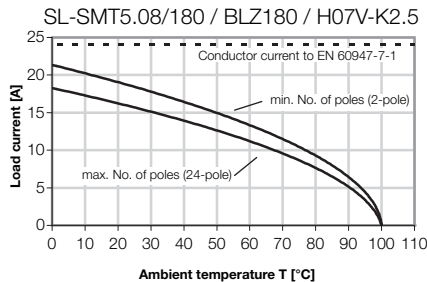
SL-SMT 5.08/180G  
SL-SMT 5.00/180G



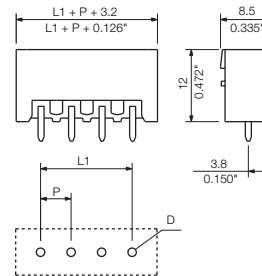
High-temperature-resistant, straight, closed ended. Packed in box or tape on reel. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors can be labelled and coded.

- 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 <sup>2</sup>
Solid H05(07) V-U	mm <sup>2</sup>
Stranded H07 V-R	mm <sup>2</sup>
Flexible H05(07) V-K	mm <sup>2</sup>
Flexible with ferrule	mm <sup>2</sup>
Ferrule with plastic collar	mm <sup>2</sup>
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
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Pollution severity

3	2	2
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Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4

UL 1059 rated data

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

CSA C22.2 rated data

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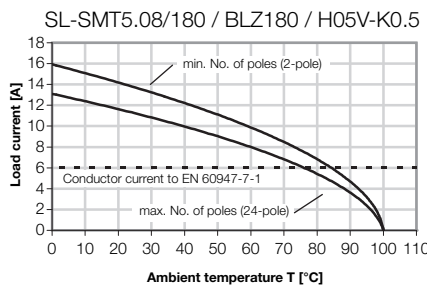
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			

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.



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	1776242001	1838320000
14	66.04	(2.600)	50	1776252001	1838330000
15	71.12	(2.800)	50	1776262001	1838340000
16	76.20	(3.000)	50	1776272001	1838350000
17	81.28	(3.200)	20	1776282001	1838360000
18	86.36	(3.400)	20	1776292001	1838370000
19	91.44	(3.600)	20	1776302001	1838380000
20	96.52	(3.800)	20	1776312001	1838390000
21	101.60	(4.000)	20	1776322001	1838400000
22	106.68	(4.200)	20	1776332001	1838410000
23	111.76	(4.400)	20	1776342001	1838420000
24	116.84	(4.600)	20	1776352001	1838430000

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 5.08/180G Tape  
SL-SMT 5.00/180G 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
Colour of plastic	black

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	250	1820170000	
3	10.16	(0.400)	250	1775934001	
4	15.24	(0.600)	250	1775944001	
5	20.32	(0.800)	250	1775954001	
6	25.40	(1.000)	250	1775964001	
7	30.48	(1.200)	250	1775974001	

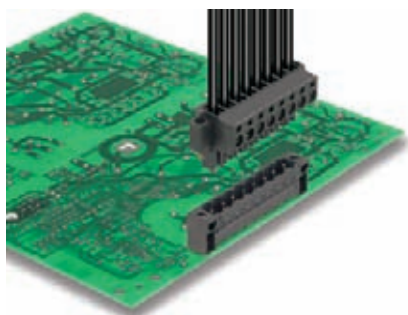
Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	250	1797870000	
3	10.00	(0.394)	250	1797880000	
4	15.00	(0.591)	250	1797890000	
5	20.00	(0.787)	250	1797900000	
6	25.00	(0.984)	250	1797910000	
7	30.00	(1.181)	250	1797920000	

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

Male connectors with THR solder connection

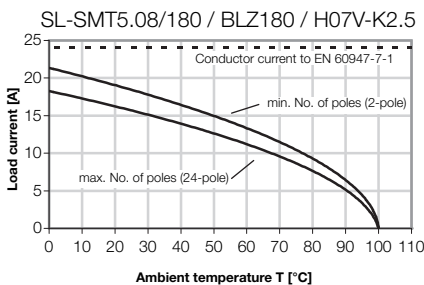
SL-SMT 5.08/180F



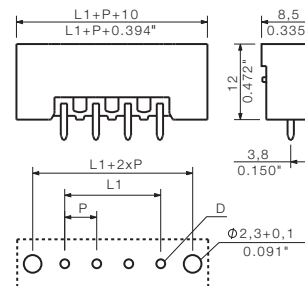
High-temperature-resistant, straight, male connector with flange. Packed in a box or tape on reel. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors can be labelled and coded.

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

Derating curve



SL-SMT 5.08/180F Box



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm <sup>2</sup>
Solid H05(07) V-U	mm <sup>2</sup>
Stranded H07 V-R	mm <sup>2</sup>
Flexible H05(07) V-K	mm <sup>2</sup>
Flexible with ferrule	mm <sup>2</sup>
Ferrule with plastic collar	mm <sup>2</sup>
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
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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
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Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			

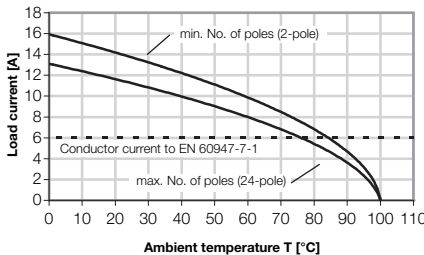
Material data

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.

SL-SMT5.08/180 / BLZ180 / H05V-K0.5



Ordering data

Solder pin length	3.2 mm
Colour of plastic	black

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	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

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### Possible colors

Additional colours on request



### Coding

See chapter accessories



### Marking strips

See chapter accessories



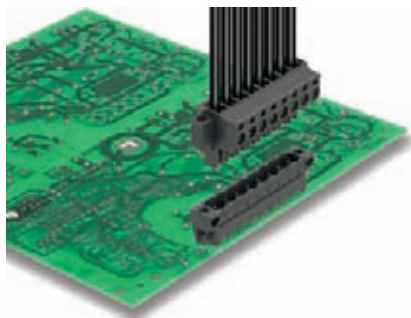
### Compartment partition element

See chapter accessories



## Male connectors with THR solder connection

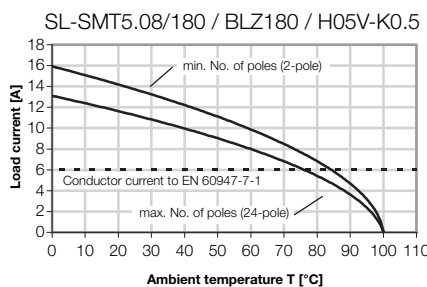
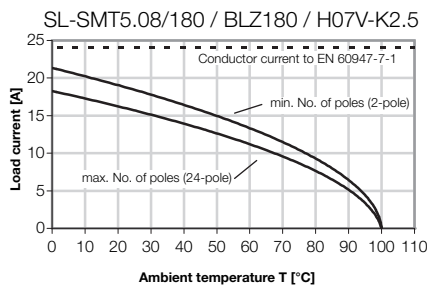
### SL-SMT 5.08/180LF SL-SMT 5.00/180LF



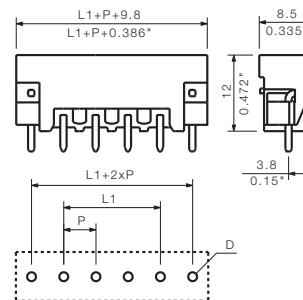
High-temperature-resistant, straight, male connector with solder flange. Packed in a box or tape on reel. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors can be labelled and coded.

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

### Derating curve



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



### Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm <sup>2</sup>		
Solid H05(07) V-U	mm <sup>2</sup>		
Stranded H07 V-R	mm <sup>2</sup>		
Flexible H05(07) V-K	mm <sup>2</sup>		
Flexible with ferrule	mm <sup>2</sup>		
Ferrule with plastic collar	mm <sup>2</sup>		
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.

### 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



**Marking strips**

See chapter accessories



**Compartment partition element**

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	

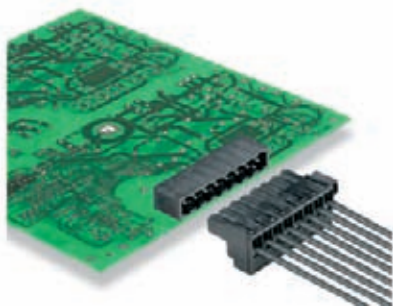
**Pitch 5.00 mm**

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

## Male connectors with THR solder connection

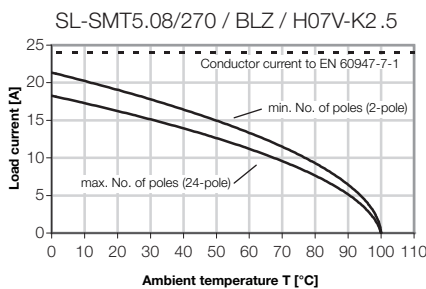
### SL-SMT 5.08/270 GL



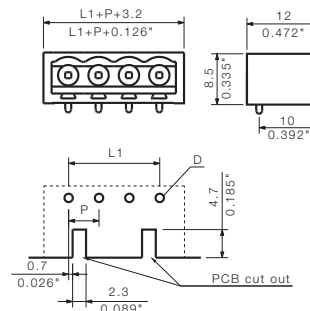
High-temperature-resistant, 270° angled, low, closed ended male connector. Packed in a box or tape on reel. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors can be labelled and coded.

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

### Derating curve



### SL-SMT 5.08/270 GL Box



### Technical data

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

Clamping range, max.	mm <sup>2</sup>
Solid H05(07) V-U	mm <sup>2</sup>
Stranded H07 V-R	mm <sup>2</sup>
Flexible H05(07) V-K	mm <sup>2</sup>
Flexible with ferrule	mm <sup>2</sup>
Ferrule with plastic collar	mm <sup>2</sup>
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
--	---	---	---

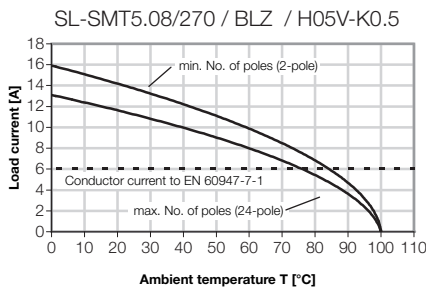
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			

#### Material data

Type of insulating material	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	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

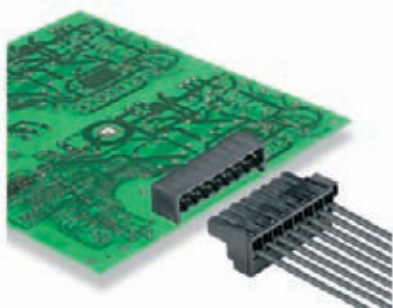
Pitch 5.08 mm

Poles	L1 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

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

## Male connectors with THR solder connection

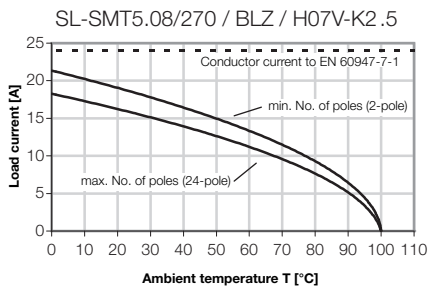
### SL-SMT 5.08/270 GH



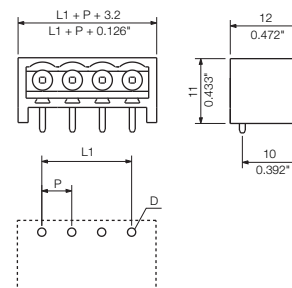
High-temperature-resistant, 270° angled, high, closed ended male connector. Packed in a box or tape on reel. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors can be labelled and coded.

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

### Derating curve



### SL-SMT 5.08/270 GH Box



### Technical data

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

Clamping range, max.	mm <sup>2</sup>
Solid H05(07) V-U	mm <sup>2</sup>
Stranded H07 V-R	mm <sup>2</sup>
Flexible H05(07) V-K	mm <sup>2</sup>
Flexible with ferrule	mm <sup>2</sup>
Ferrule with plastic collar	mm <sup>2</sup>
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
--	---	---	---

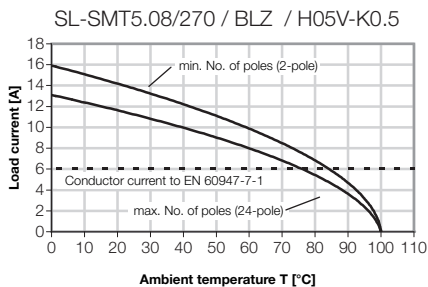
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			

#### Material data

Type of insulating material	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	1876340000	1877370000
3	10.16	(0.400)	100	1877010000	1877380000
4	15.24	(0.600)	100	1877030000	1877390000
5	20.32	(0.800)	50	1877040000	1877400000
6	25.40	(1.000)	50	1877050000	1877410000
7	30.48	(1.200)	50	1877060000	1877420000
8	35.56	(1.400)	50	1877080000	1877450000

SL-SMT 5.08/270 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

Poles	L1 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

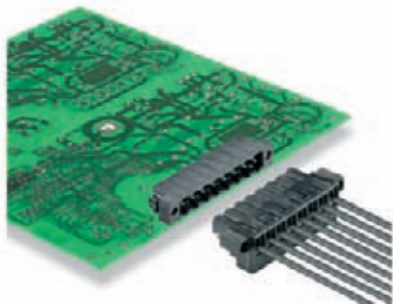
See chapter accessories



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

## Male connectors with THR solder connection

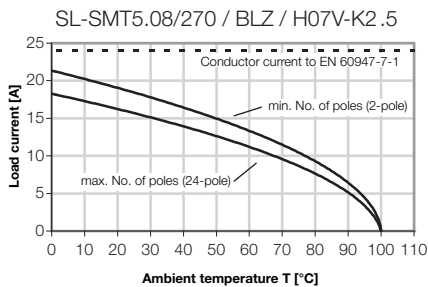
### SL-SMT 5.08/270 FL



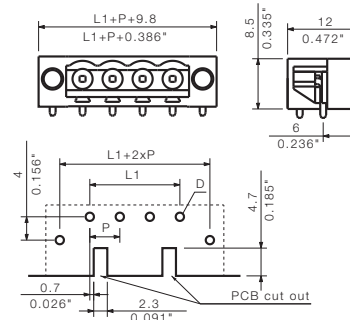
High-temperature-resistant, 270° angled, low male connector with solder flange. Packed in a box or in tape on reel. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors can be labelled and coded.

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

### Derating curve



### SL-SMT 5.08/270 FL Box



### Technical data

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

Clamping range, max.	mm <sup>2</sup>
Solid H05(07) V-U	mm <sup>2</sup>
Stranded H07 V-R	mm <sup>2</sup>
Flexible H05(07) V-K	mm <sup>2</sup>
Flexible with ferrule	mm <sup>2</sup>
Ferrule with plastic collar	mm <sup>2</sup>
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

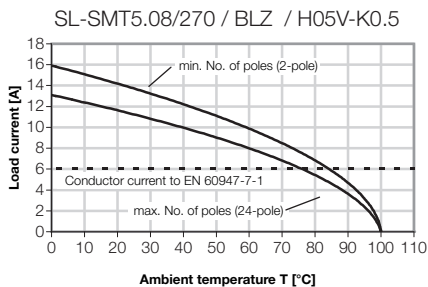
	B	C	D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			

#### Material data

Type of insulating material	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	1878090000	1876850000
3	10.16	(0.400)	100	1878110000	1876860000
4	15.24	(0.600)	100	1878120000	1876870000
5	20.32	(0.800)	50	1878130000	1876880000
6	25.40	(1.000)	50	1878140000	1876890000
7	30.48	(1.200)	50	1878150000	1876900000
8	35.56	(1.400)	50	1878160000	1876910000

SL-SMT 5.08/270 FL 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

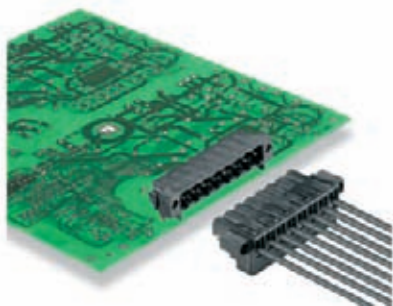
Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	200	1876990000	1876730000
3	10.16	(0.400)	200	1877000000	1876720000
4	15.24	(0.600)	200	1877020000	1876710000
5	20.32	(0.800)	200	1877070000	1876700000
6	25.40	(1.000)	200	1877090000	1876690000
7	30.48	(1.200)	200	1877110000	1876680000
8	35.56	(1.400)	200	1877120000	1876670000

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

## Male connectors with THR solder connection

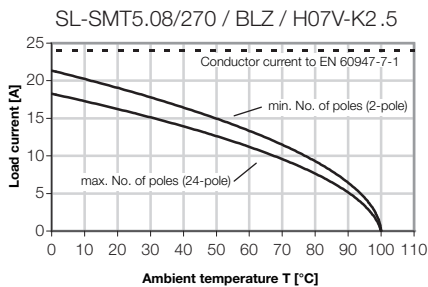
### SL-SMT 5.08/270 FH



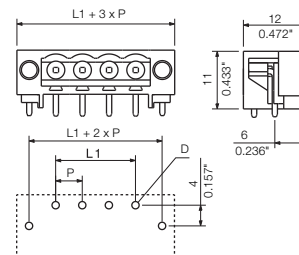
High-temperature-resistant, 270° angled, high level male connector with solder flange. Packed in a box or in tape on reel. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors can be labelled and coded.

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

### Derating curve



### SL-SMT 5.08/270 FH Box



### Technical data

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

Clamping range, max.	mm <sup>2</sup>
Solid H05(07) V-U	mm <sup>2</sup>
Stranded H07 V-R	mm <sup>2</sup>
Flexible H05(07) V-K	mm <sup>2</sup>
Flexible with ferrule	mm <sup>2</sup>
Ferrule with plastic collar	mm <sup>2</sup>
Stripping length	mm
Screwdriver blade	mm
according to norm	
Tightening torque range	Nm

#### Rated current

at ambient temperature	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

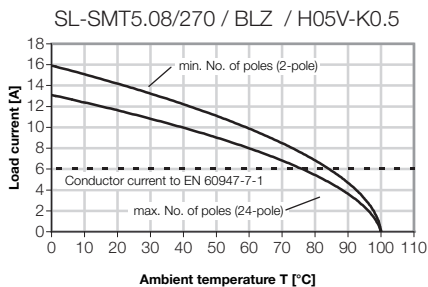
	B	C	D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			

#### Material data

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

#### 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	1877960000	1877190000
3	10.16	(0.400)	100	1877970000	1877210000
4	15.24	(0.600)	100	1877980000	1877330000
5	20.32	(0.800)	50	1877990000	1877430000
6	25.40	(1.000)	50	1878000000	1877460000
7	30.48	(1.200)	50	1878010000	1877480000
8	35.56	(1.400)	50	1878020000	1877500000



SL-SMT 5.08/270 FH 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

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	335	1876920000	1876840000
3	10.16	(0.400)	335	1876930000	1876830000
4	15.24	(0.600)	335	1876940000	1876820000
5	20.32	(0.800)	335	1876950000	1876810000
6	25.40	(1.000)	335	1876960000	1876800000
7	30.48	(1.200)	285	1876970000	1876790000
8	35.56	(1.400)	285	1876980000	1876740000

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

## Male connectors with THR solder connection

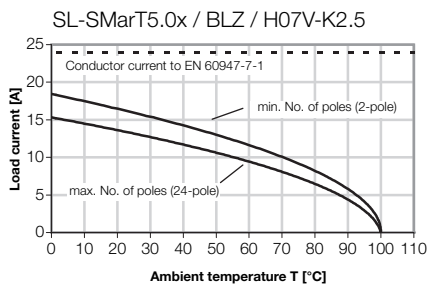
### SL-SMaT 5.0x



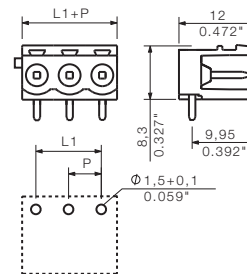
High-temperature-resistant male connector for side-by-side mounting. Packed in tape on reel format with 1.5 mm solder pin. Optimised for automatic assembly and suitable for reflow soldering. These male connectors can be labelled and coded.

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

### Derating curve



### SL-SMaT 5.0x/90 Tape



### Technical data

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

Clamping range, max.	mm <sup>2</sup>
Solid H05(07) V-U	mm <sup>2</sup>
Stranded H07 V-R	mm <sup>2</sup>
Flexible H05(07) V-K	mm <sup>2</sup>
Flexible with ferrule	mm <sup>2</sup>
Ferrule with plastic collar	mm <sup>2</sup>
Stripping length	mm
Screwdriver blade	mm
according to norm	
Tightening torque range	Nm

#### Rated current

at ambient temperature	20°C	40°C
A	16.5	14

#### Overvoltage category

	III	III	II
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#### Pollution severity

	3	2	2
--	---	---	---

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

#### UL 1059 rated data

		<b>B</b>	<b>C</b>	<b>D</b>
Nominal voltage	V	300	300	300
Rated current	A	15	10	10

#### CSA C22.2 rated data

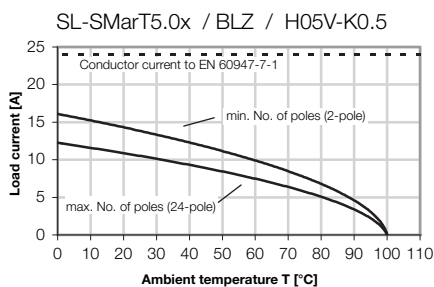
		<b>B</b>	<b>C</b>	<b>D</b>
Rated voltage	V	300	300	300
Rated current	A	15	10	10

#### 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.
- 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.



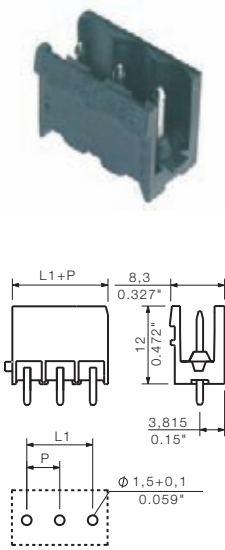
### Ordering data

Solder pin length	1.5 mm
Colour of plastic	black

Pitch 5.0X mm		Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	350	1812430000			
3	10.16	(0.400)	350	1812440000			

Tape widths: 32  
May be used for 5.00 and 5.08 mm pitches

SL-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:

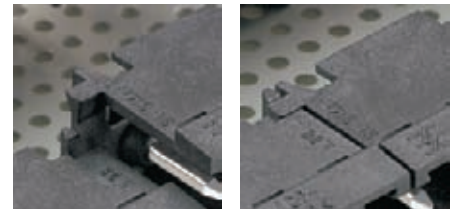
- minimum weight
- compact form
- processing in automatic PCB assembly machines
- maximum assembly speed
- standardised automatic packing
- space-saving feeding in automatic machines (feeder as narrow as possible)
- no pick&place pad required

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.

## Male connectors with THR solder connection

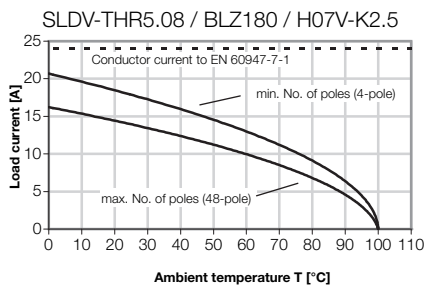
### SLDV-THR 5.00 G



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. These male connectors provide space for labelling and can be coded. Packed in cardboard box.

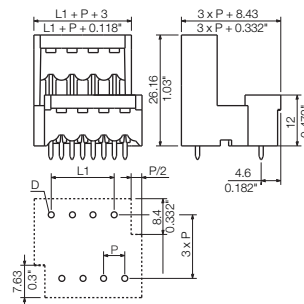
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

### Derating curve



### SLDV-THR 5.00/180G Box

without solder flange



### Technical data

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

Clamping range, max.	mm <sup>2</sup>	
Solid H05(07) V-U	mm <sup>2</sup>	
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	
Flexible with ferrule	mm <sup>2</sup>	
Ferrule with plastic collar	mm <sup>2</sup>	
Stripping length	mm	
Screwdriver blade	mm	
according to norm		
Tightening torque range	Nm	

#### Rated current

at ambient temperature	20°C	40°C
A	15	13

#### Overvoltage category

	III	III	II
Pollution severity	3	2	2

#### Rated voltage

	V	320	400
Rated impulse voltage	kV	4	4

#### UL 1059 rated data

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

#### CSA C22.2 rated data

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

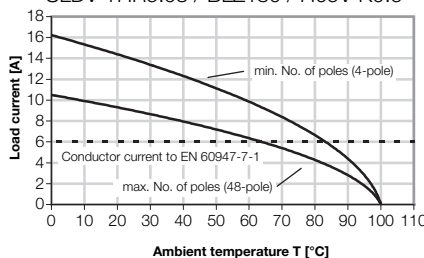
#### Material data

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.

### SLDV-THR5.08 / BLZ180 / H05V-K0.5



### Ordering data

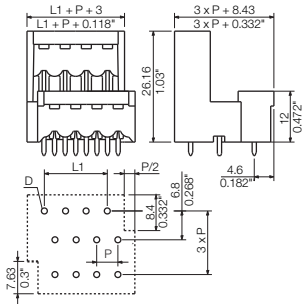
Solder pin length	1.5 mm	3.2 mm
Colour of plastic	black	black

#### 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	1862370000
10	20.00	(0.787)	50	1895010000	1882710000
12	25.00	(0.984)	50	1895020000	1882720000
14	30.00	(1.181)	20	1895030000	1882730000
16	35.00	(1.378)	20	1895040000	1862380000
18	40.00	(1.575)	20	1895050000	1882740000
20	45.00	(1.772)	20	1895060000	1862390000
22	50.00	(1.969)	10	1895070000	1882750000
24	55.00	(2.165)	10	1895080000	1882760000
26	60.00	(2.362)	10	1895090000	1882770000
28	65.00	(2.559)	10	1895100000	1882780000
30	70.00	(2.756)	10	1895110000	1882790000
32	75.00	(2.953)	10	1895120000	1882800000
34	80.00	(3.150)	10	1895130000	1882810000
36	85.00	(3.346)	10	1895140000	1882820000
38	90.00	(3.543)	10	1895150000	1882830000
40	95.00	(3.740)	10	1895180000	1862400000
42	100.00	(3.937)	10	1895190000	1882840000
44	105.00	(4.134)	10	1895200000	1882850000
46	110.00	(4.331)	10	1895210000	1882860000
48	115.00	(4.528)	10	1895220000	1882870000

**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

**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

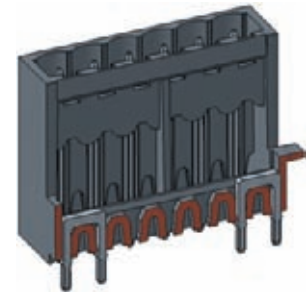


**SLDV-THR 180GLF**

The space-saving 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.

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.



Male connectors with THR solder connection

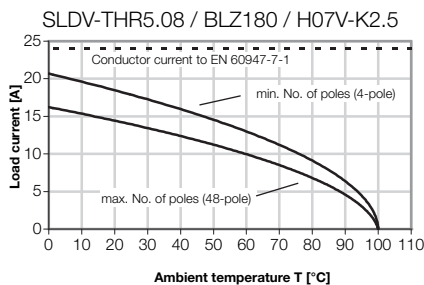
SLDV-THR 5.08  
SLDV-THR 5.00



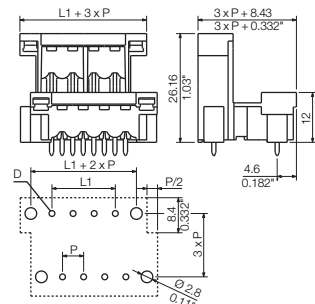
High-temperature-resistant, double level, laterally offset male connector with flange or solder flange. 1.5 mm solder pin suitable for reflow soldering. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors can be labelled and coded. Packaged in cardboard box.

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

Derating curve



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



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm <sup>2</sup>	
Solid H05(07) V-U	mm <sup>2</sup>	
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	
Flexible with ferrule	mm <sup>2</sup>	
Ferrule with plastic collar	mm <sup>2</sup>	
Stripping length	mm	
Screwdriver blade	mm	
according to norm		
Tightening torque range	Nm	

Rated current at ambient temperature

	20°C	40°C
A	15	13

Overvoltage category  
Pollution severity

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	10	10

CSA C22.2 rated data

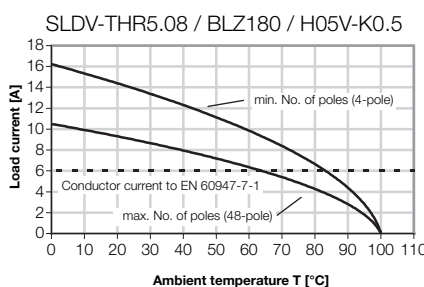
	B	C	D
Rated voltage	V	300	300
Rated current	A	10	10

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
- 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.



Ordering data

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

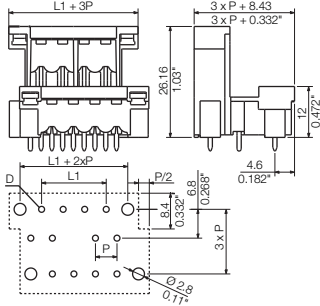
Pitch 5.08 mm

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	1883010000
22	50.00	(1.969)	10	1895320000	1883020000
24	55.00	(2.165)	10	1895330000	1883030000
26	60.00	(2.362)	10	1895340000	1883040000
28	65.00	(2.559)	10	1895350000	1883050000
30	70.00	(2.756)	10	1895360000	1883060000
32	75.00	(2.953)	10	1895370000	1883070000
34	80.00	(3.150)	10	1895380000	1883080000
36	85.00	(3.346)	10	1895390000	1883090000
38	90.00	(3.543)	10	1895400000	1883100000
40	95.00	(3.740)	10	1895410000	1883110000
42	100.00	(3.937)	10	1895420000	1883120000
44	105.00	(4.134)	10	1895430000	1883130000
46	110.00	(4.331)	10	1895440000	1883140000
48	115.00	(4.528)	10	1895450000	1883150000

**SLDV-THR 5.08/180FLF 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

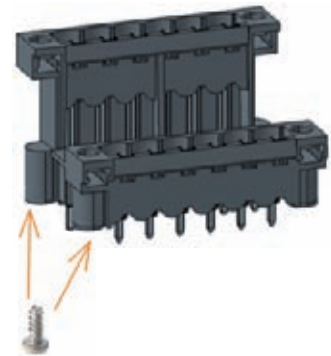


**SLDV-THR 180F**  
**SLDV-THR 180FLF**

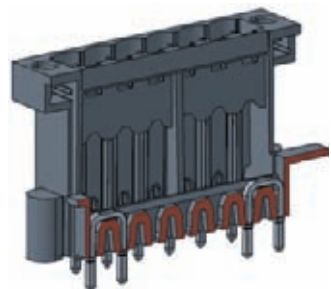
The space-saving SLDVTHR double level male connector complements the reflow-compatible products from Weidmüller. High-temperature-resistant plastics enable the product to be integrated into the reflow soldering process.

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.../.../..F).

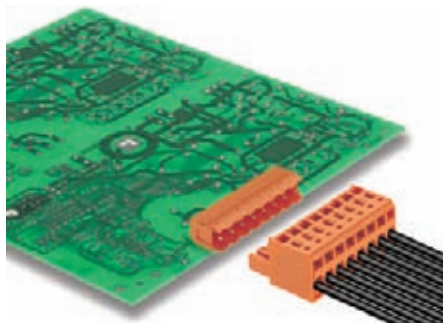


2. With solder flange for fixing to the PCB without screws. Additional solder pins in optimum positions which do not have an electrical function, relieve the mechanical loads on the contact pins. In some applications it is no longer necessary to screw the male connector to the PCB (see SLDV-THR.../.../..FLF).



## Male connectors with solder connection

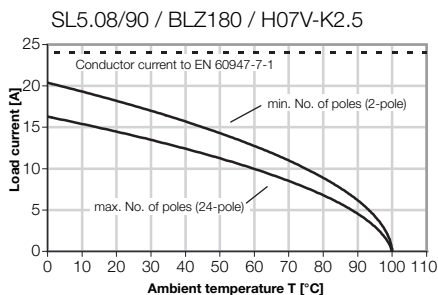
SL 5.08/90  
SL 5.00/90



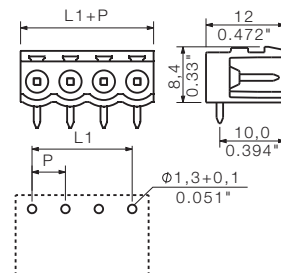
Male connector with 90° outlet direction. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length has been optimised for wave soldering applications. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

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

## Derating curve



SL 5.08/90  
SL 5.00/90



## Technical data

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

Clamping range, max.	mm <sup>2</sup>
Solid H05(07) V-U	mm <sup>2</sup>
Stranded H07 V-R	mm <sup>2</sup>
Flexible H05(07) V-K	mm <sup>2</sup>
Flexible with ferrule	mm <sup>2</sup>
Ferrule with plastic collar	mm <sup>2</sup>
Stripping length	mm
Screwdriver blade	mm
according to norm	
Tightening torque range	Nm

Rated current at ambient temperature		20°C	40°C
		A	15

Overvoltage category	III	III	II
Pollution severity	3	2	2

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

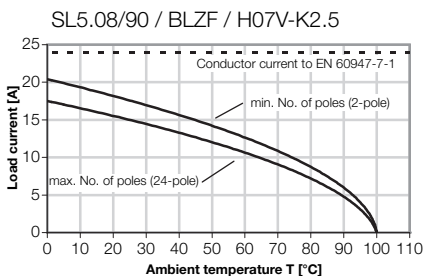
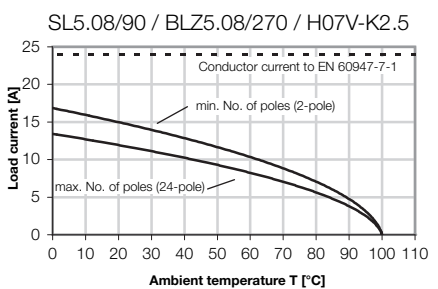
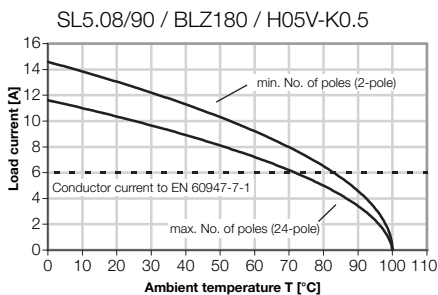
UL 1059 rated data			
	B	C	D
Nominal voltage	V	300	300
Rated current	A	15	10
AWG conductor			

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	PBT
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.
- 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

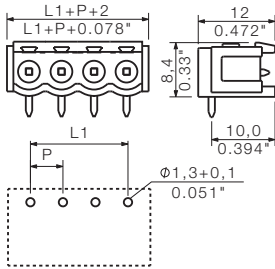
Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1508060000	
3	10.16	(0.400)	100	1508160000	
4	15.24	(0.600)	100	1508260000	
5	20.32	(0.800)	50	1508360000	
6	25.40	(1.000)	50	1508460000	
7	30.48	(1.200)	50	1508560000	
8	35.56	(1.400)	50	1508660000	
9	40.64	(1.600)	50	1508760000	
10	45.72	(1.800)	50	1508860000	
11	50.80	(2.000)	50	1508960000	
12	55.88	(2.200)	50	1509060000	
13	60.96	(2.400)	50	1509160000	
14	66.04	(2.600)	50	1509260000	
15	71.12	(2.800)	50	1509360000	
16	76.20	(3.000)	50	1509460000	
17	81.28	(3.200)	20	1509560000	
18	86.36	(3.400)	20	1509660000	
19	91.44	(3.600)	20	1509760000	
20	96.52	(3.800)	20	1509860000	
21	101.60	(4.000)	20	1509960000	
22	106.68	(4.200)	20	1510060000	
23	111.76	(4.400)	20	1510160000	
24	116.84	(4.600)	20	1510260000	

Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1571130000	
3	10.00	(0.394)	100	1571140000	
4	15.00	(0.591)	100	1571150000	
5	20.00	(0.787)	50	1571160000	
6	25.00	(0.984)	50	1571170000	
7	30.00	(1.181)	50	1571180000	
8	35.00	(1.378)	50	1571190000	
9	40.00	(1.575)	50	1571200000	
10	45.00	(1.772)	50	1571210000	
11	50.00	(1.969)	50	1571220000	
12	55.00	(2.165)	50	1571110000	
13	60.00	(2.362)	50	1571230000	
14	65.00	(2.559)	50	1571240000	
15	70.00	(2.756)	50	1571250000	
16	75.00	(2.953)	50	1571260000	
17	80.00	(3.150)	20	1571270000	
18	85.00	(3.346)	20	1571280000	
19	90.00	(3.543)	20	1571290000	
20	95.00	(3.740)	20	1571300000	
21	100.00	(3.937)	20	1571310000	
22	105.00	(4.134)	20	1571320000	
23	110.00	(4.331)	20	1571330000	
24	115.00	(4.528)	20	1571340000	



SL 5.08/90B  
SL 5.00/90B



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1510360000	
3	10.16	(0.400)	100	1510460000	
4	15.24	(0.600)	100	1510560000	
5	20.32	(0.800)	50	1510660000	
6	25.40	(1.000)	50	1510760000	
7	30.48	(1.200)	50	1510860000	
8	35.56	(1.400)	50	1510960000	
9	40.64	(1.600)	50	1511060000	
10	45.72	(1.800)	50	1511160000	
11	50.80	(2.000)	50	1511260000	
12	55.88	(2.200)	50	1511360000	
13	60.96	(2.400)	50	1511460000	
14	66.04	(2.600)	50	1511560000	
15	71.12	(2.800)	50	1511660000	
16	76.20	(3.000)	50	1511760000	
17	81.28	(3.200)	20	1511860000	
18	86.36	(3.400)	20	1511960000	
19	91.44	(3.600)	20	1512060000	
20	96.52	(3.800)	20	1512160000	
21	101.60	(4.000)	20	1512260000	
22	106.68	(4.200)	20	1512360000	
23	111.76	(4.400)	20	1512460000	
24	116.84	(4.600)	20	1512560000	

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1580860000	
3	10.00	(0.394)	100	1580870000	
4	15.00	(0.591)	100	1580880000	
5	20.00	(0.787)	50	1580890000	
6	25.00	(0.984)	50	1580900000	
7	30.00	(1.181)	50	1580910000	
8	35.00	(1.378)	50	1580920000	
9	40.00	(1.575)	50	1580930000	
10	45.00	(1.772)	50	1580940000	
11	50.00	(1.969)	50	1580950000	
12	55.00	(2.165)	50	1580960000	
13	60.00	(2.362)	50	1580970000	
14	65.00	(2.559)	50	1580980000	
15	70.00	(2.756)	50	1580990000	
16	75.00	(2.953)	50	1581000000	
17	80.00	(3.150)	20	1581010000	
18	85.00	(3.346)	20	1581020000	
19	90.00	(3.543)	20	1581030000	
20	95.00	(3.740)	20	1581040000	
21	100.00	(3.937)	20	1581050000	
22	105.00	(4.134)	20	1581060000	
23	110.00	(4.331)	20	1581070000	
24	115.00	(4.528)	20	1581080000	



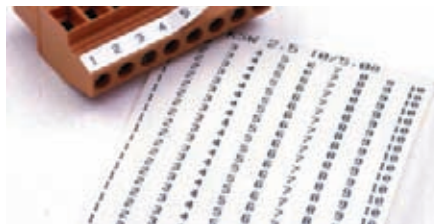
Fixing block

See chapter accessories



Marking strips

See chapter accessories



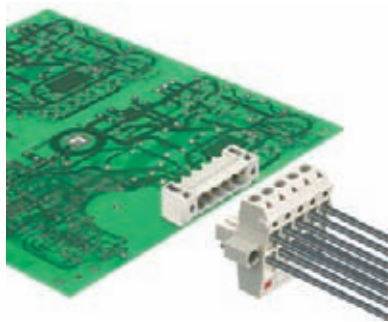
Floodlight indicator

See chapter accessories



## Male connectors with solder connection

### SL DN 5.08



Male connectors with two different spacers with 90° outlet direction. The additional screwed flange enables a vibration-proof connection. These male connectors with gold-plated pins are specifically designed as mating component for the Device Net female connectors. The SL DN provides space for labelling and can be coded. Packaged in cardboard box.

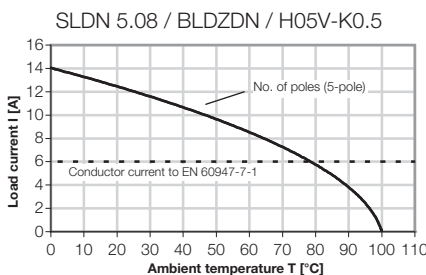
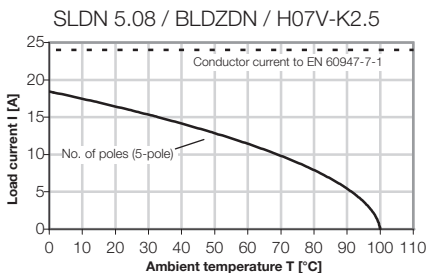
- 400 V (IEC) / 300 V (UL)
- 14 A (IEC) / 10 A (UL)

### Technical data

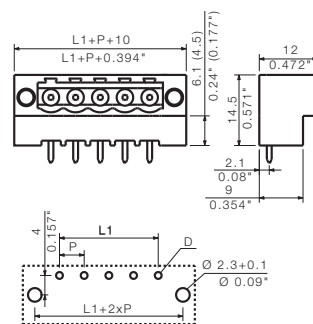
Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm <sup>2</sup>		
Solid H05(07) V-U	mm <sup>2</sup>		
Stranded H07 V-R	mm <sup>2</sup>		
Flexible H05(07) V-K	mm <sup>2</sup>		
Flexible with ferrule	mm <sup>2</sup>		
Ferrule with plastic collar	mm <sup>2</sup>		
Stripping length	mm		
Screwdriver blade	mm		
according to norm			
Tightening torque range	Nm		
Rated current at ambient temperature		20°C	40°C
	A	18	15
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	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		PBT	
Flammability class acc. UL94		V-0	
Contact base material		CuSn	
Material of contact surface		gold-plated	
Information			

- 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.

### Derating curve



### SL DN 5.08 90F



### Ordering data

Solder pin length		3.5 mm	3.5 mm
Colour of plastic		grey	grey
Pitch 5.08 mm			
Poles	L1 mm	(inch)	Qty.
5	20.32	(0.800)	50
5	20.32	(0.800)	50
Spacer 4.5		Order No.	Order No.
		1933170000	1933160000

## Accessories

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### Possible colors

Additional colours on request



### Coding

See chapter accessories



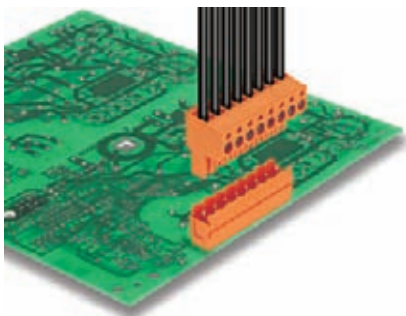
### Marking strips

See chapter accessories



Male connectors with solder connection

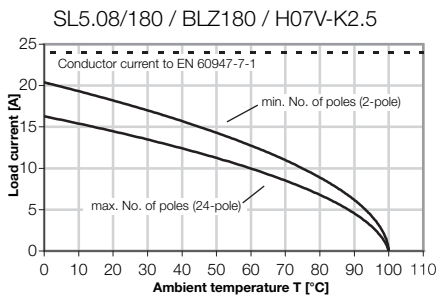
SL 5.08/180  
SL 5.00/180



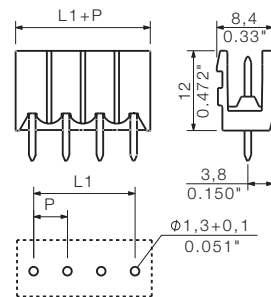
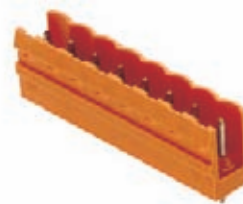
Male connector with straight outlet. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length has been optimised for wave soldering applications. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

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

Derating curve



SL 5.08/180  
SL 5.00/180



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm <sup>2</sup>
Solid H05(07) V-U	mm <sup>2</sup>
Stranded H07 V-R	mm <sup>2</sup>
Flexible H05(07) V-K	mm <sup>2</sup>
Flexible with ferrule	mm <sup>2</sup>
Ferrule with plastic collar	mm <sup>2</sup>
Stripping length	mm
Screwdriver blade according to norm	mm
Tightening torque range	Nm

Rated current at ambient temperature	20°C	40°C
	A	18 15

Overvoltage category	III	III	II
Pollution severity	3	2	2

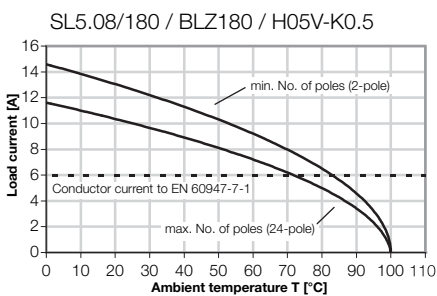
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4

<b>UL 1059 rated data</b>	<b>B</b>	<b>C</b>	<b>D</b>
Nominal voltage	V	300	300
Rated current	A	15	10
AWG conductor			

<b>CSA C22.2 rated data</b>	<b>B</b>	<b>C</b>	<b>D</b>
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			

<b>Material data</b>	
Type of insulating material	PBT
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.
  - 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.



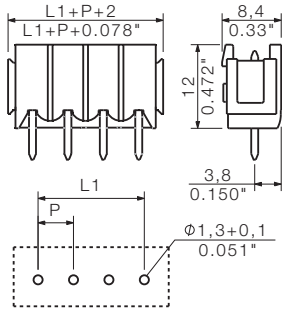
Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1517260000	
3	10.16	(0.400)	100	1517360000	
4	15.24	(0.600)	100	1517460000	
5	20.32	(0.800)	50	1517560000	
6	25.40	(1.000)	50	1517660000	
7	30.48	(1.200)	50	1517760000	
8	35.56	(1.400)	50	1517860000	
9	40.64	(1.600)	50	1517960000	
10	45.72	(1.800)	50	1518060000	
11	50.80	(2.000)	50	1518160000	
12	55.88	(2.200)	50	1518260000	
13	60.96	(2.400)	50	1518360000	
14	66.04	(2.600)	50	1518460000	
15	71.12	(2.800)	50	1518560000	
16	76.20	(3.000)	50	1518660000	
17	81.28	(3.200)	20	1518760000	
18	86.36	(3.400)	20	1518860000	
19	91.44	(3.600)	20	1518960000	
20	96.52	(3.800)	20	1519060000	
21	101.60	(4.000)	20	1519160000	
22	106.68	(4.200)	20	1519260000	
23	111.76	(4.400)	20	1519360000	
24	116.84	(4.600)	20	1519460000	

Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1581320000	
3	10.00	(0.394)	100	1581330000	
4	15.00	(0.591)	100	1581340000	
5	20.00	(0.787)	50	1581350000	
6	25.00	(0.984)	50	1581360000	
7	30.00	(1.181)	50	1581370000	
8	35.00	(1.378)	50	1581380000	
9	40.00	(1.575)	50	1581390000	
10	45.00	(1.772)	50	1581400000	
11	50.00	(1.969)	50	1581410000	
12	55.00	(2.165)	50	1581420000	
13	60.00	(2.362)	50	1581430000	
14	65.00	(2.559)	50	1581440000	
15	70.00	(2.756)	50	1581450000	
16	75.00	(2.953)	50	1581460000	
17	80.00	(3.150)	20	1581470000	
18	85.00	(3.346)	20	1581480000	
19	90.00	(3.543)	20	1581490000	
20	95.00	(3.740)	20	1581500000	
21	100.00	(3.937)	20	1581510000	
22	105.00	(4.134)	20	1581520000	
23	110.00	(4.331)	20	1581530000	
24	115.00	(4.528)	20	1581540000	

SL 5.08/180B  
SL 5.00/180B



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1519560000	
3	10.16	(0.400)	100	1519660000	
4	15.24	(0.600)	100	1519760000	
5	20.32	(0.800)	50	1519860000	
6	25.40	(1.000)	50	1519960000	
7	30.48	(1.200)	50	1520060000	
8	35.56	(1.400)	50	1520160000	
9	40.64	(1.600)	50	1520260000	
10	45.72	(1.800)	50	1520360000	
11	50.80	(2.000)	50	1520460000	
12	55.88	(2.200)	50	1520560000	
13	60.96	(2.400)	50	1520660000	
14	66.04	(2.600)	50	1520760000	
15	71.12	(2.800)	50	1520860000	
16	76.20	(3.000)	50	1520960000	
17	81.28	(3.200)	20	1521060000	
18	86.36	(3.400)	20	1521160000	
19	91.44	(3.600)	20	1521260000	
20	96.52	(3.800)	20	1521360000	
21	101.60	(4.000)	20	1521460000	
22	106.68	(4.200)	20	1521560000	
23	111.76	(4.400)	20	1521660000	
24	116.84	(4.600)	20	1521760000	

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1581780000	
3	10.00	(0.394)	100	1581790000	
4	15.00	(0.591)	100	1581800000	
5	20.00	(0.787)	50	1581810000	
6	25.00	(0.984)	50	1581820000	
7	30.00	(1.181)	50	1581830000	
8	35.00	(1.378)	50	1581840000	
9	40.00	(1.575)	50	1581850000	
10	45.00	(1.772)	50	1581860000	
11	50.00	(1.969)	50	1581870000	
12	55.00	(2.165)	50	1581880000	
13	60.00	(2.362)	50	1581890000	
14	65.00	(2.559)	50	1581900000	
15	70.00	(2.756)	50	1581910000	
16	75.00	(2.953)	50	1581920000	
17	80.00	(3.150)	20	1581930000	
18	85.00	(3.346)	20	1581940000	
19	90.00	(3.543)	20	1581950000	
20	95.00	(3.740)	20	1581960000	
21	100.00	(3.937)	20	1581970000	
22	105.00	(4.134)	20	1581980000	
23	110.00	(4.331)	20	1581990000	
24	115.00	(4.528)	20	1582000000	



Fixing block

See chapter accessories



Marking strips

See chapter accessories



## Male connectors with solder connection

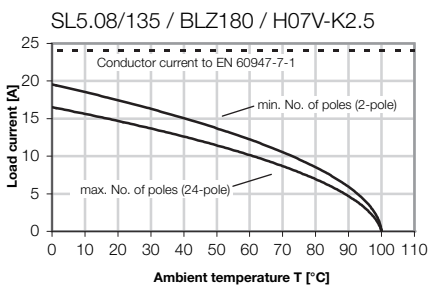
**SL 5.08/135**  
**SL 5.00/135**



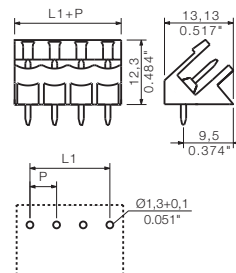
Male connector with 135° outlet direction. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length has been optimised for wave soldering applications. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

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

### Derating curve



**SL 5.08/135**  
**SL 5.00/135**



### Technical data

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

Clamping range, max.	mm <sup>2</sup>
Solid H05(07) V-U	mm <sup>2</sup>
Stranded H07 V-R	mm <sup>2</sup>
Flexible H05(07) V-K	mm <sup>2</sup>
Flexible with ferrule	mm <sup>2</sup>
Ferrule with plastic collar	mm <sup>2</sup>
Stripping length	mm
Screwdriver blade	mm
according to norm	
Tightening torque range	Nm

#### Rated current

at ambient temperature	20°C	40°C
A	17	15

#### 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

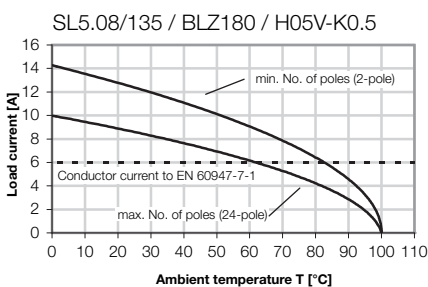
	B	C	D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			

#### Material data

Type of insulating material	PBT
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.
- 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

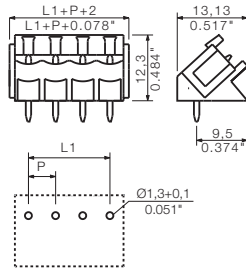
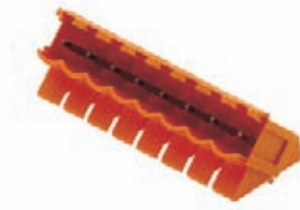
Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1603060000	
3	10.16	(0.400)	100	1603070000	
4	15.24	(0.600)	100	1603080000	
5	20.32	(0.800)	50	1603090000	
6	25.40	(1.000)	50	1603100000	
7	30.48	(1.200)	50	1603110000	
8	35.56	(1.400)	50	1603120000	
9	40.64	(1.600)	50	1603130000	
10	45.72	(1.800)	50	1603140000	
11	50.80	(2.000)	50	1603150000	
12	55.88	(2.200)	50	1603160000	
13	60.96	(2.400)	50	1603170000	
14	66.04	(2.600)	50	1603180000	
15	71.12	(2.800)	50	1603190000	
16	76.20	(3.000)	50	1603200000	
17	81.28	(3.200)	20	1603210000	
18	86.36	(3.400)	20	1603220000	
19	91.44	(3.600)	20	1603230000	
20	96.52	(3.800)	20	1603240000	
21	101.60	(4.000)	20	1603250000	
22	106.68	(4.200)	20	1603260000	
23	111.76	(4.400)	20	1603270000	
24	116.84	(4.600)	20	1603280000	

Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1630250000	
3	10.00	(0.394)	100	1630260000	
4	15.00	(0.591)	100	1630270000	
5	20.00	(0.787)	50	1630280000	
6	25.00	(0.984)	50	1630290000	
7	30.00	(1.181)	50	1630300000	
8	35.00	(1.378)	50	1630310000	
9	40.00	(1.575)	50	1630320000	
10	45.00	(1.772)	50	1630330000	
11	50.00	(1.969)	50	1630340000	
12	55.00	(2.165)	50	1630350000	
13	60.00	(2.362)	50	1630360000	
14	65.00	(2.559)	50	1630370000	
15	70.00	(2.756)	50	1630380000	
16	75.00	(2.953)	50	1630390000	
17	80.00	(3.150)	20	1630400000	
18	85.00	(3.346)	20	1630410000	
19	90.00	(3.543)	20	1630420000	
20	95.00	(3.740)	20	1630430000	
21	100.00	(3.937)	20	1630440000	
22	105.00	(4.134)	20	1630450000	
23	110.00	(4.331)	20	1630460000	
24	115.00	(4.528)	20	1630470000	

**SL 5.08/135B**  
**SL 5.00/135B**

**Accessories**



**Possible colors**

Additional colours on request



**Coding**

See chapter accessories

**Ordering data**

<b>Solder pin length</b>	<b>3.2 mm</b>
<b>Colour of plastic</b>	<b>orange</b>

**Pitch 5.08 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1605530000	
3	10.16	(0.400)	100	1605540000	
4	15.24	(0.600)	100	1605550000	
5	20.32	(0.800)	50	1605560000	
6	25.40	(1.000)	50	1605570000	
7	30.48	(1.200)	50	1605580000	
8	35.56	(1.400)	50	1605590000	
9	40.64	(1.600)	50	1605600000	
10	45.72	(1.800)	50	1605610000	
11	50.80	(2.000)	50	1605620000	
12	55.88	(2.200)	50	1605630000	
13	60.96	(2.400)	50	1605640000	
14	66.04	(2.600)	50	1605650000	
15	71.12	(2.800)	50	1605660000	
16	76.20	(3.000)	50	1605670000	
17	81.28	(3.200)	20	1605680000	
18	86.36	(3.400)	20	1605690000	
19	91.44	(3.600)	20	1605700000	
20	96.52	(3.800)	20	1605710000	
21	101.60	(4.000)	20	1605720000	
22	106.68	(4.200)	20	1605730000	
23	111.76	(4.400)	20	1605740000	
24	116.84	(4.600)	20	1605750000	

**Pitch 5.00 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1630480000	
3	10.00	(0.394)	100	1630490000	
4	15.00	(0.591)	100	1630500000	
5	20.00	(0.787)	50	1630510000	
6	25.00	(0.984)	50	1630520000	
7	30.00	(1.181)	50	1630530000	
8	35.00	(1.378)	50	1630540000	
9	40.00	(1.575)	50	1630550000	
10	45.00	(1.772)	50	1630560000	
11	50.00	(1.969)	50	1630570000	
12	55.00	(2.165)	50	1630580000	
13	60.00	(2.362)	50	1630590000	
14	65.00	(2.559)	50	1630600000	
15	70.00	(2.756)	50	1630610000	
16	75.00	(2.953)	50	1630620000	
17	80.00	(3.150)	20	1630630000	
18	85.00	(3.346)	20	1630640000	
19	90.00	(3.543)	20	1630650000	
20	95.00	(3.740)	20	1630660000	
21	100.00	(3.937)	20	1630670000	
22	105.00	(4.134)	20	1630680000	
23	110.00	(4.331)	20	1630690000	
24	115.00	(4.528)	20	1630700000	



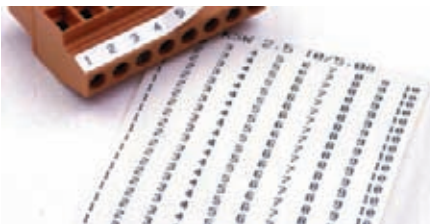
**Fixing block**

See chapter accessories



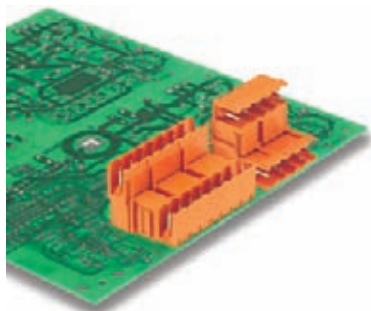
**Marking strips**

See chapter accessories



Male connectors with solder connection

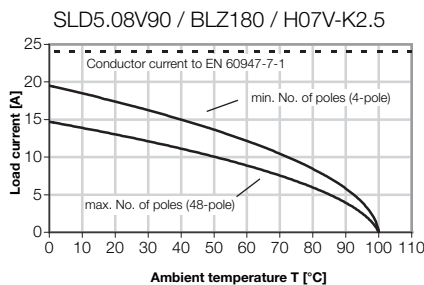
SLD 5.08V



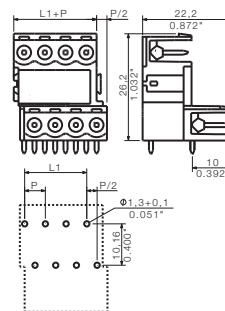
2-tier offset male connector with 90° outlet direction. The solder pin length has been optimised for wave soldering. These male connectors provide space for labelling and can be coded. Supplied in cardboard box.

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

Derating curve



SLD 5.08V/90



Technical data

<b>Rated data to IEC 60664-1 / IEC 61984</b>			
Clamping range, max.	mm <sup>2</sup>		
Solid H05(07) V-U	mm <sup>2</sup>		
Stranded H07 V-R	mm <sup>2</sup>		
Flexible H05(07) V-K	mm <sup>2</sup>		
Flexible with ferrule	mm <sup>2</sup>		
Ferrule with plastic collar	mm <sup>2</sup>		
Stripping length	mm		
Screwdriver blade	mm		
according to norm			
Tightening torque range	Nm		
<b>Rated current at ambient temperature</b>			
	A	20°C	40°C
		17	15
<b>Overvoltage category</b>			
		III	III
<b>Pollution severity</b>			
		3	2
		2	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
		4	4
<b>UL 1059 rated data</b>			
		B	C
		D	
Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor			
<b>CSA C22.2 rated data</b>			
		B	C
		D	
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor			
<b>Material data</b>			
Type of insulating material		PBT	
Flammability class acc. UL94		V-0	
Contact base material		CuSn	
Material of contact surface		tinned	
<b>Information</b>			

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Spacing between rows: see hole layout
- 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

<b>Solder pin length</b>		3.2 mm			
<b>Colour of plastic</b>		orange			
<b>Pitch 5.08 mm</b>					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.08	(0.200)	50	1725170000	
6	10.16	(0.400)	50	1725180000	
8	15.24	(0.600)	50	1725190000	
10	20.32	(0.800)	50	1725200000	
12	25.40	(1.000)	50	1725210000	
14	30.48	(1.200)	20	1725220000	
16	35.56	(1.400)	20	1725230000	
18	40.64	(1.600)	20	1725240000	
20	45.72	(1.800)	20	1725250000	
22	50.80	(2.000)	10	1725260000	
24	55.88	(2.200)	10	1725270000	
26	60.96	(2.400)	10	1725280000	
28	66.04	(2.600)	10	1725290000	
30	71.12	(2.800)	10	1725300000	
32	76.20	(3.000)	10	1725310000	
34	81.28	(3.200)	10	1725320000	
36	86.36	(3.400)	10	1725330000	
38	91.44	(3.600)	10	1725340000	
40	96.52	(3.800)	10	1725350000	
42	101.60	(4.000)	10	1725360000	
44	106.68	(4.200)	10	1725370000	
46	111.76	(4.400)	10	1725380000	
48	116.84	(4.600)	10	1725390000	



SLD 5.08V/90B

Accessories



Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.08	(0.200)	50	1726280000	
6	10.16	(0.400)	50	1726290000	
8	15.24	(0.600)	50	1726300000	
10	20.32	(0.800)	50	1726310000	
12	25.40	(1.000)	50	1726320000	
14	30.48	(1.200)	20	1726330000	
16	35.56	(1.400)	20	1726340000	
18	40.64	(1.600)	20	1726350000	
20	45.72	(1.800)	20	1726360000	
22	50.80	(2.000)	10	1726370000	
24	55.88	(2.200)	10	1726380000	
26	60.96	(2.400)	10	1726390000	
28	66.04	(2.600)	10	1726400000	
30	71.12	(2.800)	10	1726410000	
32	20.32	(0.800)	10	1726420000	
34	81.28	(3.200)	10	1726430000	
36	86.36	(3.400)	10	1726440000	
38	91.44	(3.600)	10	1726450000	
40	96.52	(3.800)	10	1726460000	
42	101.60	(4.000)	10	1726470000	
44	106.68	(4.200)	10	1726480000	
46	111.76	(4.400)	10	1726490000	
48	116.84	(4.600)	10	1726500000	



Fixing block

See chapter accessories



Marking strips

See chapter accessories



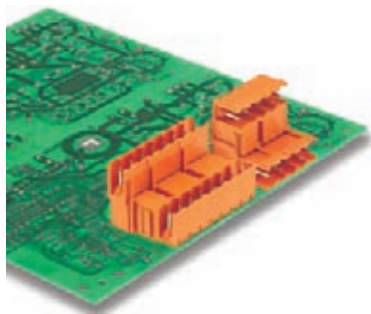
Compartment partition element

See chapter accessories



Male connectors with solder connection

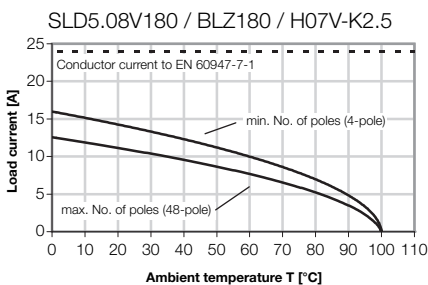
SLD 5.08V



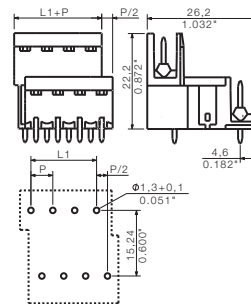
2-tier offset male connector with straight outlet direction. The solder pin length has been optimised for wave soldering. These male connectors provide space for labelling and can be coded. Supplied in cardboard box.

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

Derating curve



SLD 5.08V/180



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm <sup>2</sup>	
Solid H05(07) V-U	mm <sup>2</sup>	
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	
Flexible with ferrule	mm <sup>2</sup>	
Ferrule with plastic collar	mm <sup>2</sup>	
Stripping length	mm	
Screwdriver blade	mm	
according to norm		
Tightening torque range	Nm	

Rated current

at ambient temperature	20°C	40°C
A	14	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	10	10

CSA C22.2 rated data

	B	C	D
--	---	---	---

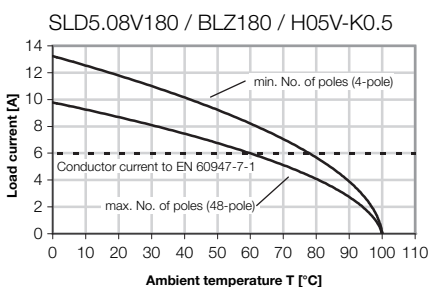
Rated voltage	V	300	300
Rated current	A	10	10

Material data

Type of insulating material	PBT
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
- 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.



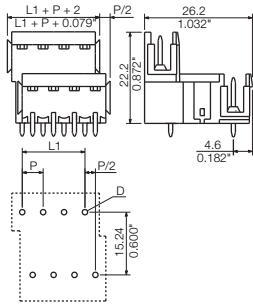
Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.08	(0.200)	50	1725650000	
6	10.16	(0.400)	50	1725660000	
8	15.24	(0.600)	50	1725670000	
10	20.32	(0.800)	50	1725680000	
12	25.40	(1.000)	50	1725690000	
14	30.48	(1.200)	20	1725700000	
16	35.56	(1.400)	20	1725710000	
18	40.64	(1.600)	20	1725720000	
20	45.72	(1.800)	20	1725730000	
22	50.80	(2.000)	10	1725740000	
24	55.88	(2.200)	10	1725750000	
26	60.96	(2.400)	10	1725760000	
28	66.04	(2.600)	10	1725770000	
30	71.12	(2.800)	10	1725780000	
32	76.20	(3.000)	10	1725790000	
34	81.28	(3.200)	10	1725800000	
36	86.36	(3.400)	10	1725810000	
38	91.44	(3.600)	10	1725820000	
40	96.52	(3.800)	10	1725830000	
42	101.60	(4.000)	10	1725840000	
44	106.68	(4.200)	10	1725850000	
46	111.76	(4.400)	10	1725860000	
48	116.84	(4.600)	10	1725870000	

SLD 5.08V/180B

Accessories



Possible colors

Additional colours on request



Coding

See chapter accessories

Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.08	(0.200)	50	1726740000	
6	10.16	(0.400)	50	1726750000	
8	15.24	(0.600)	50	1726760000	
10	20.32	(0.800)	50	1726770000	
12	25.40	(1.000)	50	1726780000	
14	30.48	(1.200)	20	1726790000	
16	35.56	(1.400)	20	1726800000	
18	40.64	(1.600)	20	1726810000	
20	45.72	(1.800)	20	1726820000	
22	50.80	(2.000)	10	1726830000	
24	55.88	(2.200)	10	1726840000	
26	60.96	(2.400)	10	1726850000	
28	66.04	(2.600)	10	1726860000	
30	71.12	(2.800)	10	1726870000	
32	76.20	(3.000)	10	1726880000	
34	81.28	(3.200)	10	1726890000	
36	86.36	(3.400)	10	1726900000	
38	91.44	(3.600)	10	1726910000	
40	96.52	(3.800)	10	1726920000	
42	101.60	(4.000)	10	1726930000	
44	106.68	(4.200)	10	1726940000	
46	111.76	(4.400)	10	1726950000	
48	116.84	(4.600)	10	1726960000	



Fixing block

See chapter accessories



Marking strips

See chapter accessories



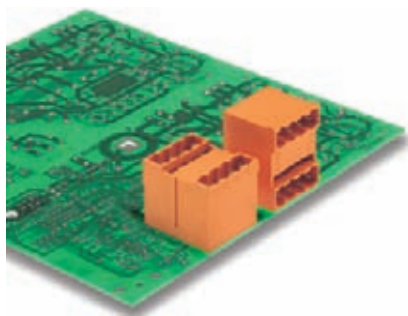
Compartment partition element

See chapter accessories



Male connectors with solder connection

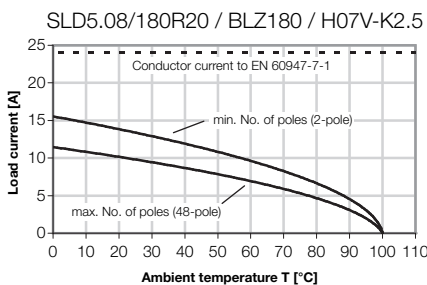
SLD 5.08  
SLD 5.00



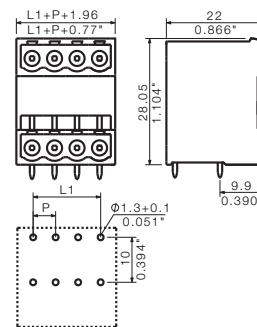
Double level male connector with parallel pin arrangement. The solder pin length has been optimised for wave soldering. These male connectors provide space for labelling and can be coded. Supplied in cardboard box.

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

Derating curve



SLD 5.08/90G  
SLD 5.00/90G



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm <sup>2</sup>
Solid H05(07) V-U	mm <sup>2</sup>
Stranded H07 V-R	mm <sup>2</sup>
Flexible H05(07) V-K	mm <sup>2</sup>
Flexible with ferrule	mm <sup>2</sup>
Ferrule with plastic collar	mm <sup>2</sup>
Stripping length	mm
Screwdriver blade according to norm	mm
Tightening torque range	Nm

Rated current at ambient temperature

	20°C	40°C
A	11	9.5

Overvoltage category  
Pollution severity

	III	III	II
	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	10	10

CSA C22.2 rated data

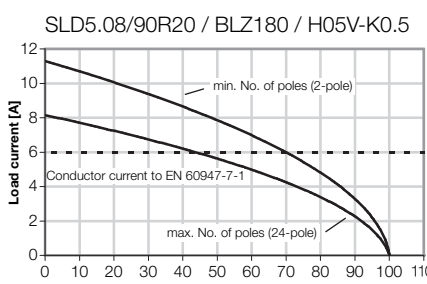
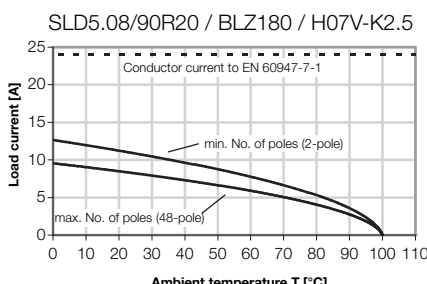
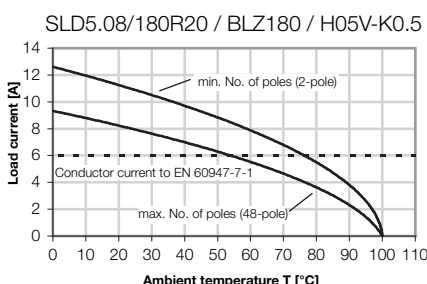
	B	C	D
Rated voltage	V	300	300
Rated current	A	10	10

Material data

Type of insulating material	PBT
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
- 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	3.2 mm
Colour of plastic	orange

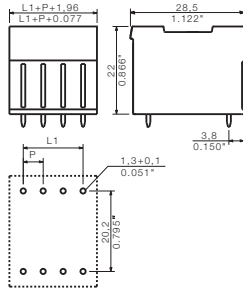
Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.08	(0.200)	50	1601790000	
6	10.16	(0.400)	50	1601800000	
8	15.24	(0.600)	50	1601810000	
10	20.32	(0.800)	50	1601820000	
12	25.40	(1.000)	50	1601830000	
14	30.48	(1.200)	20	1601840000	
16	35.56	(1.400)	20	1601850000	
18	40.64	(1.600)	20	1601860000	
20	45.72	(1.800)	20	1601870000	
22	50.80	(2.000)	10	1601880000	
24	55.88	(2.200)	10	1601890000	
26	60.96	(2.400)	10	1601900000	
28	66.04	(2.600)	10	1601910000	
30	71.12	(2.800)	10	1601920000	
32	76.20	(3.000)	10	1601930000	
34	81.28	(3.200)	10	1601940000	
36	86.36	(3.400)	10	1601950000	
38	91.44	(3.600)	10	1601960000	
40	96.52	(3.800)	10	1601970000	
42	101.60	(4.000)	10	1601980000	
44	106.68	(4.200)	10	1601990000	
46	111.76	(4.400)	10	1602000000	
48	116.84	(4.600)	10	1602010000	

Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.00	(0.197)	50	1614350000	
6	10.00	(0.394)	50	1614360000	
8	15.00	(0.591)	50	1614370000	
10	20.00	(0.787)	50	1614380000	
12	25.00	(0.984)	50	1614390000	
14	30.00	(1.181)	20	1614400000	
16	35.00	(1.378)	20	1614410000	
18	40.00	(1.575)	20	1614420000	
20	45.00	(1.772)	20	1614430000	
22	50.00	(1.969)	10	1614440000	
24	55.00	(2.165)	10	1614450000	
26	60.00	(2.362)	10	1614460000	
28	65.00	(2.559)	10	1614470000	
30	70.00	(2.756)	10	1614480000	
32	75.00	(2.953)	10	1614490000	
34	80.00	(3.150)	10	1614500000	
36	85.00	(3.346)	10	1614510000	
38	90.00	(3.543)	10	1614520000	
40	95.00	(3.740)	10	1614530000	
42	100.00	(3.937)	10	1614540000	
44	105.00	(4.134)	10	1614550000	
46	110.00	(4.331)	10	1614560000	
48	115.00	(4.528)	10	1614570000	

**SLD 5.08/180G**  
**SLD 5.00/180G**



**Accessories**

**Possible colors**

Additional colours on request



**Coding**

See chapter accessories

**Ordering data**

Solder pin length	3.2 mm
Colour of plastic	orange

**Pitch 5.08 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.08	(0.200)	50	1602390000	
6	10.16	(0.400)	50	1602400000	
8	15.24	(0.600)	50	1602410000	
10	20.32	(0.800)	50	1602420000	
12	25.40	(1.000)	50	1602430000	
14	30.48	(1.200)	20	1602440000	
16	35.56	(1.400)	20	1602450000	
18	40.64	(1.600)	20	1602460000	
20	45.72	(1.800)	20	1602470000	
22	50.80	(2.000)	10	1602480000	
24	55.88	(2.200)	10	1602490000	
26	60.96	(2.400)	10	1602500000	
28	66.04	(2.600)	10	1602510000	
30	71.12	(2.800)	10	1602520000	
32	76.20	(3.000)	10	1602530000	
34	81.28	(3.200)	10	1602540000	
36	86.36	(3.400)	10	1602550000	
38	91.44	(3.600)	10	1602560000	
40	96.52	(3.800)	10	1602570000	
42	101.60	(4.000)	10	1602580000	
44	106.68	(4.200)	10	1602590000	
46	111.76	(4.400)	10	1602600000	
48	116.84	(4.600)	10	1602610000	

**Pitch 5.00 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	5.00	(0.197)	50	1614810000	
6	10.00	(0.394)	50	1614820000	
8	15.00	(0.591)	50	1614830000	
10	20.00	(0.787)	50	1614840000	
12	25.00	(0.984)	50	1614850000	
14	30.00	(1.181)	20	1614860000	
16	35.00	(1.378)	20	1614870000	
18	40.00	(1.575)	20	1614880000	
20	45.00	(1.772)	20	1614890000	
22	50.00	(1.969)	10	1614900000	
24	55.00	(2.165)	10	1614910000	
26	60.00	(2.362)	10	1614920000	
28	65.00	(2.559)	10	1614930000	
30	70.00	(2.756)	10	1614940000	
32	75.00	(2.953)	10	1614950000	
34	80.00	(3.150)	10	1614960000	
36	85.00	(3.346)	10	1614970000	
38	90.00	(3.543)	10	1614980000	
40	95.00	(3.740)	10	1614990000	
42	100.00	(3.937)	10	1615000000	
44	105.00	(4.134)	10	1615010000	
46	110.00	(4.331)	10	1615020000	
48	115.00	(4.528)	10	1615030000	



**Marking strips**

See chapter accessories



**Compartment partition element**

See chapter accessories



## Male connectors with spade/solder connection

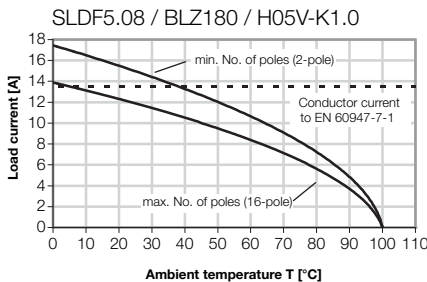
### SLDF 5.08



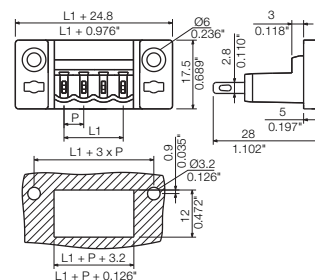
Male connector for through-panel mounting with optional locking function. The internal connection takes the form of a spade or solder connection. These male connectors provide space for labelling and can be coded. Supplied in cardboard box.

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

### Derating curve



### SLDF 5.08 L/F



### Technical data

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

Clamping range, max.	mm <sup>2</sup>
Solid H05(07) V-U	mm <sup>2</sup>
Stranded H07 V-R	mm <sup>2</sup>
Flexible H05(07) V-K	mm <sup>2</sup>
Flexible with ferrule	mm <sup>2</sup>
Ferrule with plastic collar	mm <sup>2</sup>
Stripping length	mm
Screwdriver blade	mm
according to norm	
Tightening torque range	Nm

#### Rated current

at ambient temperature	20°C	40°C
A	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
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Nominal voltage	V	300	300
Rated current	A	10	10

#### CSA C22.2 rated data

	B	C	D
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Rated voltage	V	300	300
Rated current	A	10	10

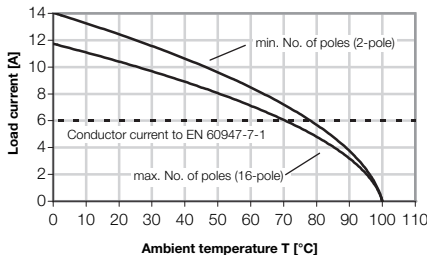
#### Material data

Type of insulating material	PBT
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.
- Solder connection for solid and flexible wires up to 2.5 mm<sup>2</sup> with insulating/shrink-wrap sleeve, or with 2.8 mm flat blade receptacles with insulated sleeves to DIN IEC 760
- 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.

### SLDF5.08 / BLZ180 / H05V-K0.5



### Ordering data

#### Solder pin length

Colour of plastic orange

#### Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1599130000	
3	10.16	(0.400)	100	1599140000	
4	15.24	(0.600)	100	1599150000	
5	20.32	(0.800)	50	1599160000	
6	25.40	(1.000)	50	1599170000	
7	30.48	(1.200)	50	1599180000	
8	35.56	(1.400)	50	1599190000	
9	40.64	(1.600)	50	1599200000	
10	45.72	(1.800)	50	1599210000	
11	50.80	(2.000)	50	1599220000	
12	55.88	(2.200)	50	1599230000	
13	60.96	(2.400)	50	1599240000	
14	66.04	(2.600)	50	1599250000	
15	71.12	(2.800)	50	1599260000	
16	76.20	(3.000)	50	1599270000	

## Accessories

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### Possible colors

Additional colours on request



### Coding

See chapter accessories



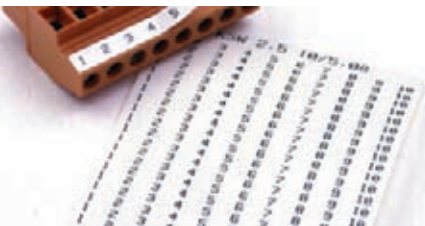
### Locking lever

See chapter accessories  
1599120000



### Marking strips

See chapter accessories



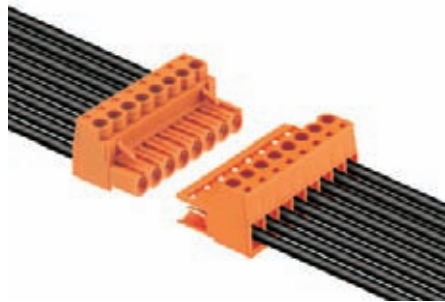
### Compartment partition element

See chapter accessories



## Male connectors with clamping yoke connection

### SLS 5.08/180



Male connector with screw clamping yoke connection for connecting conductors with straight outlet direction. The male connectors provide space for labelling and can be coded. Packed in cardboard box. The SLS 5.08 F acts as a mating part for flying leads (e.g. BLZ 5.08 F). The SLS 5.08 FI acts as a mating part for the PCB (BL 5.08 FI).

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 21.5 A (IEC) / 15 A (UL)

### Technical data

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

Clamping range, max.	mm <sup>2</sup>	0.13...3.31
Solid H05(07) V-U	mm <sup>2</sup>	0.2...2.5
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...2.5
Flexible with ferrule	mm <sup>2</sup>	0.2...2.5
Ferrule with plastic collar	mm <sup>2</sup>	0.2...2.5
Stripping length	mm	7
Screwdriver blade	mm	
according to norm		
Tightening torque range	Nm	0.4...0.5

#### Rated current

at ambient temperature		20°C	40°C
	A	21.5	18

#### Overvoltage category

	III	III	II
--	-----	-----	----

#### Pollution severity

	3	2	2
--	---	---	---

Rated voltage	V	250	320	400
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Rated impulse voltage	kV	4	4	4
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#### UL 1059 rated data

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

AWG conductor		26-12	
---------------	--	-------	--

#### CSA C22.2 rated data

	B	C	D
--	---	---	---

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

Rated current	A	15	10
---------------	---	----	----

AWG conductor		26-12	
---------------	--	-------	--

#### Material data

Type of insulating material	PBT
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Flammability class acc. UL94	V-0
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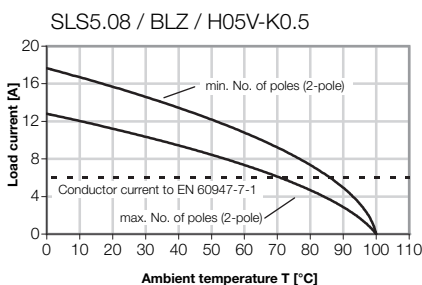
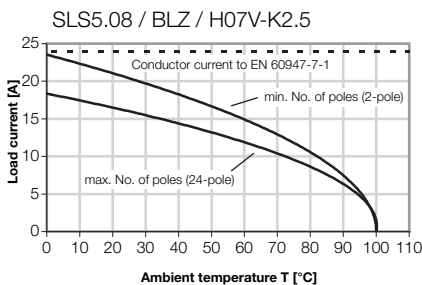
Contact base material	CuSn
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Material of contact surface	tinned
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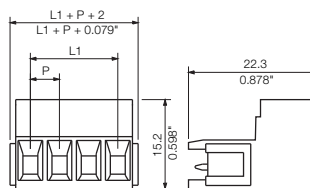
#### Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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



### SLS 5.08/180B



### Ordering data

#### Solder pin length

Colour of plastic orange

#### Pitch 5.08 mm

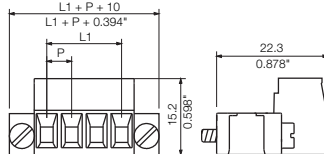
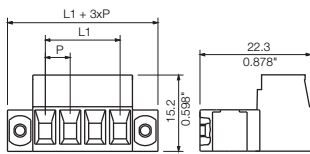
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1627240000	
3	10.16	(0.400)	100	1627250000	
4	15.24	(0.600)	100	1627260000	
5	20.32	(0.800)	50	1627270000	
6	25.40	(1.000)	50	1627280000	
7	30.48	(1.200)	50	1627290000	
8	35.56	(1.400)	50	1627300000	
9	40.64	(1.600)	50	1627310000	
10	45.72	(1.800)	50	1627320000	
11	50.80	(2.000)	50	1627330000	
12	55.88	(2.200)	50	1627340000	
13	60.96	(2.400)	50	1627350000	
14	66.04	(2.600)	50	1627360000	
15	71.12	(2.800)	50	1627370000	
16	76.20	(3.000)	50	1627380000	
17	81.28	(3.200)	20	1645150000	
18	86.36	(3.400)	20	1645160000	
19	91.44	(3.600)	20	1645170000	
20	96.52	(3.800)	20	1645180000	
21	101.60	(4.000)	20	1645190000	
22	106.68	(4.200)	20	1645200000	
23	111.76	(4.400)	20	1645210000	
24	116.84	(4.600)	20	1645220000	



SLS 5.08/180F

SLS 5.08/180FI

Accessories



Possible colors

Additional colours on request



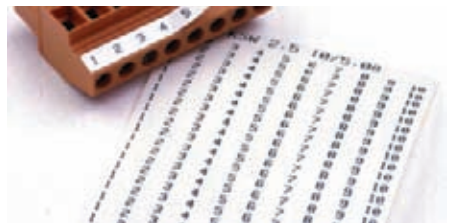
Coding

See chapter accessories



Marking strips

See chapter accessories



Compartment partition element

See chapter accessories



Screwdriver

See chapter accessories  
Order No. 9008390000



Ordering data

Solder pin length

Colour of plastic

orange

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1846360000	
3	10.16	(0.400)	100	1846370000	
4	15.24	(0.600)	100	1846380000	
5	20.32	(0.800)	50	1846390000	
6	25.40	(1.000)	50	1846400000	
7	30.48	(1.200)	50	1846410000	
8	35.56	(1.400)	50	1846420000	
9	40.64	(1.600)	50	1846430000	
10	45.72	(1.800)	50	1846440000	
11	50.80	(2.000)	50	1846450000	
12	55.88	(2.200)	50	1846460000	
13	60.96	(2.400)	50	1846470000	
14	66.04	(2.600)	50	1846480000	
15	71.12	(2.800)	50	1846490000	
16	76.20	(3.000)	50	1846500000	

Ordering data

Solder pin length

Colour of plastic

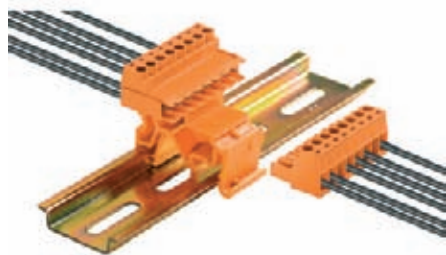
orange

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1846210000	
3	10.16	(0.400)	100	1846220000	
4	15.24	(0.600)	100	1846230000	
5	20.32	(0.800)	50	1846240000	
6	25.40	(1.000)	50	1846250000	
7	30.48	(1.200)	50	1846260000	
8	35.56	(1.400)	50	1846270000	
9	40.64	(1.600)	50	1846280000	
10	45.72	(1.800)	50	1846290000	
11	50.80	(2.000)	50	1846300000	
12	55.88	(2.200)	50	1846310000	
13	60.96	(2.400)	50	1846320000	
14	66.04	(2.600)	50	1846330000	
15	71.12	(2.800)	50	1846340000	
16	76.20	(3.000)	50	1846350000	

## Male connectors for terminal rail mounting with clamping yoke connection

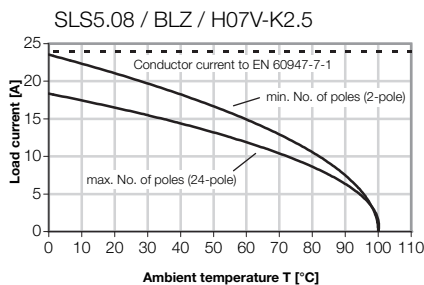
### SLS 5.08/180TB



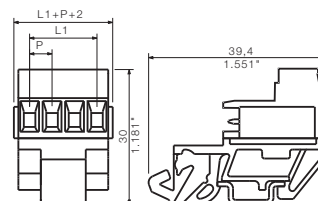
Male connector with screw clamping yoke connection for connecting conductors with straight outlet direction. Snap-on feet enable mounting on the terminal rail. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 21.5 A (IEC) / 15 A (UL)

### Derating curve



### SLS 5.08/180TB RF15



### Technical data

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

Clamping range, max.	mm <sup>2</sup>	0.13...3.31
Solid H05(07) V-U	mm <sup>2</sup>	0.2...2.5
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...2.5
Flexible with ferrule	mm <sup>2</sup>	0.2...2.5
Ferrule with plastic collar	mm <sup>2</sup>	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	20°C	40°C
A	21.5	18

#### Overvoltage category

	III	III	II
Pollution severity	3	2	2

	250	320	400
Rated voltage	V		

	4	4	4
Rated impulse voltage	kV		

#### UL 1059 rated data

	B	C	D
Nominal voltage	V	300	300

	15	10
Rated current	A	

	26-12
AWG conductor	

#### CSA C22.2 rated data

	B	C	D
Rated voltage	V	300	300

	15	10
Rated current	A	

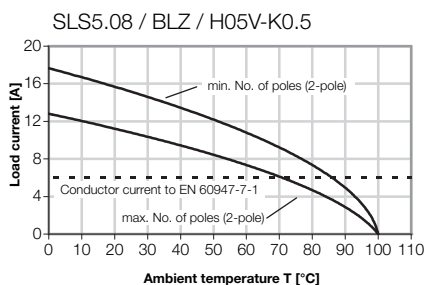
	26-12
AWG conductor	

#### Material data

Type of insulating material	PBT
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.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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

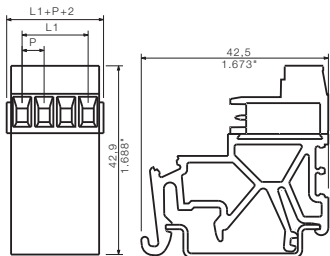
Colour of plastic orange

#### Pitch 5.08 mm

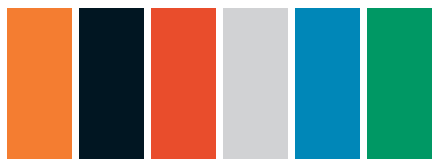
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	15.24	(0.600)	20	1846050000	
6	25.40	(1.000)	20	1846060000	
8	35.56	(1.400)	10	1846070000	
10	45.72	(1.800)	10	1846080000	
12	55.88	(2.200)	10	1846090000	
16	76.20	(3.000)	5	1846100000	
20	96.52	(3.800)	5	1846110000	
24	116.84	(4.600)	5	1846120000	

SLS 5.08/180TB KF

Accessories



**Possible colors**  
Additional colours on request



**Coding**  
See chapter accessories

**Ordering data**

Solder pin length

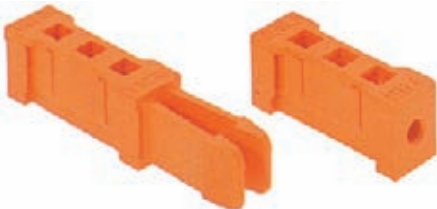
Colour of plastic orange

**Pitch 5.08 mm**

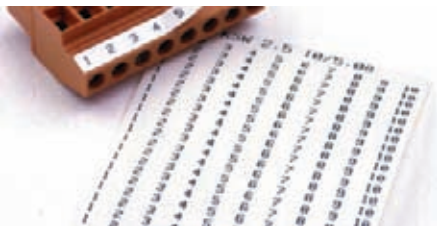
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	15.24	(0.600)	20	1846130000	
6	25.40	(1.000)	20	1846140000	
8	35.56	(1.400)	10	1846150000	
10	45.72	(1.800)	10	1846160000	
12	55.88	(2.200)	10	1846170000	
16	76.20	(3.000)	5	1846180000	
20	96.52	(3.800)	5	1846190000	
24	116.84	(4.600)	5	1846200000	



**Fixing block**  
See chapter accessories



**Marking strips**  
See chapter accessories



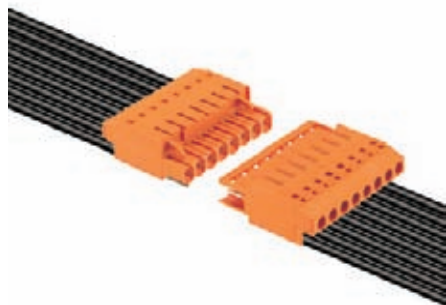
**Compartment partition element**  
See chapter accessories



G

## Male connectors with TOP connection

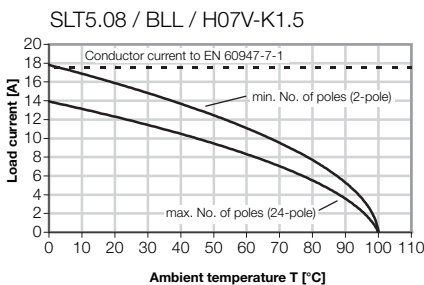
### SLT 5.08 B



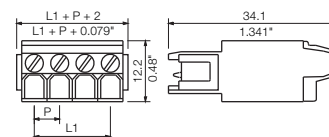
Male connectors with screw TOP connection for connecting conductors with a straight outlet direction. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 16 A (IEC) / 10 A (UL)

### Derating curve



### SLT 5.08B



### Technical data

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

Clamping range, max.	mm <sup>2</sup>	0.13...2.5
Solid H05(07) V-U	mm <sup>2</sup>	0.2...2.5
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...1.5
Flexible with ferrule	mm <sup>2</sup>	0.2...1.5
Ferrule with plastic collar	mm <sup>2</sup>	0.2...1.5
Stripping length	mm	13
Screwdriver blade	mm	0.6 x 3.5
according to norm		DIN 5264
Tightening torque range	Nm	0.4...0.5

#### Rated current

at ambient temperature	20°C	40°C
A	16	13

#### Overvoltage category

	III	III	II
Pollution severity	3	2	2

	250	400	400
Rated voltage	V		

	4	4	4
Rated impulse voltage	kV		

#### UL 1059 rated data

	B	C	D
Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-14	

#### CSA C22.2 rated data

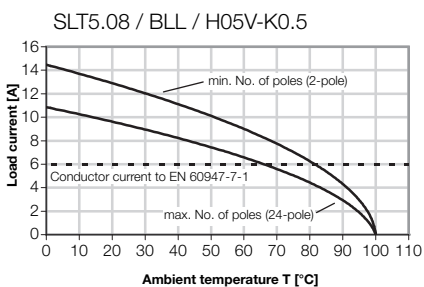
	B	C	D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-14	

#### Material data

Type of insulating material	PBT
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.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- P on dirg. = 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

Colour of plastic orange

#### Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1611710000	
3	10.16	(0.400)	100	1611720000	
4	15.24	(0.600)	100	1611730000	
5	20.32	(0.800)	50	1611740000	
6	25.40	(1.000)	50	1611750000	
7	30.48	(1.200)	50	1611760000	
8	35.56	(1.400)	50	1611770000	
9	40.64	(1.600)	50	1611780000	
10	45.72	(1.800)	50	1611790000	
11	50.80	(2.000)	50	1611800000	
12	55.88	(2.200)	50	1611810000	
13	60.96	(2.400)	50	1611820000	
14	66.04	(2.600)	50	1611830000	
15	71.12	(2.800)	50	1611840000	
16	76.20	(3.000)	50	1611850000	

## Accessories

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### Possible colors

Additional colours on request



### Coding

See chapter accessories



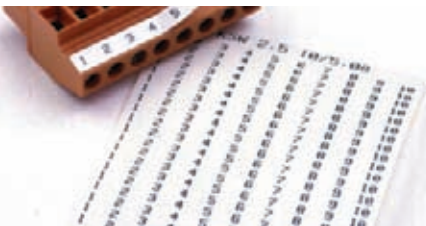
### Fixing block

See chapter accessories



### Marking strips

See chapter accessories



### Compartment partition element

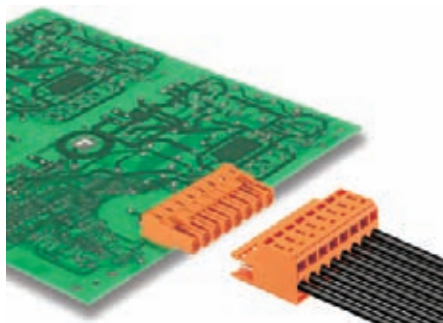
See chapter accessories



G

## Male connectors with tension clamp connection

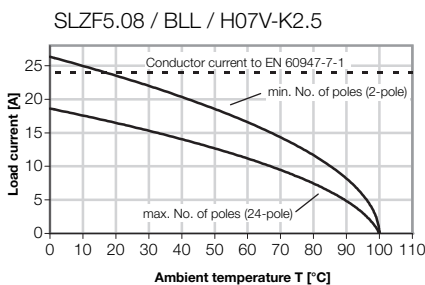
### SLZF 5.08/180



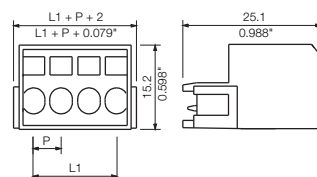
Male connector for connecting conductors using tension clamp method with straight 180° outlet direction. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 23 A (IEC) / 15 A (UL)

### Derating curve



### SLZF 5.08/180B



### Technical data

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

Clamping range, max.	mm <sup>2</sup>	0.13...3.31
Solid H05(07) V-U	mm <sup>2</sup>	0.2...2.5
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...2.5
Flexible with ferrule	mm <sup>2</sup>	0.2...2.5
Ferrule with plastic collar	mm <sup>2</sup>	0.2...1.5
Stripping length	mm	10
Screwdriver blade	mm	0.6 x 3.5
according to norm		DIN 5264-A
Tightening torque range	Nm	

#### Rated current

at ambient temperature	20°C	40°C
A	23	20

#### Overvoltage category

III	III	II
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#### 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
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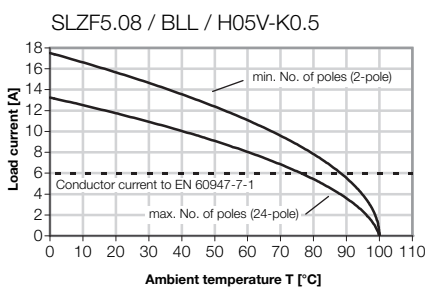
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor		26-12	

#### Material data

Type of insulating material	PBT
Flammability class acc. UL94	V-0
Contact base material	Cu alloy
Material of contact surface	tinned

#### Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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

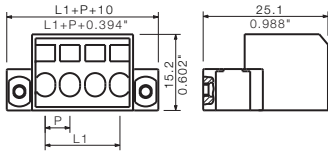
#### Solder pin length

Colour of plastic orange

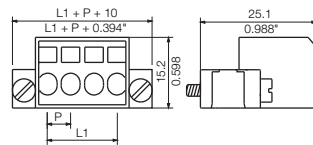
#### Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1710210000	
3	10.16	(0.400)	100	1710220000	
4	15.24	(0.600)	100	1710230000	
5	20.32	(0.800)	50	1710240000	
6	25.40	(1.000)	50	1710250000	
7	30.48	(1.200)	50	1710260000	
8	35.56	(1.400)	50	1710270000	
9	40.64	(1.600)	50	1710280000	
10	45.72	(1.800)	50	1710290000	
11	50.80	(2.000)	50	1710300000	
12	55.88	(2.200)	50	1710310000	
13	60.96	(2.400)	50	1710320000	
14	66.04	(2.600)	50	1710330000	
15	71.12	(2.800)	50	1710340000	
16	76.20	(3.000)	50	1710350000	
17	81.28	(3.200)	20	1710360000	
18	86.36	(3.400)	20	1710370000	
19	91.44	(3.600)	20	1710380000	
20	96.52	(3.800)	20	1710390000	
21	101.60	(4.000)	20	1710400000	
22	106.68	(4.200)	20	1710410000	
23	111.76	(4.400)	20	1710420000	
24	116.84	(4.600)	20	1710430000	

SLZF 5.08/180F



SLZF 5.08/180FI



Accessories

Possible colors

Additional colours on request



Coding

See chapter accessories



Cable grip

See chapter accessories



Marking strips

See chapter accessories



Compartment partition element

See chapter accessories



Ordering data

Solder pin length

Colour of plastic orange

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1846930000	
3	10.16	(0.400)	100	1846940000	
4	15.24	(0.600)	100	1846950000	
5	20.32	(0.800)	50	1846970000	
6	25.40	(1.000)	50	1846980000	
7	30.48	(1.200)	50	1846990000	
8	35.56	(1.400)	50	1847000000	
9	40.64	(1.600)	50	1847020000	
10	45.72	(1.800)	50	1847040000	
11	50.80	(2.000)	50	1847060000	
12	55.88	(2.200)	50	1847080000	
13	60.96	(2.400)	50	1847100000	
14	66.04	(2.600)	50	1847130000	
15	71.12	(2.800)	50	1847150000	
16	76.20	(3.000)	50	1847170000	
17	81.28	(3.200)	20	1847200000	
18	86.36	(3.400)	20	1847220000	
19	91.44	(3.600)	20	1847240000	
20	96.52	(3.800)	20	1847250000	
21	101.60	(4.000)	20	1847260000	
22	106.68	(4.200)	20	1847270000	
23	111.76	(4.400)	20	1847280000	
24	116.84	(4.600)	20	1847290000	

Ordering data

Solder pin length

Colour of plastic orange

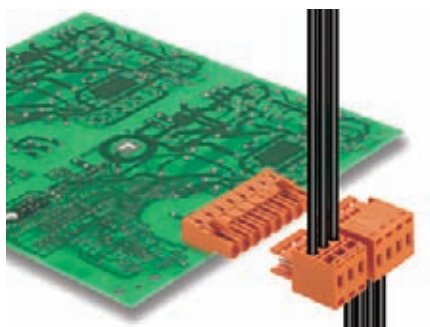
Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1846510000	
3	10.16	(0.400)	100	1846520000	
4	15.24	(0.600)	100	1846530000	
5	20.32	(0.800)	50	1846540000	
6	25.40	(1.000)	50	1846550000	
7	30.48	(1.200)	50	1846560000	
8	35.56	(1.400)	50	1846570000	
9	40.64	(1.600)	50	1846580000	
10	45.72	(1.800)	50	1846590000	
11	50.80	(2.000)	50	1846600000	
12	55.88	(2.200)	50	1846610000	
13	60.96	(2.400)	50	1846620000	
14	66.04	(2.600)	50	1846630000	
15	71.12	(2.800)	50	1846640000	
16	76.20	(3.000)	50	1846650000	
17	81.28	(3.200)	20	1846660000	
18	86.36	(3.400)	20	1846670000	
19	91.44	(3.600)	20	1846680000	
20	96.52	(3.800)	20	1846690000	
21	101.60	(4.000)	20	1846700000	
22	106.68	(4.200)	20	1846710000	
23	111.76	(4.400)	20	1846720000	
24	116.84	(4.600)	20	1846730000	

G

## Male connectors with tension clamp connection

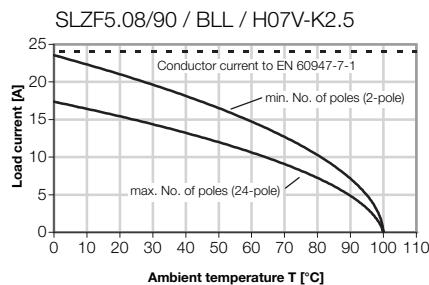
### SLZF 5.08/90



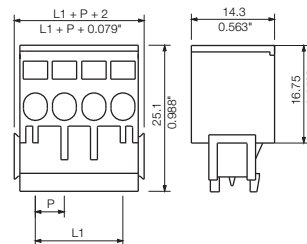
Male connector for connecting conductors with 90° or 270° outlet direction with proven tension clamp connection. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 20.5 A (IEC) / 15 A (UL)

### Derating curve



### SLZF 5.08/90B



### Technical data

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

Clamping range, max.	mm <sup>2</sup>	0.08...3.31
Solid H05(07) V-U	mm <sup>2</sup>	0.2...2.5
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...2.5
Flexible with ferrule	mm <sup>2</sup>	0.2...2.5
Ferrule with plastic collar	mm <sup>2</sup>	0.2...1.5
Stripping length	mm	10
Screwdriver blade	mm	0.6 x 3.5
according to norm		DIN 5264-A
Tightening torque range	Nm	

#### Rated current

at ambient temperature	20°C	40°C
A	20.5	18

#### Overvoltage category

	III	III	II
Pollution severity	3	2	2

	250	320	400
Rated voltage	V		

	4	4	4
Rated impulse voltage	kV		

#### 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

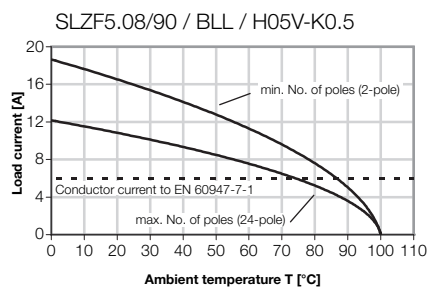
	B	C	D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor		26-12	

#### Material data

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

#### Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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

Colour of plastic orange

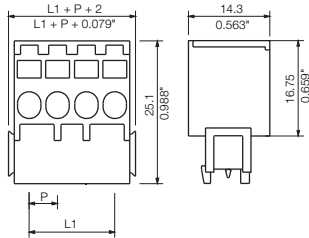
#### Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1673550000	
3	10.16	(0.400)	100	1673560000	
4	15.24	(0.600)	100	1673570000	
5	20.32	(0.800)	50	1673580000	
6	25.40	(1.000)	50	1673590000	
7	30.48	(1.200)	50	1673600000	
8	35.56	(1.400)	50	1673610000	
9	40.64	(1.600)	50	1673620000	
10	45.72	(1.800)	50	1673630000	
11	50.80	(2.000)	50	1673640000	
12	55.88	(2.200)	50	1673650000	
13	60.96	(2.400)	50	1673660000	
14	66.04	(2.600)	50	1673670000	
15	71.12	(2.800)	50	1673680000	
16	76.20	(3.000)	50	1673690000	
17	81.28	(3.200)	20	1673700000	
18	86.36	(3.400)	20	1673710000	
19	91.44	(3.600)	20	1673720000	
20	96.52	(3.800)	20	1673730000	
21	101.60	(4.000)	20	1673740000	
22	106.68	(4.200)	20	1673750000	
23	111.76	(4.400)	20	1673760000	
24	116.84	(4.600)	20	1673770000	



SLZF 5.08/270B

Accessories



**Possible colors**  
Additional colours on request



**Coding**  
See chapter accessories

**Ordering data**

Solder pin length

Colour of plastic orange

**Pitch 5.08 mm**

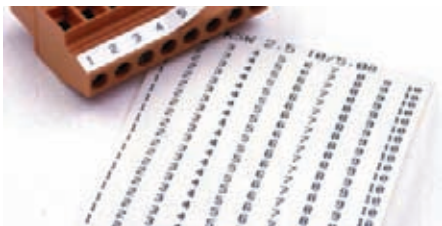
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1706140000	
3	10.16	(0.400)	100	1706150000	
4	15.24	(0.600)	100	1706160000	
5	20.32	(0.800)	50	1706170000	
6	25.40	(1.000)	50	1706180000	
7	30.48	(1.200)	50	1706190000	
8	35.56	(1.400)	50	1706200000	
9	40.64	(1.600)	50	1706210000	
10	45.72	(1.800)	50	1706220000	
11	50.80	(2.000)	50	1706230000	
12	55.88	(2.200)	50	1706240000	
13	60.96	(2.400)	50	1706250000	
14	66.04	(2.600)	50	1706260000	
15	71.12	(2.800)	50	1706270000	
16	76.20	(3.000)	50	1706280000	
17	81.28	(3.200)	20	1706290000	
18	86.36	(3.400)	20	1706300000	
19	91.44	(3.600)	20	1706310000	
20	96.52	(3.800)	20	1706320000	
21	101.60	(4.000)	20	1706330000	
22	106.68	(4.200)	20	1706340000	
23	111.76	(4.400)	20	1706350000	
24	116.84	(4.600)	20	1706360000	



**Fixing block**  
See chapter accessories



**Marking strips**  
See chapter accessories

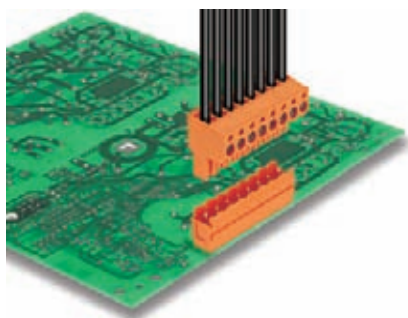


**Compartment partition element**  
See chapter accessories



## Socket connectors with clamping yoke connection

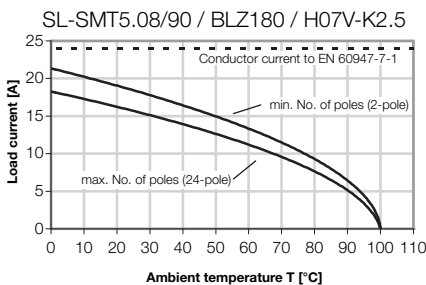
### BLZ 5.08/180 BLZ 5.00/180



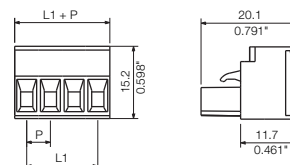
Socket connectors with clamping yoke screw connection for conductor connection with straight 180° outlet direction. The socket connectors provide space for labelling and can be coded. Packaged in cardboard box.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

### Derating curve



### BLZ 5.08/180 BLZ 5.00/180



### Technical data

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

Clamping range, max.	mm <sup>2</sup>	0.13...3.31
Solid H05(07) V-U	mm <sup>2</sup>	0.2...2.5
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...2.5
Flexible with ferrule	mm <sup>2</sup>	0.2...2.5
Ferrule with plastic collar	mm <sup>2</sup>	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	20°C	40°C
A	19	16

#### Overvoltage category

	III	III	II
Pollution severity	3	2	2

#### Rated voltage

	V	320	400
Rated impulse voltage	kV	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
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor		26-12	

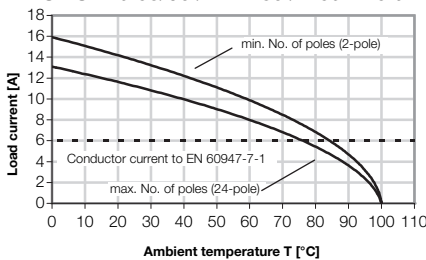
#### Material data

Type of insulating material	PBT
Flammability class acc. UL94	V-0
Contact base material	Cu alloy
Material of contact surface	tinned

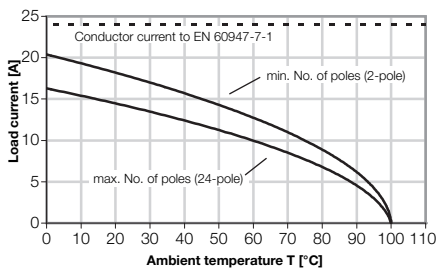
#### Information

- 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 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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.

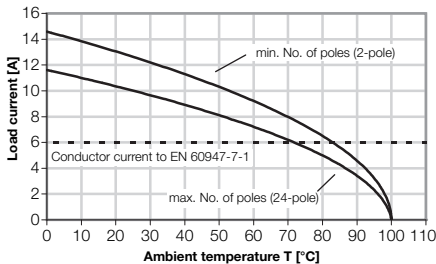
### SL-SMT5.08/90 / BLZ180 / H05V-K0.5



### SL5.08/90 / BLZ180 / H07V-K2.5



### SL5.08/90 / BLZ180 / H05V-K0.5



### Ordering data

#### Solder pin length

Colour of plastic	orange	black
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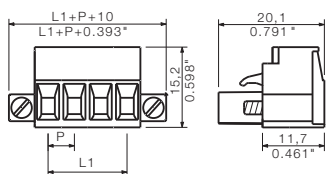
#### Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1526460000	1526410000
3	10.16	(0.400)	100	1526560000	1526510000
4	15.24	(0.600)	100	1526660000	1526610000
5	20.32	(0.800)	50	1526760000	1526710000
6	25.40	(1.000)	50	1526860000	1526810000
7	30.48	(1.200)	50	1526960000	1526910000
8	35.56	(1.400)	50	1527060000	1527010000
9	40.64	(1.600)	50	1527160000	1527110000
10	45.72	(1.800)	50	1527260000	1527210000
11	50.80	(2.000)	50	1527360000	1527310000
12	55.88	(2.200)	50	1527460000	1527410000
13	60.96	(2.400)	50	1527560000	1527510000
14	66.04	(2.600)	50	1527660000	1527610000
15	71.12	(2.800)	50	1527760000	1527710000
16	76.20	(3.000)	50	1527860000	1527810000
17	81.28	(3.200)	20	1527960000	1527910000
18	86.36	(3.400)	20	1528060000	1528010000
19	91.44	(3.600)	20	1528160000	1528110000
20	96.52	(3.800)	20	1528260000	1528210000
21	101.60	(4.000)	20	1528360000	1528310000
22	106.68	(4.200)	20	1528460000	1528410000
23	111.76	(4.400)	20	1528560000	1528510000
24	116.84	(4.600)	20	1528660000	1528610000

#### Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1571350000	1625610000
3	10.00	(0.394)	100	1571360000	1625620000
4	15.00	(0.591)	100	1571370000	1596080000
5	20.00	(0.787)	50	1571380000	1625630000
6	25.00	(0.984)	50	1571390000	1596090000
7	30.00	(1.181)	50	1571400000	1596100000
8	35.00	(1.378)	50	1571410000	1596110000
9	40.00	(1.575)	50	1571420000	1625640000
10	45.00	(1.772)	50	1571430000	1596120000
11	50.00	(1.969)	50	1571440000	1625650000
12	55.00	(2.165)	50	1571120000	1602990000
13	60.00	(2.362)	50	1571450000	1625660000
14	65.00	(2.559)	50	1571460000	1625670000
15	70.00	(2.756)	50	1571470000	1625680000
16	75.00	(2.953)	50	1571480000	1603300000
17	80.00	(3.150)	20	1571490000	1625690000
18	85.00	(3.346)	20	1571500000	1625700000
19	90.00	(3.543)	20	1571510000	1625710000
20	95.00	(3.740)	20	1571520000	1625720000
21	100.00	(3.937)	20	1571530000	1625730000
22	105.00	(4.134)	20	1571540000	1625740000
23	110.00	(4.331)	20	1571550000	1625750000
24	115.00	(4.528)	20	1571560000	1611470000

**BLZ 5.08/180F**  
**BLZ 5.00/180F**



**Accessories**

**Possible colors**

Additional colours on request



**Coding**

See chapter accessories



**Cable grip**

See chapter accessories



**Hood**

See chapter accessories



**Marking strips**

See chapter accessories



**Ordering data**

**Solder pin length**

Colour of plastic	<input checked="" type="checkbox"/> orange	<input type="checkbox"/> black
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**Pitch 5.08 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1802830000	1803040000
3	10.16	(0.400)	100	1802840000	1803050000
4	15.24	(0.600)	100	1802850000	1803060000
5	20.32	(0.800)	50	1802860000	1803070000
6	25.40	(1.000)	50	1802870000	1803080000
7	30.48	(1.200)	50	1802880000	1803090000
8	35.56	(1.400)	50	1802890000	1803100000
9	40.64	(1.600)	50	1802900000	1803110000
10	45.72	(1.800)	50	1802910000	1803120000
11	50.80	(2.000)	50	1802920000	1803130000
12	55.88	(2.200)	50	1802930000	1803140000
13	60.96	(2.400)	50	1802940000	1803150000
14	66.04	(2.600)	50	1802950000	1803160000
15	71.12	(2.800)	50	1802960000	1803170000
16	76.20	(3.000)	50	1802970000	1803180000
17	81.28	(3.200)	20	1802980000	1803190000
18	86.36	(3.400)	20	1802990000	1803200000
19	91.44	(3.600)	20	1803000000	1803210000
20	96.52	(3.800)	20	1803010000	1803220000
21	101.60	(4.000)	20	1803020000	1803230000
22	106.68	(4.200)	20	1803030000	1803240000

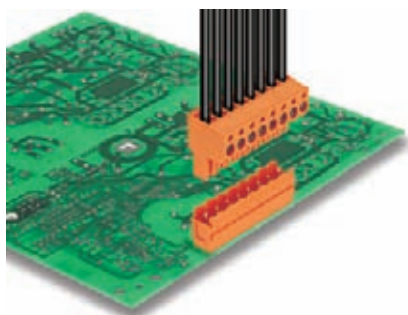
**Pitch 5.00 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1843290000	1843520000
3	10.00	(0.394)	100	1843300000	1843530000
4	15.00	(0.591)	100	1843310000	1843540000
5	20.00	(0.787)	50	1843320000	1843550000
6	25.00	(0.984)	50	1843330000	1843560000
7	30.00	(1.181)	50	1843340000	1843570000
8	35.00	(1.378)	50	1843350000	1843580000
9	40.00	(1.575)	50	1843360000	1843590000
10	45.00	(1.772)	50	1843370000	1843600000
11	50.00	(1.969)	50	1843380000	1843610000
12	55.00	(2.165)	50	1843390000	1843620000
13	60.00	(2.362)	50	1843400000	1843630000
14	65.00	(2.559)	50	1843410000	1843640000
15	70.00	(2.756)	50	1843420000	1843650000
16	75.00	(2.953)	50	1843430000	1843660000
17	80.00	(3.150)	20	1843440000	1843670000
18	85.00	(3.346)	20	1843450000	1843680000
19	90.00	(3.543)	20	1843460000	1843690000
20	95.00	(3.740)	20	1843470000	1843700000
21	100.00	(3.937)	20	1843480000	1843710000
22	105.00	(4.134)	20	1843490000	1843720000
23	110.00	(4.331)	20	1843500000	1843730000
24	115.00	(4.528)	20	1843510000	1843740000

# Socket connectors with clamping yoke connection

Signals & data  
5.00 / 5.08 mm pitch

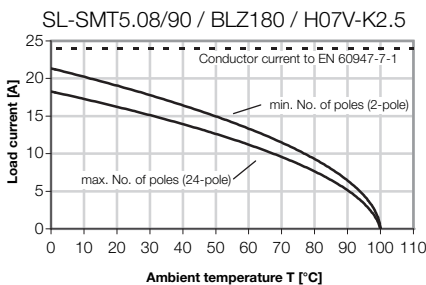
## BLZ 5.08/180 BLZ 5.00/180



Socket connectors with clamping yoke screw connection for conductor connection with straight 180° outlet direction and release lever (LH) or release bar (LR) mechanisms. The socket connectors provide space for labelling and can be coded. Packaged in cardboard box.

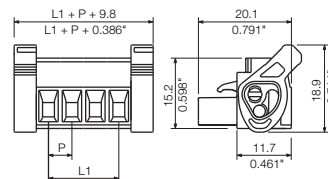
- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

## Derating curve



## BLZ 5.08/180LH

with release lever



## Technical data

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

Clamping range, max.	mm <sup>2</sup>	0.13...3.31
Solid H05(07) V-U	mm <sup>2</sup>	0.2...2.5
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...2.5
Flexible with ferrule	mm <sup>2</sup>	0.2...2.5
Ferrule with plastic collar	mm <sup>2</sup>	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	20°C	40°C
A	19	16

### Overvoltage category

III	III	II
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### Pollution severity

3	2	2
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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

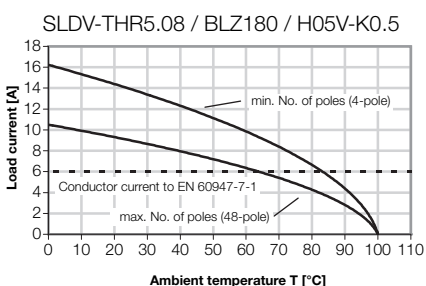
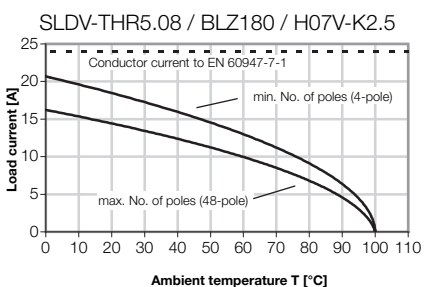
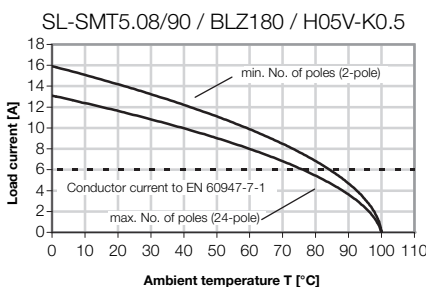
	B	C	D
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor		26-12	

### Material data

Type of insulating material	PBT
Flammability class acc. UL94	V-0
Contact base material	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 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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

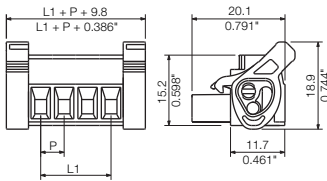
Colour of plastic	orange	black
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### Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1892190000	1893600000
3	10.16	(0.400)	100	1892200000	1893610000
4	15.24	(0.600)	100	1892210000	1893620000
5	20.32	(0.800)	50	1892220000	1893630000
6	25.40	(1.000)	50	1892230000	1893640000
7	30.48	(1.200)	50	1892240000	1893650000
8	35.56	(1.400)	50	1892250000	1893660000
9	40.64	(1.600)	50	1892260000	1893670000
10	45.72	(1.800)	50	1892270000	1893680000
11	50.80	(2.000)	50	1892280000	1893690000
12	55.88	(2.200)	50	1892290000	1893700000
13	60.96	(2.400)	50	1892300000	1893710000
14	66.04	(2.600)	50	1892310000	1893720000
15	71.12	(2.800)	50	1892320000	1893730000
16	76.20	(3.000)	50	1892330000	1893740000
17	81.28	(3.200)	20	1892340000	1893750000
18	86.36	(3.400)	20	1892350000	1893760000
19	91.44	(3.600)	20	1892360000	1893770000
20	96.52	(3.800)	20	1892370000	1893780000
21	101.60	(4.000)	20	1892380000	1893790000
22	106.68	(4.200)	20	1892390000	1893800000

**BLZ 5.08/180LR**

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)	100	1851200000	1892950000
3	10.16	(0.400)	100	1851210000	1892960000
4	15.24	(0.600)	100	1851220000	1892970000
5	20.32	(0.800)	50	1851230000	1892980000
6	25.40	(1.000)	50	1851240000	1892990000
7	30.48	(1.200)	50	1851250000	1893000000
8	35.56	(1.400)	50	1851260000	1893010000
9	40.64	(1.600)	50	1851270000	1893020000
10	45.72	(1.800)	50	1851280000	1893030000
11	50.80	(2.000)	50	1851290000	1893040000
12	55.88	(2.200)	50	1851300000	1893050000
13	60.96	(2.400)	50	1851310000	1893060000
14	66.04	(2.600)	50	1851320000	1893070000
15	71.12	(2.800)	50	1851330000	1893080000
16	76.20	(3.000)	50	1851340000	1893090000
17	81.28	(3.200)	20	1851350000	1893100000
18	86.36	(3.400)	20	1851360000	1893110000
19	91.44	(3.600)	20	1851370000	1893120000
20	96.52	(3.800)	20	1851380000	1893130000
21	101.60	(4.000)	20	1851390000	1893140000
22	106.68	(4.200)	20	1851400000	1893150000

**Accessories**

**Possible colors**

Additional colours on request



**Coding**

See chapter accessories



**Cable grip**

See chapter accessories



**Hood**

See chapter accessories



**Marking strips**

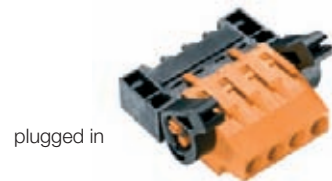
See chapter accessories



**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 flange, 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 flange 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

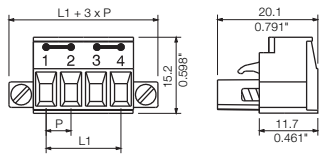


released



**BLZ 5.08F QV2**

with cross-connection



**Ordering data**

Solder pin length

Colour of plastic

orange

black

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
4	15.24	(0.300)	100	1846870000	1844500000

**Accessories**

**Possible colors**

Additional colours on request



**Coding**

See chapter accessories



**Cable grip**

See chapter accessories



**Hood**

See chapter accessories

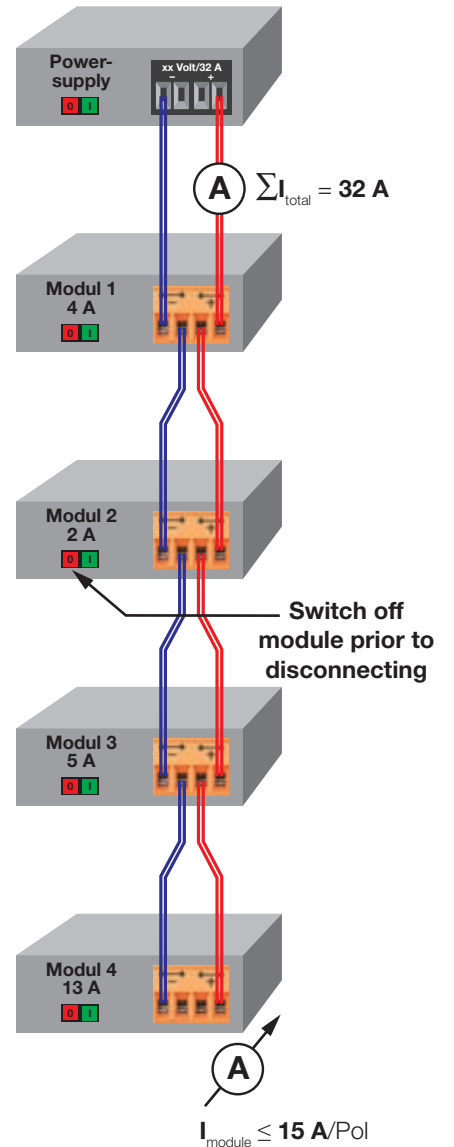


**Marking strips**

See chapter accessories



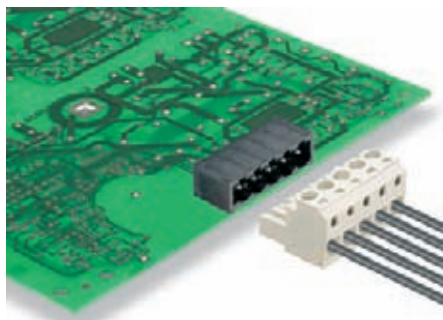
**Examples of applications**



32 A maximum bus current  
15 A maximum module current

## Socket connectors with clamping yoke connection

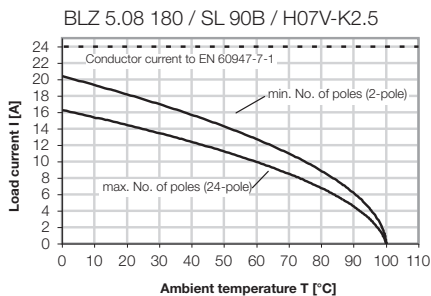
### BLZ DN 5.08/180



Socket connectors with clamping yoke screw connection for conductor connection with straight outlet. The BLZ DN 5.08 has been specially designed for transmitting bus signals (device net). The test pick-off allows manual diagnosis. The gold-plated contacts system ensures you can plug and withdraw up to 1000 times. Packed in cardboard box.

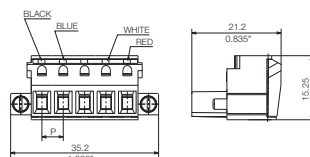
- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 18 A (IEC) / 15 A (UL)

### Derating curve



### BLZ DN 5.08/5/180F AU

with test point and connector guide



### Technical data

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

Clamping range, max.	mm <sup>2</sup>	0.13...3.31
Solid H05(07) V-U	mm <sup>2</sup>	0.2...2.5
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...2.5
Flexible with ferrule	mm <sup>2</sup>	0.2...2.5
Ferrule with plastic collar	mm <sup>2</sup>	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		20°C	40°C
	A	18	15

#### Overvoltage category

	III	III	II
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#### Pollution severity

	3	2	2
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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		22-12	

#### CSA C22.2 rated data

	B	C	D
--	---	---	---

Rated 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	Cu alloy
Material of contact surface	gold-plated

#### Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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

Colour of plastic

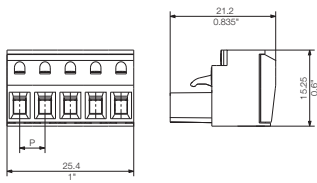
#### Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
5	20.32	(0.800)	50	1933550000	



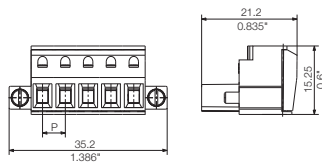
**BLZ DN 5.08/5/180 AU**

with test point



**BLZ DN 5.08/5/180F AU**

with test point



**Accessories**

**Possible colors**

Additional colours on request



**Coding**

See chapter accessories



**Cable grip**

See chapter accessories



**Test plug**

See chapter accessories



**Screwdriver**

See chapter accessories  
Order No. 9008390000



**Ordering data**

Solder pin length

Colour of plastic

grey

**Pitch 5.08 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
5	20.32	(0.800)	50	1933560000	

**Ordering data**

Solder pin length

Colour of plastic

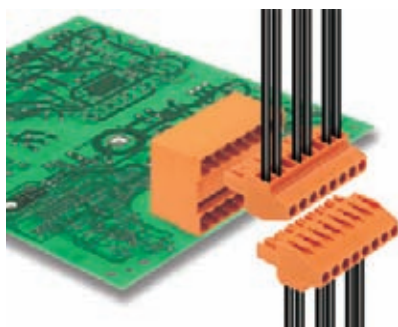
grey

**Pitch 5.08 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
5	20.32	(0.800)	50	1933570000	

## Socket connectors with clamping yoke connection

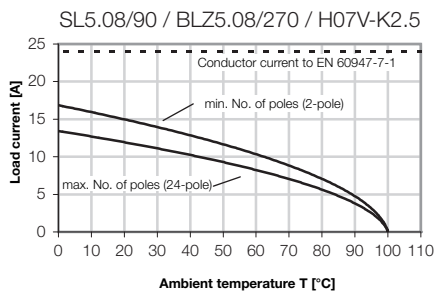
### BLZ 5.08/90 BLZ 5.00/90



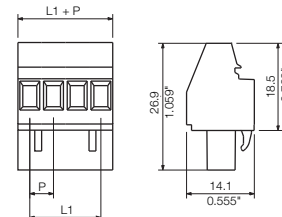
Socket connectors with clamping yoke screw connection for conductor connection with 90° outlet direction, for use with and without mounting blocks. The socket connectors provide space for labelling and can be coded. Packaged in cardboard box.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

### Derating curve



### BLZ 5.08/90 BLZ 5.00/90



### Technical data

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

Clamping range, max.	mm <sup>2</sup>	0.13...3.31
Solid H05(07) V-U	mm <sup>2</sup>	0.2...2.5
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...2.5
Flexible with ferrule	mm <sup>2</sup>	0.2...2.5
Ferrule with plastic collar	mm <sup>2</sup>	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	20°C	40°C
A	15	12

#### Overvoltage category

	III	III	II
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#### Pollution severity

	3	2	2
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Rated voltage	V	250	320	400
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Rated impulse voltage	kV	4	4	4
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#### UL 1059 rated data

	B	C	D
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Nominal voltage	V	300	300
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Rated current	A	10	10
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AWG conductor		26-12	
---------------	--	-------	--

#### CSA C22.2 rated data

	B	C	D
--	---	---	---

Rated voltage	V	300	300
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Rated current	A	10	10
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AWG conductor		26-12	
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#### Material data

Type of insulating material	PBT
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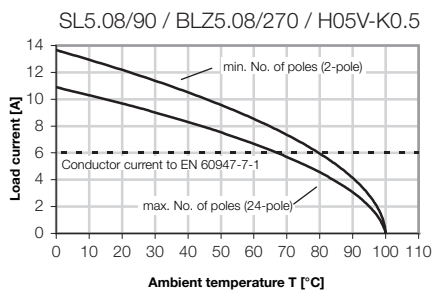
Flammability class acc. UL94	V-0
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Contact base material	Cu alloy
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Material of contact surface	tinned
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#### Information

- 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 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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

Colour of plastic	orange	black
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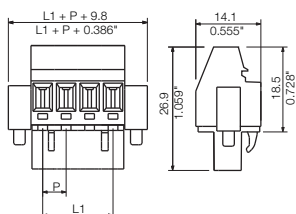
#### Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	180	1552760000	1552710000
3	10.16	(0.400)	120	1552860000	1552810000
4	15.24	(0.600)	90	1552960000	1552910000
5	20.32	(0.800)	72	1553060000	1553010000
6	25.40	(1.000)	60	1553160000	1553110000
7	30.48	(1.200)	48	1553260000	1553210000
8	35.56	(1.400)	42	1553360000	1553310000
9	40.64	(1.600)	36	1553460000	1553410000
10	45.72	(1.800)	36	1553560000	1553510000
11	50.80	(2.000)	30	1553660000	1553610000
12	55.88	(2.200)	30	1553760000	1553710000
13	60.96	(2.400)	24	1553860000	1553810000
14	66.04	(2.600)	24	1553960000	1553910000
15	71.12	(2.800)	24	1554060000	1554010000
16	76.20	(3.000)	18	1554160000	1554110000
17	81.28	(3.200)	18	1554260000	1554210000
18	86.36	(3.400)	18	1554360000	1554310000
19	91.44	(3.600)	18	1554460000	1554410000
20	96.52	(3.800)	18	1554560000	1554510000
21	101.60	(4.000)	12	1554660000	1554610000
22	106.68	(4.200)	12	1554760000	1554710000
23	111.76	(4.400)	12	1554860000	1554810000
24	116.84	(4.600)	12	1554960000	1554910000

#### Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	180	1635940000	1636890000
3	10.00	(0.394)	120	1635950000	1636900000
4	15.00	(0.591)	90	1635960000	1636910000
5	20.00	(0.787)	72	1635970000	1636920000
6	25.00	(0.984)	60	1635980000	1636930000
7	30.00	(1.181)	48	1635990000	1636940000
8	35.00	(1.378)	42	1636000000	1636950000
9	40.00	(1.575)	36	1636010000	1636960000
10	45.00	(1.772)	36	1636020000	1636970000
11	50.00	(1.969)	30	1636030000	1636980000
12	55.00	(2.165)	30	1636040000	1636990000
13	60.00	(2.362)	24	1636050000	1637000000
14	65.00	(2.559)	24	1636060000	1637010000
15	70.00	(2.756)	24	1636070000	1637020000
16	75.00	(2.953)	50	1636080000	1637030000
17	80.00	(3.150)	18	1636090000	1637040000
18	85.00	(3.346)	18	1636100000	1637050000
19	90.00	(3.543)	18	1636110000	1637060000
20	95.00	(3.740)	18	1636120000	1637070000
21	100.00	(3.937)	12	1636130000	1637080000
22	105.00	(4.134)	12	1636140000	1637090000
23	110.00	(4.331)	12	1636150000	1637100000
24	115.00	(4.528)	12	1636160000	1637110000

**BLZ 5.08/90F**  
**BLZ 5.00/90F**



**Accessories**

**Possible colors**

Additional colours on request



**Coding**

See chapter accessories

**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	1888560000	1886280000
3	10.16	(0.400)	72	1888800000	1886290000
4	15.24	(0.600)	60	1888860000	1886300000
5	20.32	(0.800)	48	1888900000	1886310000
6	25.40	(1.000)	42	1888920000	1886320000
7	30.48	(1.200)	36	1888960000	1886330000
8	35.56	(1.400)	36	1888980000	1886340000
9	40.64	(1.600)	30	1889010000	1886360000
10	45.72	(1.800)	30	1889040000	1886380000
11	50.80	(2.000)	24	1889050000	1886400000
12	55.88	(2.200)	24	1889060000	1886410000
13	60.96	(2.400)	24	1889070000	1886420000
14	66.04	(2.600)	18	1889080000	1886430000
15	71.12	(2.800)	18	1889090000	1886450000
16	76.20	(3.000)	18	1889100000	1886460000
17	81.28	(3.200)	18	1889110000	1886470000
18	86.36	(3.400)	18	1889120000	1886480000
19	91.44	(3.600)	12	1889130000	1886490000
20	96.52	(3.800)	12	1889140000	1886500000
21	101.60	(4.000)	12	1889150000	1886510000
22	106.68	(4.200)	12	1889160000	1886520000
23	111.76	(4.400)	12	1889140000	1889920000
24	116.84	(4.600)	12	1889150000	1889930000

**Pitch 5.00 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	90	1898820000	1898580000
3	10.00	(0.394)	72	1898830000	1898590000
4	15.00	(0.591)	60	1898840000	1898600000
5	20.00	(0.787)	48	1898850000	1898610000
6	25.00	(0.984)	42	1898860000	1898620000
7	30.00	(1.181)	36	1898870000	1898630000
8	35.00	(1.378)	36	1898880000	1898640000
9	40.00	(1.575)	30	1898890000	1898650000
10	45.00	(1.772)	30	1898900000	1898660000
11	50.00	(1.969)	24	1898910000	1898670000
12	55.00	(2.165)	24	1898920000	1898680000
13	60.00	(2.362)	24	1898930000	1898700000
14	65.00	(2.559)	18	1898940000	1898710000
15	70.00	(2.756)	18	1898950000	1898720000
16	75.00	(2.953)	18	1898960000	1898730000
17	80.00	(3.150)	18	1898970000	1898740000
18	85.00	(3.346)	18	1898980000	1898750000
19	90.00	(3.543)	12	1898990000	1898760000
20	95.00	(3.740)	12	1899000000	1898770000
21	100.00	(3.937)	12	1899010000	1898780000
22	105.00	(4.134)	12	1899020000	1898790000
23	110.00	(4.331)	12	1899030000	1898800000
24	115.00	(4.528)	12	1899040000	1898810000

BLZ 5.00/90F with clip-on fixing blocks



**Marking strips**

See chapter accessories



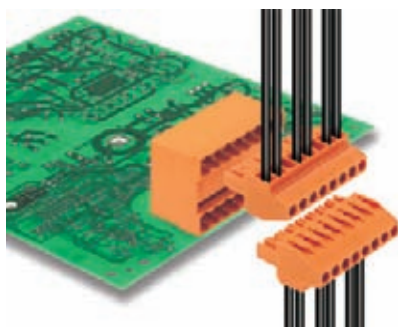
**Screwdriver**

See chapter accessories  
Order No. 9008390000



## Socket connectors with clamping yoke connection

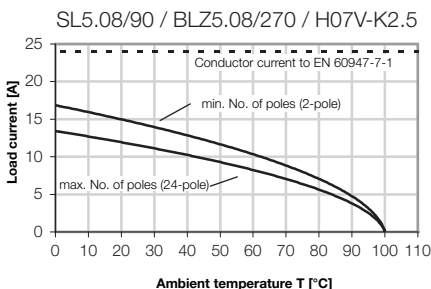
### BLZ 5.08/270 BLZ 5.00/270



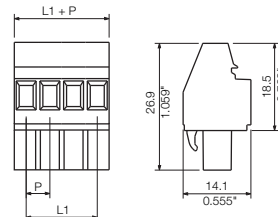
Socket connectors with clamping yoke screw connection, for conductor connection with 270° outlet direction. The socket connectors provide space for labelling and can be coded. Packaged in cardboard box.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

### Derating curve



### BLZ 5.08/270 BLZ 5.00/270



### Technical data

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

Clamping range, max.	mm <sup>2</sup>	0.13...3.31
Solid H05(07) V-U	mm <sup>2</sup>	0.2...2.5
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...2.5
Flexible with ferrule	mm <sup>2</sup>	0.2...2.5
Ferrule with plastic collar	mm <sup>2</sup>	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		20°C	40°C
	A	15	12

#### Overvoltage category

	III	III	II
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#### Pollution severity

	3	2	2
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Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4

#### UL 1059 rated data

		<b>B</b>	<b>C</b>	<b>D</b>
Nominal voltage	V	300	300	
Rated current	A	10	10	
AWG conductor			26-12	

#### CSA C22.2 rated data

		<b>B</b>	<b>C</b>	<b>D</b>
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor			26-12	

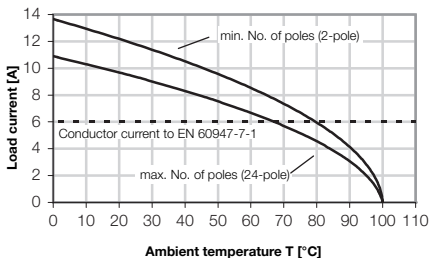
#### Material data

Type of insulating material	PBT
Flammability class acc. UL94	V-0
Contact base material	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 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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.

### SL5.08/90 / BLZ5.08/270 / H05V-K0.5



### Ordering data

#### Solder pin length

Colour of plastic	<b>orange</b>	<b>black</b>
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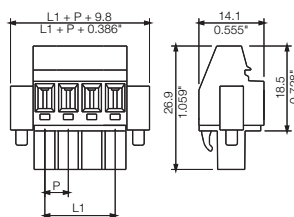
#### Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	180	1557360000	1557310000
3	10.16	(0.400)	120	1557460000	1557410000
4	15.24	(0.600)	90	1557560000	1557510000
5	20.32	(0.800)	72	1557660000	1557610000
6	25.40	(1.000)	60	1557760000	1557710000
7	30.48	(1.200)	48	1557860000	1557810000
8	35.56	(1.400)	42	1557960000	1557910000
9	40.64	(1.600)	36	1558060000	1558010000
10	45.72	(1.800)	36	1558160000	1558110000
11	50.80	(2.000)	30	1558260000	1558210000
12	55.88	(2.200)	30	1558360000	1558310000
13	60.96	(2.400)	24	1558460000	1558410000
14	66.04	(2.600)	24	1558560000	1558510000
15	71.12	(2.800)	24	1558660000	1558610000
16	76.20	(3.000)	18	1558760000	1558710000
17	81.28	(3.200)	18	1558860000	1558810000
18	86.36	(3.400)	18	1558960000	1558910000
19	91.44	(3.600)	18	1559060000	1559010000
20	96.52	(3.800)	18	1559160000	1559110000
21	101.60	(4.000)	12	1559260000	1559210000
22	106.68	(4.200)	12	1559360000	1559310000
23	111.76	(4.400)	12	1559460000	1559410000
24	116.84	(4.600)	12	1559560000	1559510000

#### Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	180	1637580000	1637810000
3	10.00	(0.394)	120	1637590000	1637820000
4	15.00	(0.591)	90	1637600000	1637830000
5	20.00	(0.787)	72	1637610000	1637840000
6	25.00	(0.984)	60	1637620000	1637850000
7	30.00	(1.181)	48	1637630000	1637860000
8	35.00	(1.378)	42	1637640000	1637870000
9	40.00	(1.575)	36	1637650000	1637880000
10	45.00	(1.772)	36	1637660000	1637890000
11	50.00	(1.969)	30	1637670000	1637900000
12	55.00	(2.165)	30	1637680000	1637910000
13	60.00	(2.362)	24	1637690000	1637920000
14	65.00	(2.559)	24	1637700000	1637930000
15	70.00	(2.756)	24	1637710000	1637940000
16	75.00	(2.953)	18	1637720000	1637950000
17	80.00	(3.150)	18	1637730000	1637960000
18	85.00	(3.346)	18	1637740000	1637970000
19	90.00	(3.543)	18	1637750000	1637980000
20	95.00	(3.740)	18	1637760000	1637990000
21	100.00	(3.937)	12	1637770000	1638000000
22	105.00	(4.134)	12	1637780000	1638010000
23	110.00	(4.331)	12	1637790000	1638020000
24	115.00	(4.528)	12	1637800000	1638030000

**BLZ 5.08/270F**  
**BLZ 5.00/270F**



**Accessories**

**Possible colors**

Additional colours on request



**Coding**

See chapter accessories

**Ordering data**

**Solder pin length**

Colour of plastic	<input type="checkbox"/> orange	<input type="checkbox"/> black
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**Pitch 5.08 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	90	1894390000	1894620000
3	10.16	(0.400)	72	1894400000	1894630000
4	15.24	(0.600)	60	1894410000	1894640000
5	20.32	(0.800)	48	1894420000	1894650000
6	25.40	(1.000)	42	1894430000	1894660000
7	30.48	(1.200)	36	1894440000	1894670000
8	35.56	(1.400)	36	1894450000	1894680000
9	40.64	(1.600)	30	1894460000	1894690000
10	45.72	(1.800)	30	1894470000	1894790000
11	50.80	(2.000)	24	1894480000	1894800000
12	55.88	(2.200)	24	1894490000	1894810000
13	60.96	(2.400)	24	1894500000	1894820000
14	66.04	(2.600)	18	1894510000	1894830000
15	71.12	(2.800)	18	1894520000	1894840000
16	76.20	(3.000)	18	1894530000	1894850000
17	81.28	(3.200)	18	1894540000	1894860000
18	86.36	(3.400)	18	1894550000	1894870000
19	91.44	(3.600)	12	1894560000	1894880000
20	96.52	(3.800)	12	1894570000	1894890000
21	101.60	(4.000)	12	1894580000	1894900000
22	106.68	(4.200)	12	1894590000	1894910000
23	111.76	(4.400)	12	1894600000	1894920000
24	116.84	(4.600)	12	1894610000	1894930000

**Pitch 5.00 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	90	1911080000	1910860000
3	10.00	(0.394)	72	1911090000	1910870000
4	15.00	(0.591)	60	1911100000	1910880000
5	20.00	(0.787)	48	1911110000	1910900000
6	25.00	(0.984)	42	1911120000	1910910000
7	30.00	(1.181)	36	1911130000	1910920000
8	35.00	(1.378)	36	1911140000	1910930000
9	40.00	(1.575)	30	1911150000	1910940000
10	45.00	(1.772)	30	1911160000	1910950000
11	50.00	(1.969)	24	1911170000	1910960000
12	55.00	(2.165)	24	1911180000	1910970000
13	60.00	(2.362)	24	1911190000	1910980000
14	65.00	(2.559)	18	1911200000	1910990000
15	70.00	(2.756)	18	1911210000	1911000000
16	75.00	(2.953)	18	1911220000	1911010000
17	80.00	(3.150)	18	1911230000	1911020000
18	85.00	(3.346)	18	1911240000	1911030000
19	90.00	(3.543)	12	1911250000	1911040000
20	95.00	(3.740)	12	1911260000	1911050000
21	100.00	(3.937)	12	1911270000	1911060000
22	105.00	(4.134)	12	1911280000	1911070000
23	110.00	(4.331)	12	1912000000	1911980000
24	115.00	(4.528)	12	1912010000	1911990000

BLZ 5.00/270F with clip-on fixing blocks



**Marking strips**

See chapter accessories



**Screwdriver**

See chapter accessories  
Order No. 9008390000

## Socket connectors with clamping yoke connection

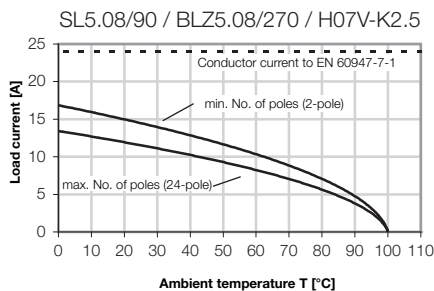
### BLZ 5.08/270



Socket connectors with clamping yoke screw connection for conductor connection with 270° outlet direction and release lever (LH) or release bar (LR) mechanism. The socket connectors provide space for labelling and can be coded. Packaged in cardboard box.

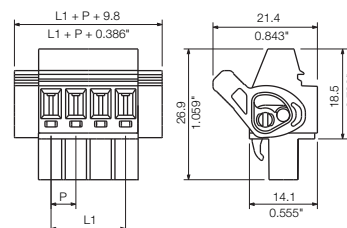
- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

### Derating curve



### BLZ 5.08/270LH

with release lever



### Technical data

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

Clamping range, max.	mm <sup>2</sup>	0.13...3.31
Solid H05(07) V-U	mm <sup>2</sup>	0.2...2.5
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...2.5
Flexible with ferrule	mm <sup>2</sup>	0.2...2.5
Ferrule with plastic collar	mm <sup>2</sup>	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	20°C	40°C
A	15	12

#### Overvoltage category

	III	III	II
Pollution severity	3	2	2

Rated voltage	V	250	320	400
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Rated impulse voltage	kV	4	4	4
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#### UL 1059 rated data

	B	C	D
Nominal voltage	V	300	300

Rated current	A	10	10
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AWG conductor		26-12	
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#### CSA C22.2 rated data

	B	C	D
Rated voltage	V	300	300

Rated current	A	10	10
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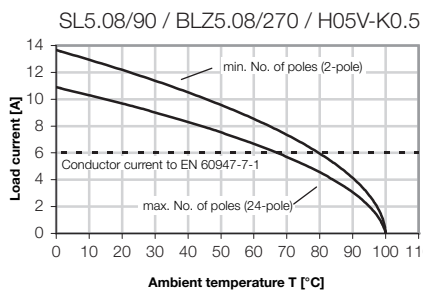
AWG conductor		26-12	
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#### Material data

Type of insulating material	PBT
Flammability class acc. UL94	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 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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

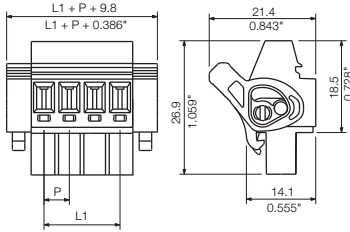
Colour of plastic	orange	black
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#### Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
15	71.12	(2.800)	18	1892400000	1894020000
16	76.20	(3.000)	18	1892410000	1894030000
17	81.28	(3.200)	18	1892420000	1894040000
18	86.36	(3.400)	18	1892430000	1894050000
19	91.44	(3.600)	12	1892440000	1894060000
20	96.52	(3.800)	12	1868940000	1896410000
21	101.60	(4.000)	12	1892450000	1894070000
22	106.68	(4.200)	12	1892460000	1894080000
23	111.76	(4.400)	12	1892470000	1894090000
24	116.84	(4.600)	12	1892480000	1894100000

**BLZ 5.08/270LR**

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.
15	71.12	(2.800)	18	1893900000	1893810000
16	76.20	(3.000)	18	1893910000	1893820000
17	81.28	(3.200)	18	1893920000	1893830000
18	86.36	(3.400)	18	1893930000	1893840000
19	91.44	(3.600)	12	1893950000	1893850000
20	96.52	(3.800)	12	1868930000	1896420000
21	101.60	(4.000)	12	1893960000	1893860000
22	106.68	(4.200)	12	1893980000	1893870000
23	111.76	(4.400)	12	1894000000	1893880000
24	116.84	(4.600)	12	1894010000	1893890000

**Accessories**

**Possible colors**

Additional colours on request



**Coding**

See chapter accessories



**Marking strips**

See chapter accessories



**Screwdriver**

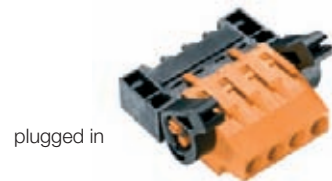
See chapter accessories  
Order No. 9008390000



**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 flange, 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 flange 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.



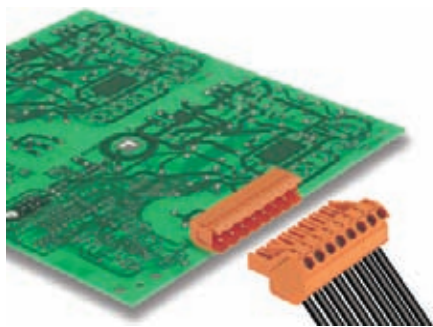
locked



released

## Socket connectors with clamping yoke connection

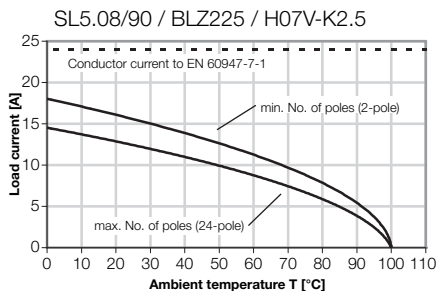
### BLZ 5.08/225



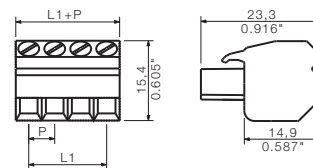
Socket connectors with clamping yoke screw connection for conductor connection with 225° outlet direction. The socket connectors provide space for labelling and can be coded. Packaged in cardboard box.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 16.5 A (IEC) / 10 A (UL)

### Derating curve



### BLZ 5.08/225



### Technical data

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

Clamping range, max.	mm <sup>2</sup>	0.13...3.31
Solid H05(07) V-U	mm <sup>2</sup>	0.2...2.5
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...2.5
Flexible with ferrule	mm <sup>2</sup>	0.2...2.5
Ferrule with plastic collar	mm <sup>2</sup>	0.2...1.5
Stripping length	mm	8
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		20°C	40°C
	A	16.5	14

#### Overvoltage category

	III	III	II
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#### Pollution severity

	3	2	2
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Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4

#### UL 1059 rated data

		<b>B</b>	<b>C</b>	<b>D</b>
Nominal voltage	V	300	300	
Rated current	A	10	10	
AWG conductor			26-12	

#### CSA C22.2 rated data

		<b>B</b>	<b>C</b>	<b>D</b>
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor			26-12	

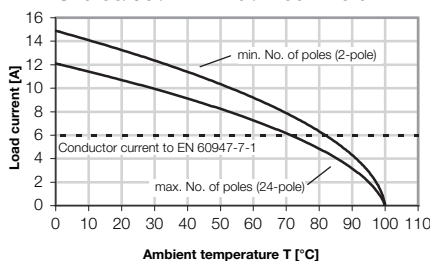
#### Material data

Type of insulating material	PBT
Flammability class acc. UL94	V-0
Contact base material	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 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- 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.

### SL5.08/90 / BLZ225 / H05V-K0.5



### Ordering data

#### Solder pin length

Colour of plastic	orange	black
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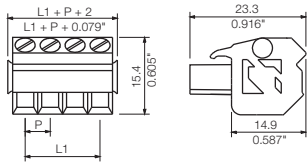
#### Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1741640000	1741870000
3	10.16	(0.400)	100	1741650000	1741880000
4	15.24	(0.600)	100	1741660000	1741890000
5	20.32	(0.800)	50	1741670000	1741900000
6	25.40	(1.000)	50	1741680000	1741910000
7	30.48	(1.200)	50	1741690000	1741920000
8	35.56	(1.400)	50	1741700000	1741930000
9	40.64	(1.600)	50	1741710000	1741940000
10	45.72	(1.800)	50	1741720000	1741950000
11	50.80	(2.000)	50	1741730000	1741960000
12	55.88	(2.200)	50	1741740000	1741970000
13	60.96	(2.400)	50	1741750000	1741980000
14	66.04	(2.600)	50	1741760000	1741990000
15	71.12	(2.800)	50	1741770000	1742000000
16	76.20	(3.000)	50	1741780000	1742010000
17	81.28	(3.200)	20	1741790000	1742020000
18	86.36	(3.400)	20	1741800000	1742030000
19	91.44	(3.600)	20	1741810000	1742040000
20	96.52	(3.800)	20	1741820000	1742050000
21	101.60	(4.000)	20	1741830000	1742060000
22	106.68	(4.200)	20	1741840000	1742070000
23	111.76	(4.400)	20	1741850000	1742080000
24	116.84	(4.600)	20	1741860000	1742090000



**BLZ 5.08/225B**

**Accessories**



**Possible colors**  
Additional colours on request



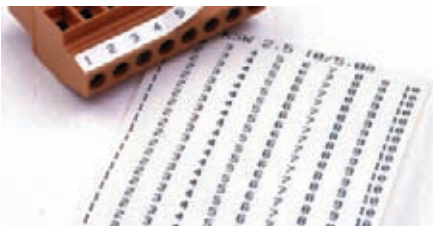
**Coding**  
See chapter accessories



**Fixing block**  
See chapter accessories



**Marking strips**  
See chapter accessories



**Screwdriver**  
See chapter accessories  
Order No. 9008390000



**Ordering data**

**Solder pin length**

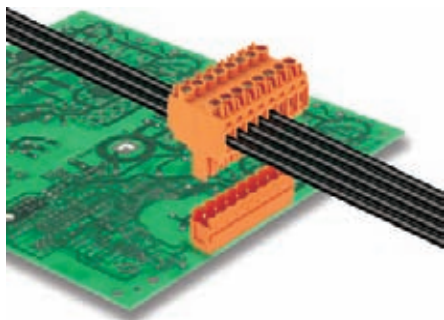
Colour of plastic  orange  black

**Pitch 5.08 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1742100000	1742330000
3	10.16	(0.400)	100	1742110000	1742340000
4	15.24	(0.600)	100	1742120000	1742350000
5	20.32	(0.800)	50	1742130000	1742360000
6	25.40	(1.000)	50	1742140000	1742370000
7	30.48	(1.200)	50	1742150000	1742380000
8	35.56	(1.400)	50	1742160000	1742390000
9	40.64	(1.600)	50	1742170000	1742400000
10	45.72	(1.800)	50	1742180000	1742410000
11	50.80	(2.000)	50	1742190000	1742420000
12	55.88	(2.200)	50	1742200000	1742430000
13	60.96	(2.400)	50	1742210000	1742440000
14	66.04	(2.600)	50	1742220000	1742450000
15	71.12	(2.800)	50	1742230000	1742460000
16	76.20	(3.000)	50	1742240000	1742470000
17	81.28	(3.200)	20	1742250000	1742480000
18	86.36	(3.400)	20	1742260000	1742490000
19	91.44	(3.600)	20	1742270000	1742500000
20	96.52	(3.800)	20	1742280000	1742510000
21	101.60	(4.000)	20	1742290000	1742520000
22	106.68	(4.200)	20	1742300000	1742530000
23	111.76	(4.400)	20	1742310000	1742540000
24	116.84	(4.600)	20	1742320000	1742550000

# Socket connectors with clamping yoke connection

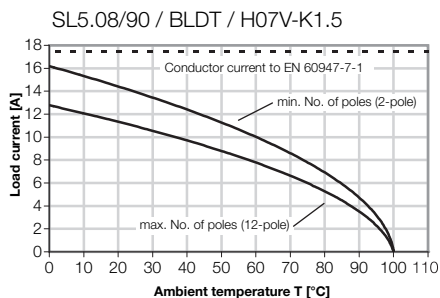
## BLDT 5.08



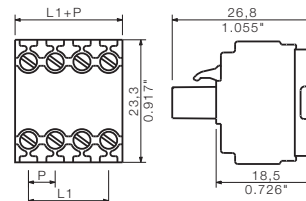
Socket connectors with 2 screw connections per pole for conductor connection with 90° and 270° outlet direction. The socket connectors provide space for labelling and can be coded. Packaged in cardboard box.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 14 A (IEC) / 10 A (UL)

## Derating curve

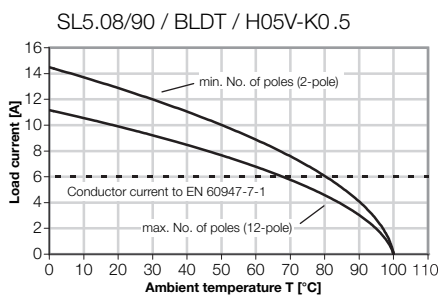


## BLDT 5.08



## Technical data

Rated data to IEC 60664-1 / IEC 61984		
Clamping range, max.	mm <sup>2</sup>	0.13...3.31
Solid H05(07) V-U	mm <sup>2</sup>	0.2...2.5
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...2.5
Flexible with ferrule	mm <sup>2</sup>	0.2...1.5
Ferrule with plastic collar	mm <sup>2</sup>	0.2...1.5
Stripping length	mm	7
Screwdriver blade	mm	0.6 x 3.5
according to norm		DIN 5264
Tightening torque range	Nm	0.4...0.5
Rated current at ambient temperature		
	20°C	40°C
A	14	12
Overvoltage category		
	III	III
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	10 10
AWG conductor		26-12
CSA C22.2 rated data		
	B	C D
Rated 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		Cu alloy
Material of contact surface		tinned

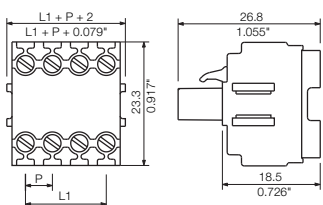


## Ordering data

Solder pin length		Colour of plastic	
		orange	black
Pitch 5.08 mm			
Poles	L1 mm (inch)	Qty.	Order No.
2	5.08 (0.200)	100	1644730000
3	10.16 (0.400)	100	1644740000
4	15.24 (0.600)	50	1644750000
5	20.32 (0.800)	50	1644760000
6	25.40 (1.000)	50	1644770000
7	30.48 (1.200)	50	1644780000
8	35.56 (1.400)	50	1644790000
9	40.64 (1.600)	50	1644800000
10	45.72 (1.800)	50	1644810000
11	50.80 (2.000)	50	1644820000
12	55.88 (2.200)	50	1644830000

**BLDT 5.08B**

**Accessories**



**Possible colors**  
Additional colours on request



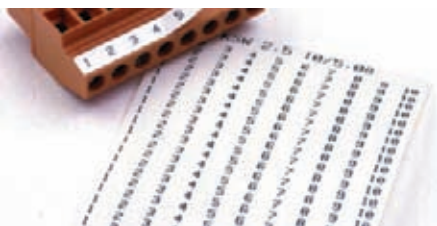
**Coding**  
See chapter accessories



**Fixing block**  
See chapter accessories



**Marking strips**  
See chapter accessories



**Screwdriver**  
See chapter accessories  
Order No. 9008390000



**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)	100	1651740000	1673780000
3	10.16	(0.400)	100	1651750000	1673790000
4	15.24	(0.600)	50	1651760000	1673800000
5	20.32	(0.800)	50	1651770000	1673810000
6	25.40	(1.000)	50	1651780000	1673820000
7	30.48	(1.200)	50	1651790000	1673830000
8	35.56	(1.400)	50	1651800000	1673840000
9	40.64	(1.600)	50	1651810000	1673850000
10	45.72	(1.800)	50	1651820000	1673860000
11	50.80	(2.000)	50	1651830000	1673870000
12	55.88	(2.200)	50	1651840000	1673880000



## Accessories

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### Possible colors

Additional colours on request



### Coding

See chapter accessories



### Test plug

See chapter accessories

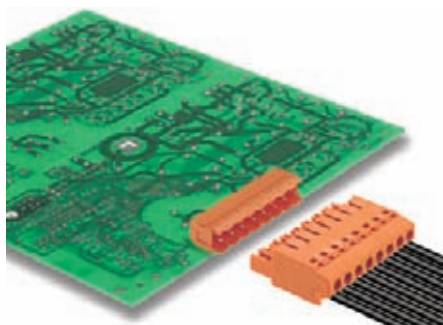


### Screwdriver

See chapter accessories  
Order No. 9008390000



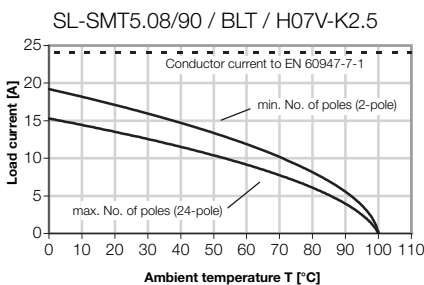
BLT 5.08



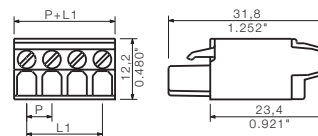
Socket connectors with screw connection in TOP system for conductor connection with straight 180° outlet direction. The socket connectors provide space for labelling and can be coded. Packaged in cardboard box.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

Derating curve



BLT 5.08



Technical data

Rated data to IEC 60664-1 / IEC 61984

Clamping range, max.	mm <sup>2</sup>	0.13...2.5	
Solid H05(07) V-U	mm <sup>2</sup>	0.2...2.5	
Stranded H07 V-R	mm <sup>2</sup>		
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...1.5	
Flexible with ferrule	mm <sup>2</sup>	0.2...1.5	
Ferrule with plastic collar	mm <sup>2</sup>	0.2...1.5	
Stripping length	mm	13	
Screwdriver blade	mm	0.6 x 3.5	
according to norm		DIN 5264	
Tightening torque range	Nm	0.4...0.5	

Rated current

at ambient temperature		20°C	40°C
	A	17	15

Overvoltage category

	III	III	II
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Pollution severity

	3	2	2
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Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4

UL 1059 rated data

		<b>B</b>	<b>C</b>	<b>D</b>
Nominal voltage	V	300	300	
Rated current	A	10	10	
AWG conductor		26-14		

CSA C22.2 rated data

		<b>B</b>	<b>C</b>	<b>D</b>
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor		26-14		

Material data

Type of insulating material	PBT
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.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- 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

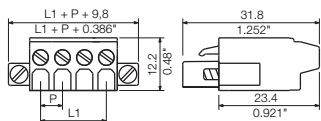
Solder pin length

Colour of plastic	<b>orange</b>	black
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Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1499560000	1499510000
3	10.16	(0.400)	100	1499660000	1499610000
4	15.24	(0.600)	100	1499760000	1499710000
5	20.32	(0.800)	50	1499860000	1499810000
6	25.40	(1.000)	50	1499960000	1499910000
7	30.48	(1.200)	50	1500060000	1500010000
8	35.56	(1.400)	50	1500160000	1500110000
9	40.64	(1.600)	50	1500260000	1500210000
10	45.72	(1.800)	50	1500360000	1500310000
11	50.80	(2.000)	50	1500460000	1500410000
12	55.88	(2.200)	50	1500560000	1500510000
13	60.96	(2.400)	25	1500660000	1500610000
14	66.04	(2.600)	50	1500760000	1500710000
15	71.12	(2.800)	50	1500860000	1500810000
16	76.20	(3.000)	50	1500960000	1500910000
17	81.28	(3.200)	20	1501060000	1501010000
18	86.36	(3.400)	20	1501160000	1501110000
19	91.44	(3.600)	20	1501260000	1501210000
20	96.52	(3.800)	20	1501360000	1501310000
21	101.60	(4.000)	20	1501460000	1501410000
22	106.68	(4.200)	20	1501560000	1501510000
23	111.76	(4.400)	20	1501660000	1501610000
24	116.84	(4.600)	20	1501760000	1501710000

**BLT 5.08F**



**Accessories**

**Possible colors**

Additional colours on request



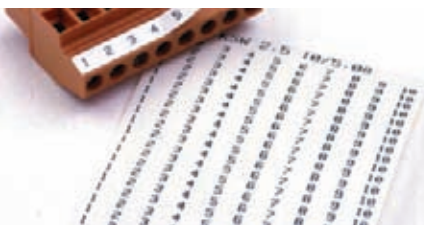
**Coding**

See chapter accessories



**Marking strips**

See chapter accessories



**Screwdriver**

See chapter accessories  
Order No. 9008390000



**Ordering data**

**Solder pin length**

Colour of plastic	<input checked="" type="checkbox"/> orange	<input type="checkbox"/> black
-------------------	--	--------------------------------

**Pitch 5.08 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1843990000	1844220000
3	10.16	(0.400)	100	1844000000	1844230000
4	15.24	(0.600)	100	1844010000	1844240000
5	20.32	(0.800)	50	1844020000	1844250000
6	25.40	(1.000)	50	1844030000	1844260000
7	30.48	(1.200)	50	1844040000	1844270000
8	35.56	(1.400)	50	1844050000	1844280000
9	40.64	(1.600)	50	1844060000	1844290000
10	45.72	(1.800)	50	1844070000	1844300000
11	50.80	(2.000)	50	1844080000	1844310000
12	55.88	(2.200)	50	1844090000	1844320000
13	60.96	(2.400)	50	1844100000	1844330000
14	66.04	(2.600)	50	1844110000	1844340000
15	71.12	(2.800)	50	1844120000	1844350000
16	76.20	(3.000)	50	1844130000	1844360000
17	81.28	(3.200)	20	1844140000	1844370000
18	86.36	(3.400)	20	1844150000	1844380000
19	91.44	(3.600)	20	1844160000	1844390000
20	96.52	(3.800)	20	1844170000	1844400000
21	101.60	(4.000)	20	1844180000	1844410000
22	106.68	(4.200)	20	1844190000	1844420000
23	111.76	(4.400)	20	1844200000	1844430000
24	116.84	(4.600)	20	1844210000	1844440000

G

## Socket connectors with TOP connection

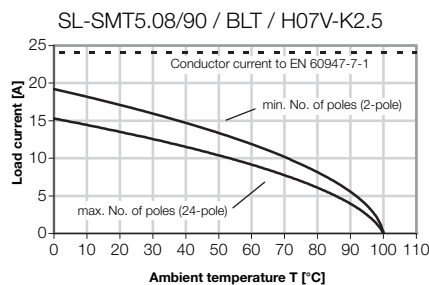
### BLT 5.08



Socket connectors with screw connection in TOP system for conductor connection with straight 180° outlet direction and release lever or release bar mechanism. The socket connectors provide space for labelling and can be coded. Packaged in cardboard box.

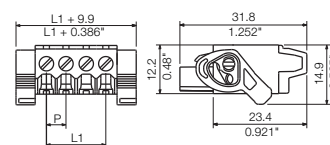
- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

### Derating curve



### BLT 5.08LH

with release lever



### Technical data

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

Clamping range, max.	mm <sup>2</sup>	0.13...2.5
Solid H05(07) V-U	mm <sup>2</sup>	0.2...2.5
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...1.5
Flexible with ferrule	mm <sup>2</sup>	0.2...1.5
Ferrule with plastic collar	mm <sup>2</sup>	0.2...1.5
Stripping length	mm	13
Screwdriver blade	mm	0.6 x 3.5
according to norm		DIN 5264
Tightening torque range	Nm	0.4...0.5

#### Rated current

at ambient temperature		20°C	40°C
	A	17	15

#### Overvoltage category

	III	III	II
--	-----	-----	----

#### Pollution severity

	3	2	2
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Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4

#### UL 1059 rated data

		<b>B</b>	<b>C</b>	<b>D</b>
Nominal voltage	V	300	300	
Rated current	A	10	10	
AWG conductor			26-14	

#### CSA C22.2 rated data

		<b>B</b>	<b>C</b>	<b>D</b>
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor			26-14	

#### Material data

Type of insulating material	PBT
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.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- Crimp form A for wire end ferrules with PZ 6/5 crimping tool are recommended for the largest cable sizes.
- 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

Colour of plastic	orange	black
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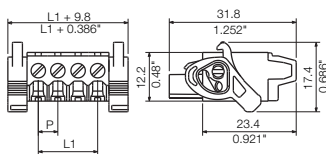
#### Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1889960000	1892490000
3	10.16	(0.400)	100	1889970000	1892500000
4	15.24	(0.600)	100	1889980000	1892510000
5	20.32	(0.800)	50	1889990000	1892520000
6	25.40	(1.000)	50	1890030000	1892530000
7	30.48	(1.200)	50	1890040000	1892540000
8	35.56	(1.400)	50	1890050000	1892550000
9	40.64	(1.600)	50	1890060000	1892560000
10	45.72	(1.800)	50	1890070000	1892570000
11	50.80	(2.000)	50	1890080000	1892580000
12	55.88	(2.200)	50	1890090000	1892590000
13	60.96	(2.400)	50	1890100000	1892600000
14	66.04	(2.600)	50	1890110000	1892610000
15	71.12	(2.800)	50	1890120000	1892620000
16	76.20	(3.000)	50	1890130000	1892630000
17	81.28	(3.200)	20	1890140000	1892640000
18	86.36	(3.400)	20	1890150000	1892650000
19	91.44	(3.600)	20	1890160000	1892660000
20	96.52	(3.800)	20	1890170000	1892670000
21	101.60	(4.000)	20	1890180000	1892680000
22	106.68	(4.200)	20	1890190000	1892690000
23	111.76	(4.400)	20	1890200000	1892700000
24	116.84	(4.600)	20	1890210000	1892710000



**BLT 5.08LR**

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)	100	1890220000	1894130000
3	10.16	(0.400)	100	1890230000	1894140000
4	15.24	(0.600)	100	1890240000	1894150000
5	20.32	(0.800)	50	1890250000	1894160000
6	25.40	(1.000)	50	1890260000	1894170000
7	30.48	(1.200)	50	1890270000	1894180000
8	35.56	(1.400)	50	1890280000	1894190000
9	40.64	(1.600)	50	1890290000	1894200000
10	45.72	(1.800)	50	1890300000	1894210000
11	50.80	(2.000)	50	1890310000	1894220000
12	55.88	(2.200)	50	1890320000	1894230000
13	60.96	(2.400)	50	1890330000	1894240000
14	66.04	(2.600)	50	1890340000	1894250000
15	71.12	(2.800)	50	1890350000	1894260000
16	76.20	(3.000)	50	1890360000	1894270000
17	81.28	(3.200)	20	1890370000	1894280000
18	86.36	(3.400)	20	1890380000	1894290000
19	91.44	(3.600)	20	1890390000	1894310000
20	96.52	(3.800)	20	1890400000	1894330000
21	101.60	(4.000)	20	1890410000	1894340000
22	106.68	(4.200)	20	1890420000	1894350000
23	111.76	(4.400)	20	1890430000	1894360000
24	116.84	(4.600)	20	1890440000	1894370000

**Accessories**

**Possible colors**

Additional colours on request



**Coding**

See chapter accessories



**Marking strips**

See chapter accessories



**Screwdriver**

See chapter accessories  
Order No. 9008390000



**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 flange, 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 flange 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

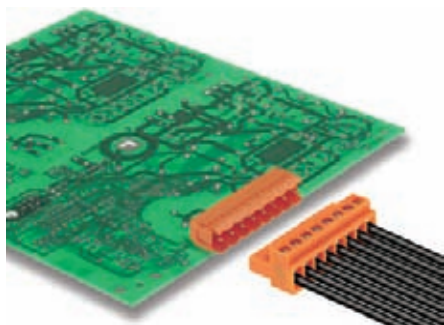


released



## Socket connectors with leaf spring connection

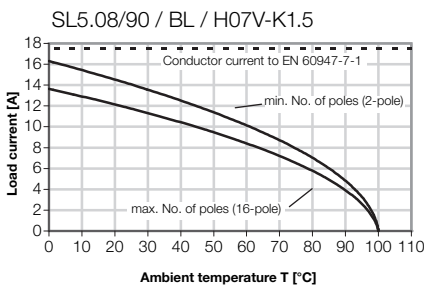
### BL 5.08 BL 5.00



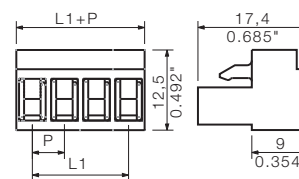
Socket connectors with leaf spring connection for conductor connection with straight outlet. The socket connectors provide space for labelling and can be coded. Packed in cardboard box.

- 0.2 - 1.5 mm<sup>2</sup> (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 14 A (IEC) / 10 A (UL)

### Derating curve



### BL 5.08 BL 5.00



### Technical data

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

Clamping range, max.	mm <sup>2</sup>	0.13...2.08
Solid H05(07) V-U	mm <sup>2</sup>	0.2...1.5
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	0.2...1.5
Flexible with ferrule	mm <sup>2</sup>	0.2...1.5
Ferrule with plastic collar	mm <sup>2</sup>	0.2...1
Stripping length	mm	6
Screwdriver blade	mm	0.6 x 3.5
according to norm		DIN 5264
Tightening torque range	Nm	0.4...0.5

#### Rated current

at ambient temperature	20°C	40°C
A	14	12

#### Overvoltage category

III	III	II
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#### Pollution severity

3	2	2
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Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4

#### UL 1059 rated data

	B	C	D
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Nominal voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-14	

#### CSA C22.2 rated data

	B	C	D
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Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		26-14	

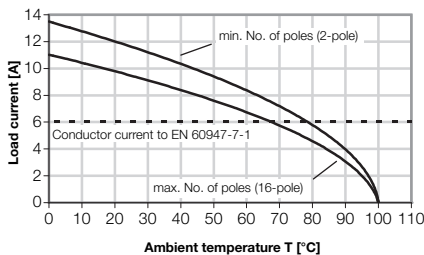
#### Material data

Type of insulating material	PA
Flammability class acc. UL94	V-2
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.
- Wire end ferrule without plastic collar to DIN 46228 pt 1
- Wire end ferrule with plastic collar to DIN 46228 pt 4
- P on drg. = pitch
- Do not tighten screws when plugged in.
- 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.

### SL5.08/90 / BL / H05V-K0.5



### Ordering data

#### Solder pin length

Colour of plastic	orange	black
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#### Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1716320000	1716470000
3	10.16	(0.400)	100	1716330000	1716480000
4	15.24	(0.600)	100	1716340000	1716490000
5	20.32	(0.800)	50	1716350000	1716500000
6	25.40	(1.000)	50	1716360000	1716510000
7	30.48	(1.200)	50	1716370000	1716520000
8	35.56	(1.400)	50	1716380000	1716530000
9	40.64	(1.600)	50	1716390000	1716540000
10	45.72	(1.800)	50	1716400000	1716550000
11	50.80	(2.000)	50	1716410000	1716560000
12	55.88	(2.200)	50	1716420000	1716570000
13	60.96	(2.400)	50	1716430000	1716580000
14	66.04	(2.600)	50	1716440000	1716590000
15	71.12	(2.800)	50	1716450000	1716600000
16	76.20	(3.000)	50	1716460000	1716610000

#### Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1723110000	1730700000
3	10.00	(0.394)	100	1723120000	1730710000
4	15.00	(0.591)	100	1723130000	1730720000
5	20.00	(0.787)	50	1723140000	1730730000
6	25.00	(0.984)	50	1723150000	1730740000
7	30.00	(1.181)	50	1723160000	1730750000
8	35.00	(1.378)	50	1723170000	1730760000
9	40.00	(1.575)	50	1723180000	1730770000
10	45.00	(1.772)	50	1723190000	1730780000
11	50.00	(1.969)	50	1723200000	1730790000
12	55.00	(2.165)	50	1723210000	1730800000
13	60.00	(2.362)	50	1723220000	1730810000
14	65.00	(2.559)	50	1723230000	1730820000
15	70.00	(2.756)	50	1723240000	1730830000
16	75.00	(2.953)	50	1723250000	1730840000

## Accessories

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### Coding

See chapter accessories



### Clip-in lugs

See chapter accessories



## Socket connectors with Push In connection

### BLF 5.08/180 BLF 5.00/180



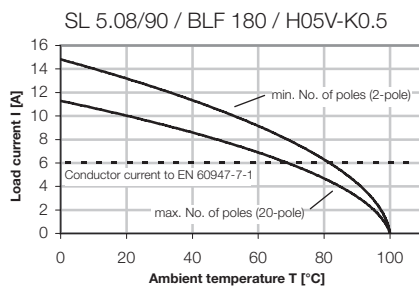
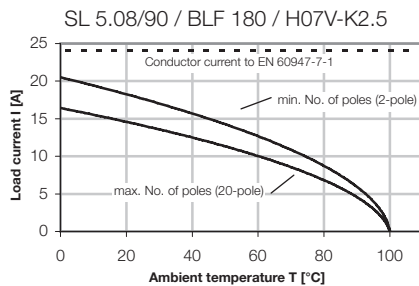
Socket blocks featuring the speedy PUSH IN time-saving connection system, with a 0.2 mm – 2.5 mm clamping range with ferrules, and a straight (180°) wire outlet. The BLF's rounded outer edges and an enlarged slider mechanism provide you with a comfortable feel and safe handling. In addition, this new connector family is offered with the entire spectrum of mechanisms – from screw flange to release latch – for fastening to the pin header. The integrated test point allows you to perform diagnostics quickly.

### Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm <sup>2</sup>	0.13 ... 3.31	
Solid H05(07) V-U	mm <sup>2</sup>	0.2 ... 2.5	
Stranded H07 V-R	mm <sup>2</sup>	0.2 ... 2.5	
Flexible H05(07) V-K	mm <sup>2</sup>	0.2 ... 2.5	
Flexible with ferrule	mm <sup>2</sup>	0.2 ... 2.5	
Ferrule with plastic collar	mm <sup>2</sup>	0.2 ... 2.5	
Stripping length	mm	10	
Screwdriver blade according to norm	mm	0.6 x 3.5 DIN 5264	
Tightening torque range	Nm		
Rated current at ambient temperature			
		20 °C	40 °C
	A	18	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 – E60693			
		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		26–12	
CSA C22.2 rated data – LR12400			
		B	B C D
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			

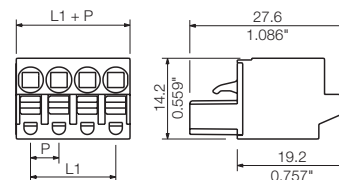
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt1
- Wire end ferrule with plastic collar to DIN 46228 pt4
- P on drg. = pitch
- Rated data refer only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



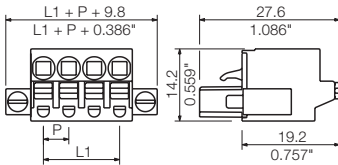
### Ordering data

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

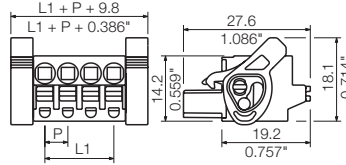
**BLF 5.08/180F**  
**BLF 5.00/180F**

with flange



**BLF 5.08/180LR**  
**BLF 5.00/180LR**

with release bar



**Accessories**

Possible colors



Coding



Marking strips



Screwdriver

Order No. 9008330000



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

**Ordering data**

Solder pin length		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

**Ordering data**

Solder pin length		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**



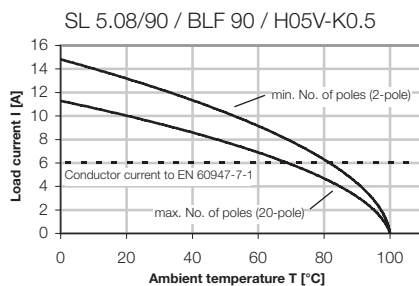
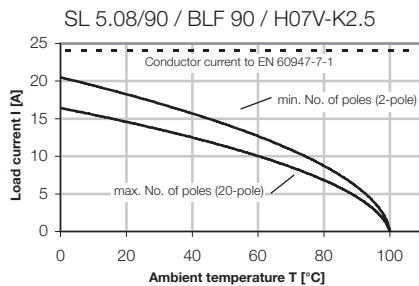
Socket blocks featuring the speedy PUSH IN time-saving connection system, a 0.2 mm – 2.5 mm clamping range with ferrules, and a 90° wire outlet. The product's rounded outer edges and a larger slider mechanism provide you with a comfortable feel and safe handling. In addition, this new connector family is offered with the entire spectrum of mechanisms – from screw flange to release latch – for fastening to the pin header. The integrated test point allows you to perform manual diagnostics quickly.

**Technical data**

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm <sup>2</sup>	0.13 ... 3.31	
Solid H05(07) V-U	mm <sup>2</sup>	0.2 ... 2.5	
Stranded H07 V-R	mm <sup>2</sup>		
Flexible H05(07) V-K	mm <sup>2</sup>	0.2 ... 2.5	
Flexible with ferrule	mm <sup>2</sup>	0.2 ... 2.5	
Ferrule with plastic collar	mm <sup>2</sup>	0.2 ... 1.5	
Stripping length	mm	10	
Screwdriver blade	mm	0.6 x 3.5	
		according to norm	
Tightening torque range	Nm	DIN 5264	
Rated current			
at ambient temperature			
		20 °C	40 °C
	A	18	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 – E60693			
		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		26–12	
CSA C22.2 rated data – LR12400			
		B	B C D
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			

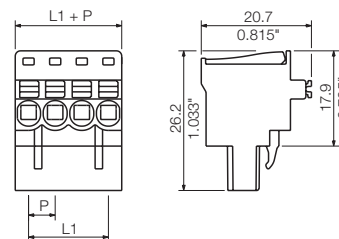
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt1
- Wire end ferrule with plastic collar to DIN 46228 pt4
- P on drg. = pitch
- Rated data refer only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



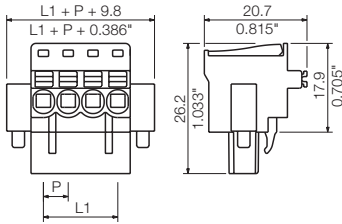
**Ordering data**

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**

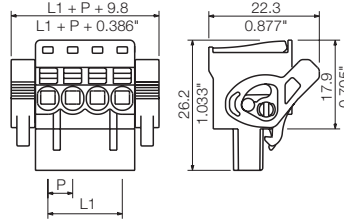
Solder pin length		orange		black	
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	90	1002090000	1000220001
3	10.16	(0.400)	72	1002100000	1000230001
4	15.24	(0.600)	60	1002110000	1000240001
5	20.32	(0.800)	48	1002120000	1000250001
6	25.40	(1.000)	42	1002130000	1000260001
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 5.08/90LR**  
**BLF 5.00/90LR**

with release bar



**Ordering data**

Solder pin length		orange		black	
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	90	1002280000	1000410001
3	10.16	(0.400)	72	1002290000	1000420001
4	15.24	(0.600)	60	1002300000	1000430001
5	20.32	(0.800)	48	1002310000	1000440001
6	25.40	(1.000)	42	1002320000	1000450001
7	30.48	(1.200)	36	1002330000	1000460001
8	35.56	(1.400)	36	1002340000	1000470001
9	40.64	(1.600)	30	1002350000	1000480001
10	45.72	(1.800)	30	1002360000	1000490001
11	50.80	(2.000)	24	1002370000	1000500001
12	55.88	(2.200)	24	1002380000	1000510001
13	60.96	(2.400)	24	1002390000	1000520001
14	66.04	(2.600)	18	1002400000	1000530001
15	71.12	(2.800)	18	1002410000	1000540001
16	76.20	(3.000)	18	1002420000	1000550001
17	81.28	(3.200)	18	1002430000	1000560001
18	86.36	(3.400)	18	1002440000	1000570001
19	91.44	(3.600)	12	1002450000	1000580001
20	96.52	(3.800)	12	1002460000	1000590001

**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

**Accessories**

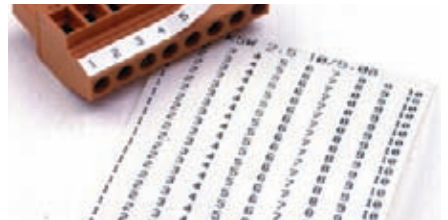
Possible colors



Coding



Marking strips



Screwdriver

Order No. 9008330000



Ferrules

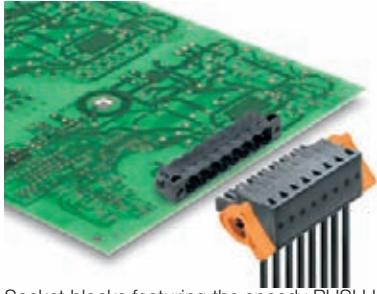
according to DIN 46228 part 4



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

Socket connectors with Push In connection

BLF 5.08/270



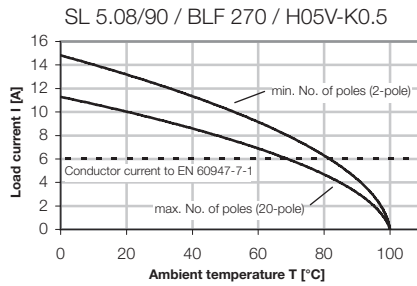
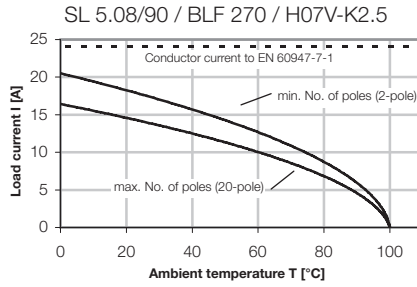
Socket blocks featuring the speedy PUSH IN connection system, a 0.2 mm – 2.5 mm clamping range with ferrules, and a 270° wire outlet. The BLF's rounded outer edges and a larger slider mechanism provide you with a comfortable feel and safe handling. In addition, this new connector family is offered with the entire spectrum of mechanisms – from screw flange to release latch – for fastening to the pin header. The integrated test point allows you to perform manual diagnostics quickly.

Technical data

Rated data to IEC 60664-1 / IEC 61984			
Clamping range, max.	mm <sup>2</sup>	0.13 ... 3.31	
Solid H05(07) V-U	mm <sup>2</sup>	0.2 ... 2.5	
Stranded H07 V-R	mm <sup>2</sup>	0.2 ... 2.5	
Flexible H05(07) V-K	mm <sup>2</sup>	0.2 ... 2.5	
Flexible with ferrule	mm <sup>2</sup>	0.2 ... 2.5	
Ferrule with plastic collar	mm <sup>2</sup>	0.2 ... 2.5	
Stripping length	mm	10	
Screwdriver blade according to norm	mm	0.6 x 3.5 DIN 5264	
Tightening torque range	Nm		
Rated current at ambient temperature			
	A	20 °C	40 °C
		18	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 – E60693			
		B	C D
Rated voltage	V	300	300
Rated current	A	10	10
AWG conductor		26–12	
CSA C22.2 rated data – LR12400			
		B	B C D
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			

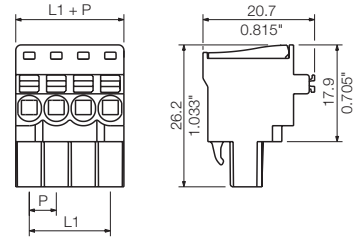
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228 pt1
- Wire end ferrule with plastic collar to DIN 46228 pt4
- P on drg. = pitch
- Rated data refer only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



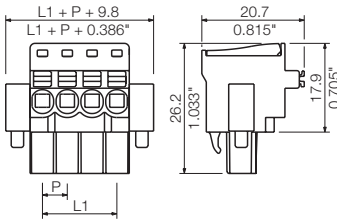
Ordering data

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



**BLF 5.08/270F**

with flange

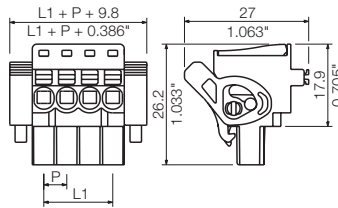


**Ordering data**

Solder pin length					
Colour					
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	90	1982890000	1982120000
3	10.16	(0.400)	72	1982900000	1982130000
4	15.24	(0.600)	60	1982910000	1982140000
5	20.32	(0.800)	48	1982920000	1982150000
6	25.40	(1.000)	42	1982930000	1982160000
7	30.48	(1.200)	36	1982940000	1982170000
8	35.56	(1.400)	36	1982950000	1982180000
9	40.64	(1.600)	30	1982960000	1982190000
10	45.72	(1.800)	30	1982970000	1982200000
11	50.80	(2.000)	24	1982980000	1982210000
12	55.88	(2.200)	24	1982990000	1982220000
13	60.96	(2.400)	24	1983000000	1982230000
14	66.04	(2.600)	18	1983010000	1982240000
15	71.12	(2.800)	18	1983020000	1982250000
16	76.20	(3.000)	18	1983030000	1982260000
17	81.28	(3.200)	18	1983040000	1982270000
18	86.36	(3.400)	18	1983050000	1982280000
19	91.44	(3.600)	12	1983060000	1982290000
20	96.52	(3.800)	12	1983070000	1982300000

**BLF 5.08/270LR**

with release bar



**Ordering data**

Solder pin length					
Colour					
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	90	1983080000	1982310000
3	10.16	(0.400)	72	1983090000	1982320000
4	15.24	(0.600)	60	1983100000	1982330000
5	20.32	(0.800)	48	1983110000	1982340000
6	25.40	(1.000)	42	1983120000	1982350000
7	30.48	(1.200)	36	1983130000	1982360000
8	35.56	(1.400)	36	1983140000	1982370000
9	40.64	(1.600)	30	1983150000	1982380000
10	45.72	(1.800)	30	1983160000	1982390000
11	50.80	(2.000)	24	1983170000	1982400000
12	55.88	(2.200)	24	1983180000	1982410000
13	60.96	(2.400)	24	1983190000	1982420000
14	66.04	(2.600)	18	1983200000	1982430000
15	71.12	(2.800)	18	1983210000	1982440000
16	76.20	(3.000)	18	1983220000	1982450000
17	81.28	(3.200)	18	1983230000	1982460000
18	86.36	(3.400)	18	1983240000	1982470000
19	91.44	(3.600)	12	1983250000	1982480000
20	96.52	(3.800)	12	1983260000	1982490000

**Accessories**

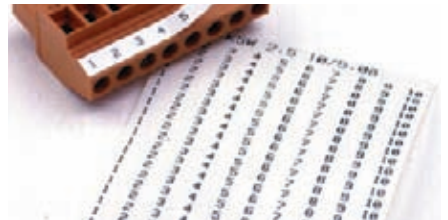
Possible colors



Coding



Marking strips



Screwdriver

Order No. 9008330000



Ferrules

according to DIN 46228 part 4

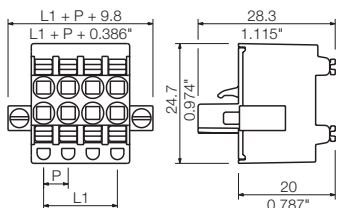


Type	Order No.
H0.5/14S (white)	9004590000
H1.0/14S (red)	9018560000
H1.5/14S (black)	9025240000
H2.5/14S (blue)	1333100000



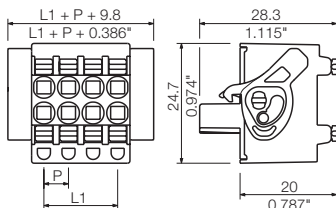
**BLDF 5.08/180F**

with flange



**BLDF 5.08/180LR**

with release bar



**Ordering data**

Solder pin length		orange		black	
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	90	1001220000	1000930000
3	10.16	(0.400)	72	1012060000	1000950000
4	15.24	(0.600)	60	1059420000	1000960000
5	20.32	(0.800)	48	1065080000	1000970000
6	25.40	(1.000)	42	1065090000	1000980000
7	30.48	(1.200)	36	1065110000	1000990000
8	35.56	(1.400)	36	1065120000	1001000000

**Ordering data**

Solder pin length		orange		black	
Pitch 5.08 mm					
Poles	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**

Possible colors



Coding



Marking strips



Screwdriver

Order No. 9008330000



Ferrules

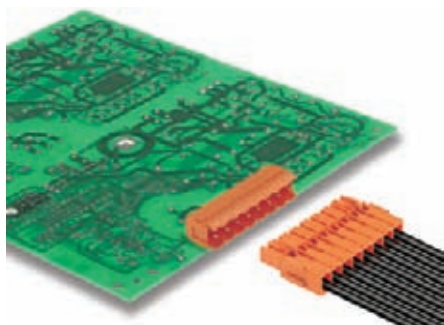
according to DIN 46228 part 4



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

## Socket connectors with crimp connection

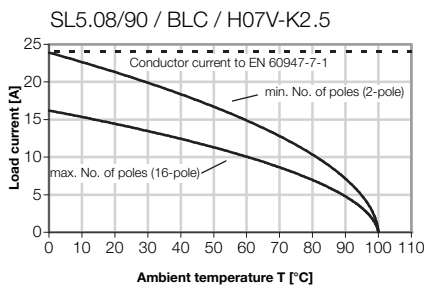
### BLC 5.08



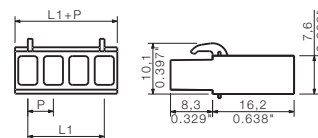
Socket connectors with crimp connection system enable rational prefabrication of cable looms by less skilled operatives and guarantee a distinct cost-saving. The BLC is also available with dovetail (BLC 5.08 BR) for convenient attachment of fixing blocks. Supplied in cardboard box.

- 0.25 - 2.5 mm<sup>2</sup> (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 21 A (IEC) / 10 A (UL)

### Derating curve



### BLC 5.08R



### Technical data

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

Clamping range, max.	mm <sup>2</sup>	0.22...2.5	
Solid H05(07) V-U	mm <sup>2</sup>		
Stranded H07 V-R	mm <sup>2</sup>		
Flexible H05(07) V-K	mm <sup>2</sup>	0.5...2.5	
Flexible with ferrule	mm <sup>2</sup>		
Ferrule with plastic collar	mm <sup>2</sup>		
Stripping length	mm	5	
Screwdriver blade	mm		
according to norm			
Tightening torque range	Nm		

#### Rated current

at ambient temperature	20°C	40°C
A	21	18

#### Overvoltage category

III	III	II
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#### Pollution severity

3	2	2
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Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4

#### UL 1059 rated data

		<b>B</b>	<b>C</b>	<b>D</b>
Nominal voltage	V	300	300	
Rated current	A	10	10	
AWG conductor		26-14		

#### CSA C22.2 rated data

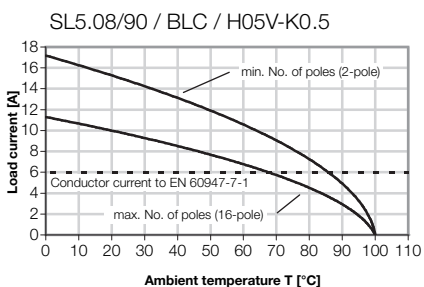
		<b>B</b>	<b>C</b>	<b>D</b>
Rated voltage	V	300	300	
Rated current	A	10	10	
AWG conductor		26-14		

#### Material data

Type of insulating material	PBT GF
Flammability class acc. UL94	V-0
Contact base material	Cu alloy
Material of contact surface	tinned

#### Information

- Additional colours on request
- Rated current related to rated cross-section and min. No. of poles.
- Rated cross-section depends on crimp contact used.
- 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

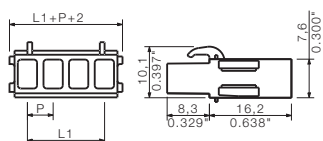
#### Solder pin length

Colour of plastic	<b>orange</b>	black
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#### Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1610490000	1711960000
3	10.16	(0.400)	100	1610500000	1711970000
4	15.24	(0.600)	100	1610510000	1711980000
5	20.32	(0.800)	50	1610520000	1711990000
6	25.40	(1.000)	50	1610530000	1712000000
7	30.48	(1.200)	50	1610540000	1712010000
8	35.56	(1.400)	50	1610550000	1712020000
9	40.64	(1.600)	50	1610560000	1712030000
10	45.72	(1.800)	50	1610570000	1712040000
11	50.80	(2.000)	50	1610580000	1712050000
12	55.88	(2.200)	50	1610590000	1712060000
13	60.96	(2.400)	50	1610600000	1712070000
14	66.04	(2.600)	50	1610610000	1712080000
15	71.12	(2.800)	50	1610620000	1712090000
16	76.20	(3.000)	50	1610630000	1712100000

**BLC 5.08BR**



**Ordering data**

Solder pin length

Colour of plastic

<input checked="" type="checkbox"/> orange	<input type="checkbox"/> black
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Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1649370000	1712110000
3	10.16	(0.400)	100	1649380000	1712120000
4	15.24	(0.600)	100	1649390000	1712130000
5	20.32	(0.800)	50	1649400000	1712140000
6	25.40	(1.000)	50	1649410000	1712150000
7	30.48	(1.200)	50	1649420000	1712160000
8	35.56	(1.400)	50	1649430000	1712170000
9	40.64	(1.600)	50	1649440000	1712180000
10	45.72	(1.800)	50	1649450000	1712190000
11	50.80	(2.000)	50	1649460000	1712200000
12	55.88	(2.200)	50	1649470000	1712210000
13	60.96	(2.400)	50	1649480000	1712220000
14	66.04	(2.600)	50	1649490000	1712230000
15	71.12	(2.800)	50	1649500000	1712240000
16	76.20	(3.000)	50	1649510000	1712250000

**Accessories**

**Possible colors**

Additional colours on request



**Coding**

See chapter accessories



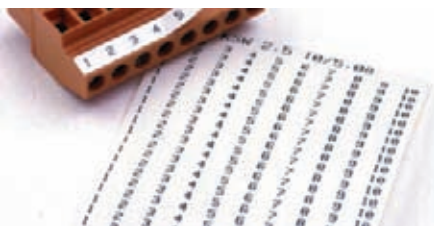
**Fixing block**

See chapter accessories



**Marking strips**

See chapter accessories



**Crimping tool**

See chapter accessories



**DFFC - crimp contact**



**Ordering data**

supplied as separate contacts, tinned

for cable size	Qty.	Order No.
0.22 – 0.35 mm <sup>2</sup> / 24 – 22 AWG	250	1604250000
0.50 – 1.00 mm <sup>2</sup> / 20 – 17 AWG	250	1567060000
1.50 – 2.50 mm <sup>2</sup> / 16 – 14 AWG	250	1567070000

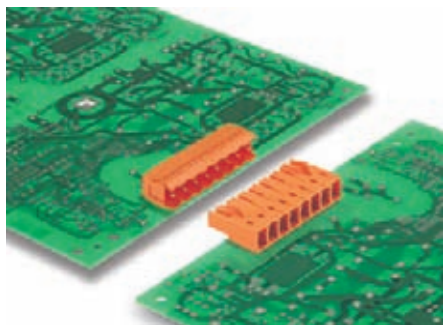
**Ordering data**

supplied on a strip, tinned

for cable size	Qty.	Order No.
0.22 – 0.35 mm <sup>2</sup> / 24 – 22 AWG	3000	1604230000
0.50 – 1.00 mm <sup>2</sup> / 20 – 17 AWG	3000	1480000000
1.50 – 2.50 mm <sup>2</sup> / 16 – 14 AWG	2500	1480100000

## Socket connectors with solder connection

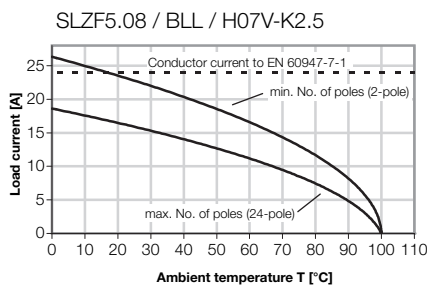
### BLL 5.08



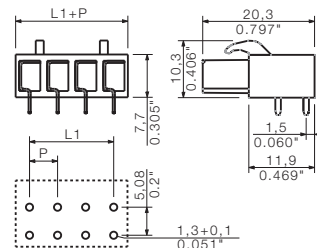
Socket connector for PCB mounting with 90° outlet direction. The BLL can be used for both board-to-board and wire-to-board applications. Solder pin length is optimised for wave soldering. Packed in cardboard box.

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

### Derating curve



### BLL 5.08/90



### Technical data

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

Clamping range, max.	mm <sup>2</sup>	
Solid H05(07) V-U	mm <sup>2</sup>	
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	
Flexible with ferrule	mm <sup>2</sup>	
Ferrule with plastic collar	mm <sup>2</sup>	
Stripping length	mm	
Screwdriver blade	mm	
according to norm		
Tightening torque range	Nm	

#### Rated current

at ambient temperature	20°C	40°C
	23	20

#### Overvoltage category

	III	III	II
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#### Pollution severity

	3	2	2
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Rated voltage	V	250	320	400
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Rated impulse voltage	kV	4	4	4
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#### UL 1059 rated data

	B	C	D
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Nominal voltage	V	300	300
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Rated current	A	15	10
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AWG conductor			
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#### CSA C22.2 rated data

	B	C	D
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Rated voltage	V	300	300
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Rated current	A	15	10
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AWG conductor			
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#### Material data

Type of insulating material	PBT GF
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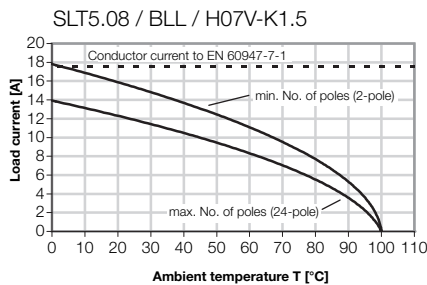
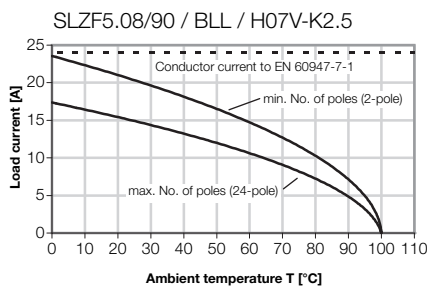
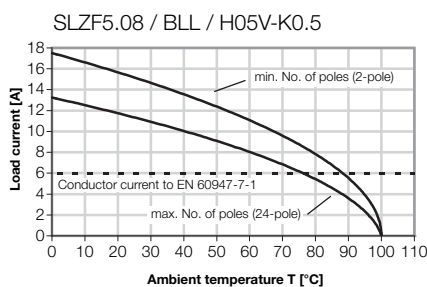
Flammability class acc. UL94	V-0
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Contact base material	Cu alloy
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Material of contact surface	tinned
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#### Information

- 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.



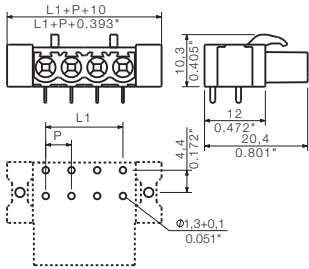
### Ordering data

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1622940000	
3	10.16	(0.400)	100	1622950000	
4	15.24	(0.600)	100	1622960000	
5	20.32	(0.800)	50	1622970000	
6	25.40	(1.000)	50	1622980000	
7	30.48	(1.200)	50	1622990000	
8	35.56	(1.400)	50	1623000000	
9	40.64	(1.600)	50	1623010000	
10	45.72	(1.800)	50	1623020000	
11	50.80	(2.000)	50	1623030000	
12	55.88	(2.200)	50	1623040000	
13	60.96	(2.400)	50	1648420000	
14	66.04	(2.600)	50	1648430000	
15	71.12	(2.800)	50	1648440000	
16	76.20	(3.000)	50	1648450000	
17	81.28	(3.200)	20	1648460000	
18	86.36	(3.400)	20	1648470000	
19	91.44	(3.600)	20	1648480000	
20	96.52	(3.800)	20	1648490000	
21	101.60	(4.000)	20	1648500000	
22	106.68	(4.200)	20	1648510000	
23	111.76	(4.400)	20	1648520000	
24	116.84	(4.600)	20	1648530000	

**BLL 5.08/90FI**

**Accessories**



**Possible colors**

Additional colours on request



**Coding**

See chapter accessories

**Ordering data**

Solder pin length	3.2 mm
Colour of plastic	orange

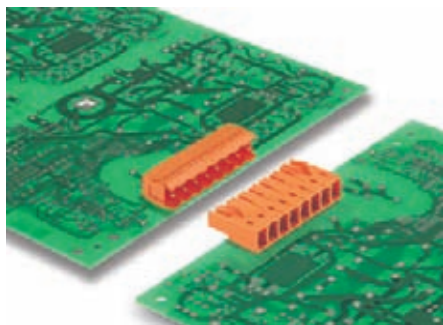
**Pitch 5.08 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1843750000	
3	10.16	(0.400)	100	1843760000	
4	15.24	(0.600)	100	1843770000	
5	20.32	(0.800)	50	1843780000	
6	25.40	(1.000)	50	1843790000	
7	30.48	(1.200)	50	1843800000	
8	35.56	(1.400)	50	1843810000	
9	40.64	(1.600)	50	1843820000	
10	45.72	(1.800)	50	1843830000	
11	50.80	(2.000)	50	1843840000	
12	55.88	(2.200)	50	1843850000	
13	60.96	(2.400)	50	1843860000	
14	66.04	(2.600)	50	1843870000	
15	71.12	(2.800)	50	1843880000	
16	76.20	(3.000)	50	1843890000	
17	81.28	(3.200)	20	1843900000	
18	86.36	(3.400)	20	1843910000	
19	91.44	(3.600)	20	1843920000	
20	96.52	(3.800)	20	1843930000	
21	101.60	(4.000)	20	1843940000	
22	106.68	(4.200)	20	1843950000	
23	111.76	(4.400)	20	1843960000	
24	116.84	(4.600)	20	1843970000	



## Socket connectors with solder connection

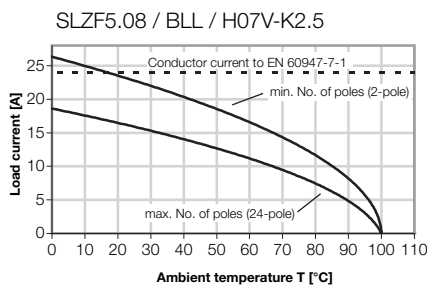
### BLL 5.08



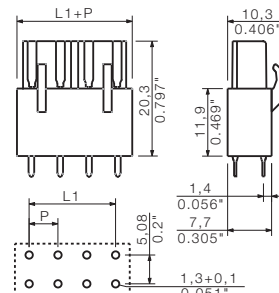
Socket connectors for PCB mounting with straight outlet. The BLL can be used for both board-to-board and wire-to-board applications. Solder pin length is optimised for wave soldering. Packed in cardboard box.

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

### Derating curve



### BLL 5.08/180



### Technical data

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

Clamping range, max.	mm <sup>2</sup>	
Solid H05(07) V-U	mm <sup>2</sup>	
Stranded H07 V-R	mm <sup>2</sup>	
Flexible H05(07) V-K	mm <sup>2</sup>	
Flexible with ferrule	mm <sup>2</sup>	
Ferrule with plastic collar	mm <sup>2</sup>	
Stripping length	mm	
Screwdriver blade	mm	
according to norm		
Tightening torque range	Nm	

#### Rated current

at ambient temperature	20°C	40°C
	23	20

#### Overvoltage category

	III	III	II
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#### Pollution severity

	3	2	2
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Rated voltage	V	250	320	400
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Rated impulse voltage	kV	4	4	4
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#### UL 1059 rated data

	B	C	D
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Nominal voltage	V	300	300
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Rated current	A	15	10
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AWG conductor			
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#### CSA C22.2 rated data

	B	C	D
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Rated voltage	V	300	300
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Rated current	A	15	10
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AWG conductor			
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#### Material data

Type of insulating material	PBT GF
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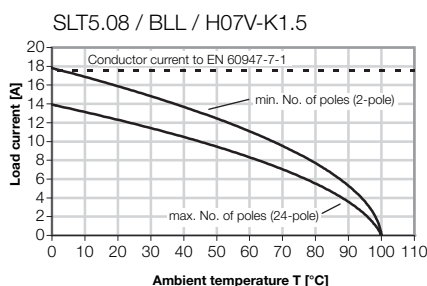
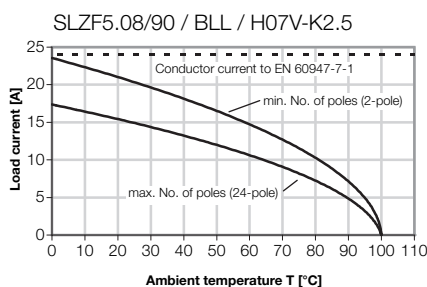
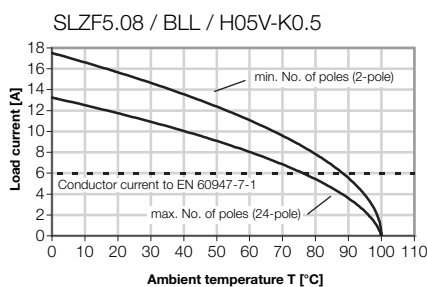
Flammability class acc. UL94	V-0
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Contact base material	Cu alloy
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Material of contact surface	tinned
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#### Information

- 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.



### Ordering data

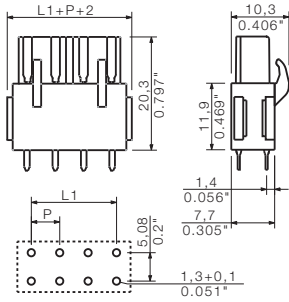
Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1630710000	
3	10.16	(0.400)	100	1630720000	
4	15.24	(0.600)	100	1630730000	
5	20.32	(0.800)	50	1630740000	
6	25.40	(1.000)	50	1630750000	
7	30.48	(1.200)	50	1630760000	
8	35.56	(1.400)	50	1630770000	
9	40.64	(1.600)	50	1630780000	
10	45.72	(1.800)	50	1630790000	
11	50.80	(2.000)	50	1630800000	
12	55.88	(2.200)	50	1630810000	
13	60.96	(2.400)	50	1648900000	
14	66.04	(2.600)	50	1648910000	
15	71.12	(2.800)	50	1648920000	
16	76.20	(3.000)	50	1648930000	
17	81.28	(3.200)	20	1648940000	
18	86.36	(3.400)	20	1648950000	
19	91.44	(3.600)	20	1648960000	
20	96.52	(3.800)	20	1648970000	
21	101.60	(4.000)	20	1648980000	
22	106.68	(4.200)	20	1648990000	
23	111.76	(4.400)	20	1649000000	
24	116.84	(4.600)	20	1649010000	



**BLL 5.08/180B**

**Accessories**



**Possible colors**

Additional colours on request



**Coding**

See chapter accessories

**Ordering data**

Solder pin length	3.2 mm
Colour of plastic	orange

Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1682730000	
3	10.16	(0.400)	100	1682740000	
4	15.24	(0.600)	100	1682750000	
5	20.32	(0.800)	50	1682760000	
6	25.40	(1.000)	50	1682770000	
7	30.48	(1.200)	50	1682780000	
8	35.56	(1.400)	50	1682790000	
9	40.64	(1.600)	50	1682800000	
10	45.72	(1.800)	50	1682810000	
11	50.80	(2.000)	50	1682820000	
12	55.88	(2.200)	50	1682830000	
13	60.96	(2.400)	50	1682840000	
14	66.04	(2.600)	50	1682850000	
15	71.12	(2.800)	50	1682860000	
16	76.20	(3.000)	50	1682870000	
17	81.28	(3.200)	20	1682880000	
18	86.36	(3.400)	20	1682890000	
19	91.44	(3.600)	20	1682900000	
20	96.52	(3.800)	20	1682910000	
21	101.60	(4.000)	20	1682920000	
22	106.68	(4.200)	20	1682930000	
23	111.76	(4.400)	20	1682940000	
24	116.84	(4.600)	20	1682950000	



**Fixing block**

See chapter accessories



