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# Omnimate Range pitch 5.00 / 5.08

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## Male connectors with THR solder connection

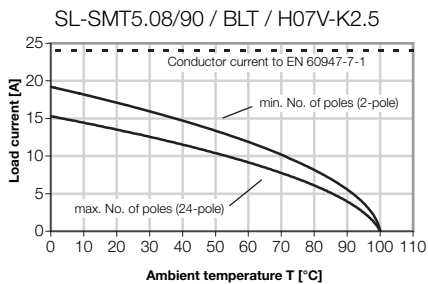
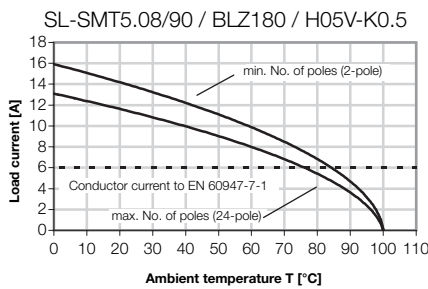
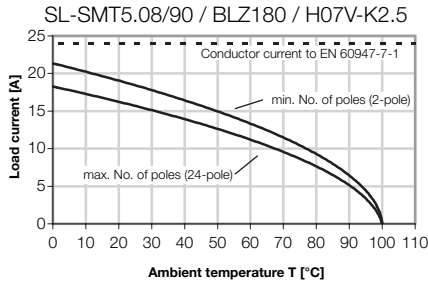
### SL-SMT 5.08/90 SL-SMT 5.00/90



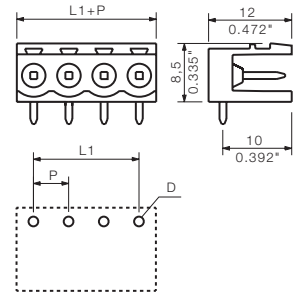
High-temperature-resistant, 90° angled, open male connector. Packed in box or tape. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors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

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

### Derating curve



### SL-SMT 5.08/90 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	A

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	15	10

#### CSA C22.2 rated data - LR12400

	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	black	black

#### Pitch 5.08 mm

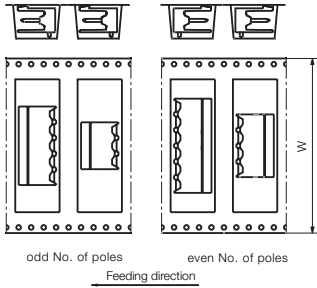
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1774762001	1779950000
3	10.16	(0.400)	100	1774772001	1779960000
4	15.24	(0.600)	100	1774782001	1779970000
5	20.32	(0.800)	50	1774792001	1779980000
6	25.40	(1.000)	50	1774802001	1779990000
7	30.48	(1.200)	50	1774812001	1780000000
8	35.56	(1.400)	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

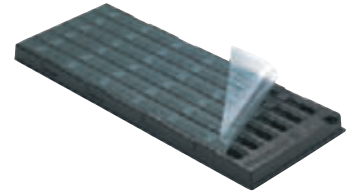


**Floodlight indicator**

See chapter accessories



**TRAY packaging**



In addition to the normal cardboard box packaging and the tape on reel version, on request the SL-SMT male connectors can also be supplied packaged on trays. Filling the trays with connectors with different pole numbers is also possible on request.

The trays comply with the requirements of EN 60286-5 and are made of black, antistatic polystyrene covered with a transparent film.

**Ordering data**

Solder pin length	1.5 mm
Colour	black

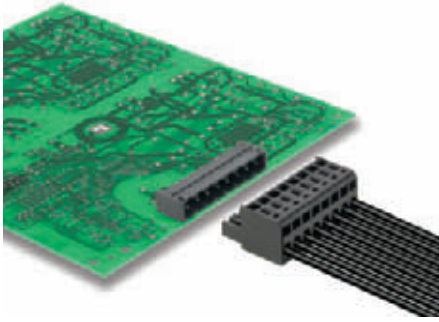
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	250	1821160000	
3	10.16	(0.400)	250	1821170000	
4	15.24	(0.600)	250	1774784001	
5	20.32	(0.800)	250	1774794001	
6	25.40	(1.000)	250	1774804001	
7	30.48	(1.200)	250	1774814001	
8	35.56	(1.400)	250	1774824001	

Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	250	1797620000	
3	10.00	(0.394)	250	1797630000	
4	15.00	(0.591)	250	1797640000	
5	20.00	(0.787)	250	1797650000	
6	25.00	(0.984)	250	1797660000	
7	30.00	(1.181)	250	1797670000	
8	35.00	(1.378)	250	1797680000	

Pitch 5.08 mm: tape width W = 32 mm for max. 3 poles, otherwise 56 mm  
Pitch 5.00 mm: tape width W = 56 mm

## Male connectors with THR solder connection

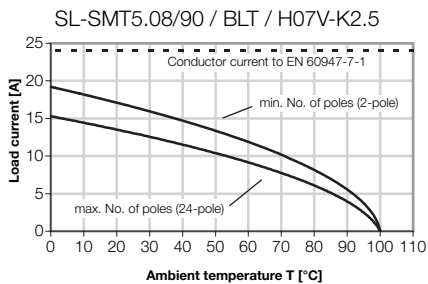
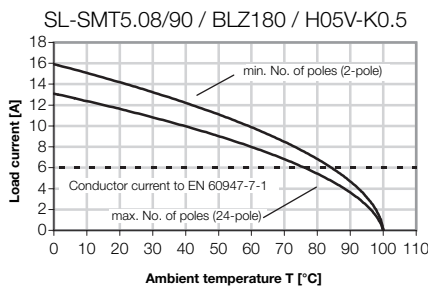
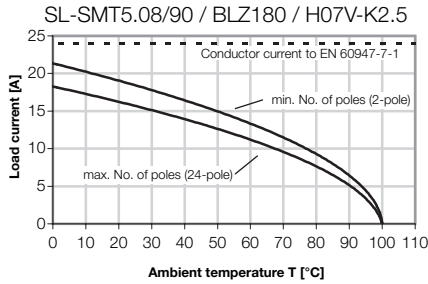
### SL-SMT 5.08/90G SL-SMT 5.00/90G



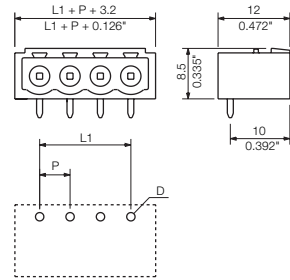
High-temperature-resistant, 90° angled, closed end male connector. Packed in box or tape on reel. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1.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

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

### Derating curve



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



## 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	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 - E60693

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

#### CSA C22.2 rated data - LR12400 B

	B	C	D
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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	black	black

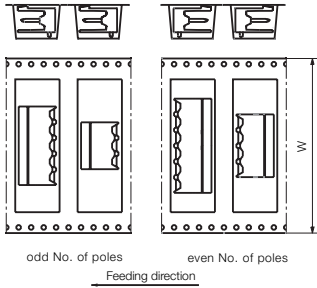
#### Pitch 5.08 mm

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**



**Ordering data**

Solder pin length	1.5 mm
Colour	black

Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	250	1821140000	
3	10.16	(0.400)	250	1775014001	
4	15.24	(0.600)	250	1775024001	
5	20.32	(0.800)	250	1775034001	
6	25.40	(1.000)	250	1775044001	
7	30.48	(1.200)	250	1775054001	

Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	250	1797690000	
3	10.00	(0.394)	250	1797700000	
4	15.00	(0.591)	250	1797710000	
5	20.00	(0.787)	250	1797720000	
6	25.00	(0.984)	250	1797730000	
7	30.00	(1.181)	250	1797740000	

Pitch 5.08 mm: tape width W = 32 mm for 2 poles, otherwise 56 mm  
Pitch 5.00 mm: tape width W = 56 mm

**Accessories**

**Possible colors**

Additional colours on request



**Coding**

See chapter accessories



**Marking strips**

See chapter accessories



**Compartment partition element**

See chapter accessories

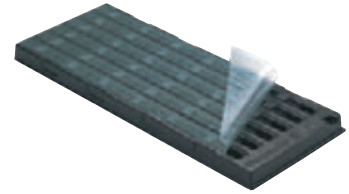


**Floodlight indicator**

See chapter accessories



**TRAY packaging**



In addition to the normal cardboard box packaging and the tape on reel version, on request the SL-SMT male connectors can also be supplied packaged on trays. Filling the trays with connectors with different pole numbers is also possible on request.

The trays comply with the requirements of EN 60286-5 and are made of black, antistatic polystyrene covered with a transparent film.

## Male connectors with THR solder connection

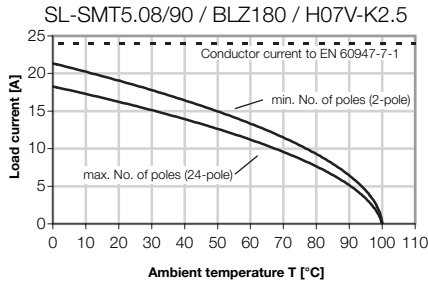
### SL-SMT 5.08/90F SL-SMT 5.00/90F



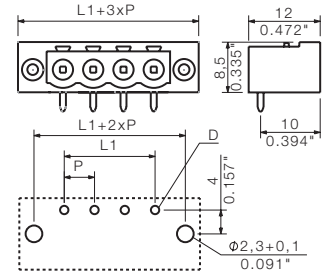
High-temperature-resistant, 90° angled, male connector with flange. Packed in box. 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors can be labelled and coded.

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

### Derating curve



### SL-SMT 5.08/90F Box



## 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
	19	16

#### Overtoltage 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 - E60693

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

#### CSA C22.2 rated data - LR12400

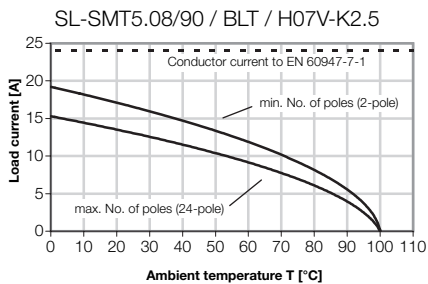
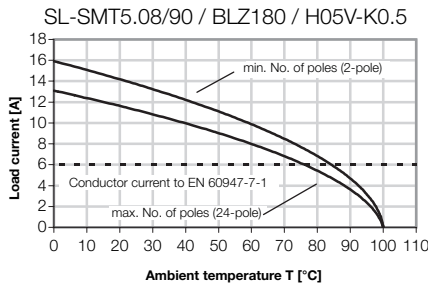
	B	C	D
Rated voltage	V	300	300
Rated current	A	15	10

#### 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	black

#### Pitch 5.08 mm

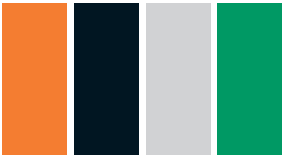
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100		1837630000
3	10.16	(0.400)	100		1837640000
4	15.24	(0.600)	100		1837650000
5	20.32	(0.800)	50		1837660000
6	25.40	(1.000)	50		1837670000
7	30.48	(1.200)	50		1837680000
8	35.56	(1.400)	50		1837690000
9	40.64	(1.600)	50		1837700000
10	45.72	(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

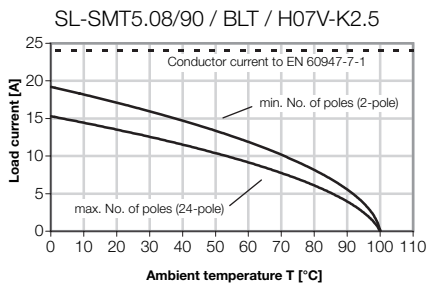
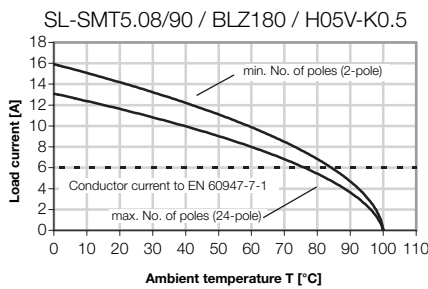
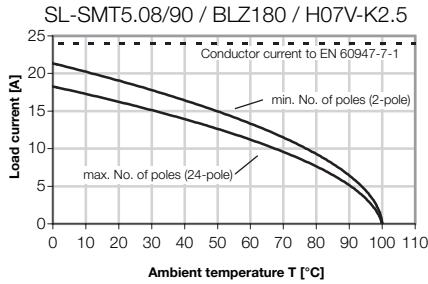
### SL-SMT 5.08/90LF SL-SMT 5.00/90LF



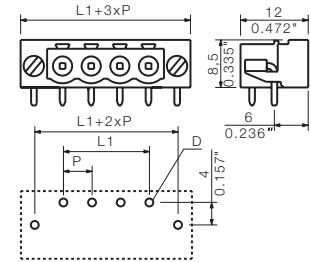
High-temperature-resistant, 90° angled, male connector with solder flange. Packed in box or tape. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1.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

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

### Derating curve



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



### Ordering data

Solder pin length	1.5 mm	3.2 mm
Colour	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

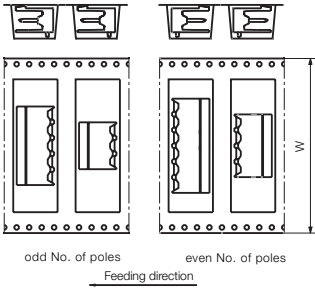
Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1797230000	1840350000
3	10.00	(0.394)	100	1797240000	1840360000
4	15.00	(0.591)	100	1797250000	1840370000
5	20.00	(0.787)	50	1797260000	1840380000
6	40.00	(1.575)	50	1797270000	1840390000
7	30.00	(1.181)	50	1797280000	1840400000
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

### 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			
	A	20°C	40°C
		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 - E60693			
		B	C
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			
CSA C22.2 rated data - LR12400 B			
		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.

**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

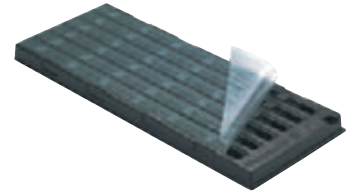


**Floodlight indicator**

See chapter accessories



**TRAY packaging**



In addition to the normal cardboard box packaging and the tape on reel version, on request the SL-SMT male connectors can also be supplied packaged on trays. Filling the trays with connectors with different pole numbers is also possible on request.

The trays comply with the requirements of EN 60286-5 and are made of black, antistatic polystyrene covered with a transparent film.

**Ordering data**

Solder pin length	1.5 mm
Colour	black

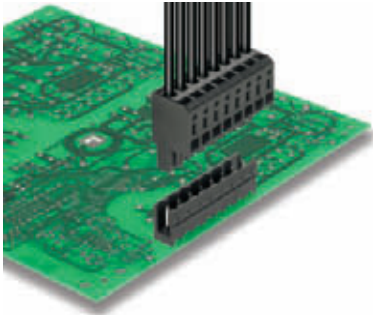
Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	250	1775234001	
3	10.16	(0.400)	250	1775244001	
4	15.24	(0.600)	250	1775254001	
5	20.32	(0.800)	250	1775264001	
6	25.40	(1.000)	250	1775274001	

Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	250	1797750000	
3	10.00	(0.394)	250	1797760000	
4	15.00	(0.591)	250	1797770000	
5	20.00	(0.787)	250	1797780000	
6	25.00	(0.984)	250	1797790000	

Pitch 5.08 mm: tape width W = 56 mm  
Pitch 5.00 mm: tape width W = 56 mm

## Male connectors with THR solder connection

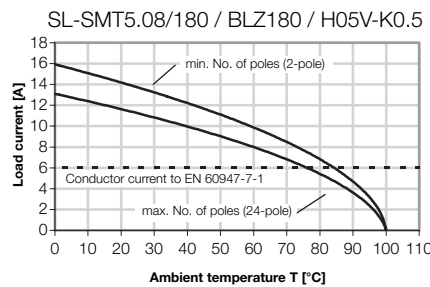
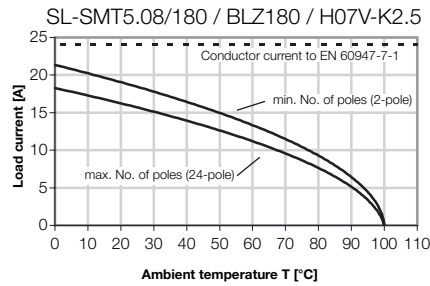
### SL-SMT 5.08/180 SL-SMT 5.00/180



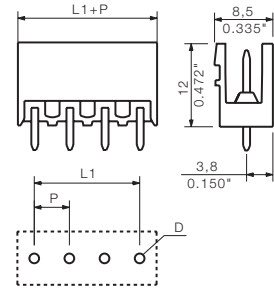
High-temperature-resistant, straight, open ended male connector. Packed in box or tape on reel. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These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

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

### Derating curve



### SL-SMT 5.08/180 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 - E60693

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

#### CSA C22.2 rated data - LR12400

	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	black	black

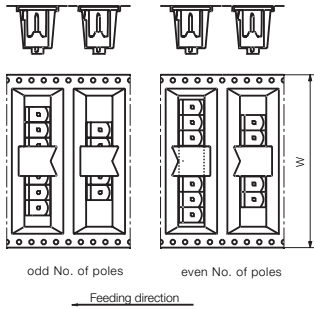
#### Pitch 5.08 mm

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**



**Ordering data**

Solder pin length	1.5 mm
Colour	<b>black</b>

**Pitch 5.08 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	200	<b>1821100000</b>	
3	10.16	(0.400)	265	<b>1821110000</b>	
4	15.24	(0.600)	200	<b>1775594001</b>	
5	20.32	(0.800)	265	<b>1775634001</b>	
6	25.40	(1.000)	265	<b>1775644001</b>	
7	30.48	(1.200)	265	<b>1775654001</b>	
8	35.56	(1.400)	200	<b>1775664001</b>	

**Pitch 5.00 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	200	<b>1797800000</b>	
3	10.00	(0.394)	200	<b>1797810000</b>	
4	15.00	(0.591)	200	<b>1797820000</b>	
5	20.00	(0.787)	200	<b>1797830000</b>	
6	25.00	(0.984)	200	<b>1797840000</b>	
7	30.00	(1.181)	200	<b>1797850000</b>	
8	35.00	(1.378)	200	<b>1797860000</b>	

Pitch 5.08 mm: tape width W = 32 mm for max. 3 poles, otherwise 56 mm  
Pitch 5.00 mm: tape width W = 56 mm

**Accessories**

**Possible colors**

Additional colours on request



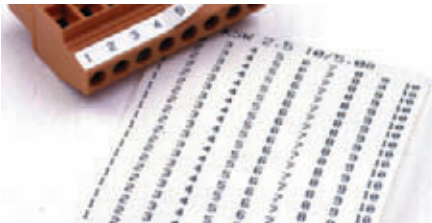
**Coding**

See chapter accessories



**Marking strips**

See chapter accessories

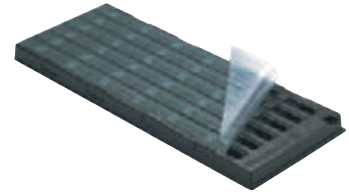


**Compartment partition element**

See chapter accessories



**TRAY packaging**



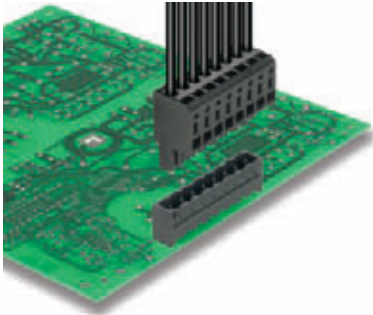
In addition to the normal cardboard box packaging and the tape on reel version, on request the SL-SMT male connectors can also be supplied packaged on trays. Filling the trays with connectors with different pole numbers is also possible on request.

The trays comply with the requirements of EN 60286-5 and are made of black, antistatic polystyrene covered with a transparent film.



## Male connectors with THR solder connection

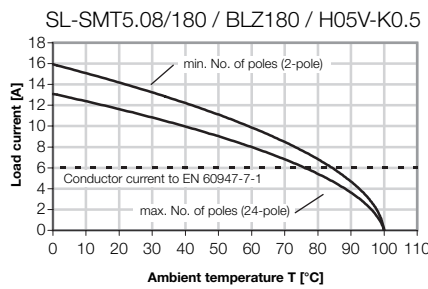
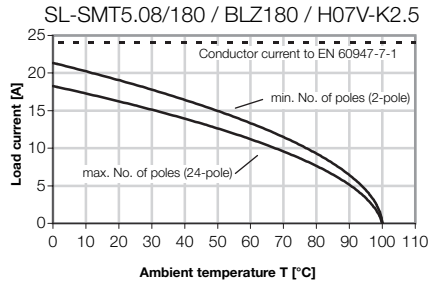
### SL-SMT 5.08/180G SL-SMT 5.00/180G



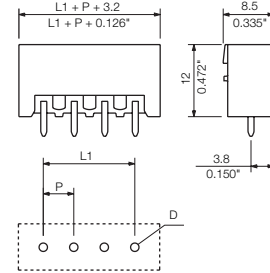
High-temperature-resistant, straight, closed ended. Packed in box or tape on reel. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors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

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

### Derating curve



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



## 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	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 - E60693

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

#### CSA C22.2 rated data - LR12400 B

	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	black	black

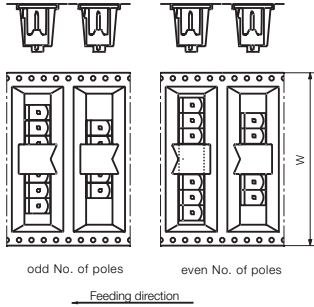
#### Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	100	1775922001	1838210000
3	10.16	(0.400)	100	1775932001	1838220000
4	15.24	(0.600)	100	1775942001	1838230000
5	20.32	(0.800)	50	1775952001	1838240000
6	25.40	(1.000)	50	1775962001	1838250000
7	30.48	(1.200)	50	1775972001	1838260000
8	35.56	(1.400)	50	1775982001	1838270000
9	40.64	(1.600)	50	1775992001	1838280000
10	45.72	(1.800)	50	1776002001	1838290000
11	50.80	(2.000)	50	1776012001	1838300000
12	55.88	(2.200)	50	1776022001	1838310000
13	60.96	(2.400)	50	1776032001	1838320000
14	66.04	(2.600)	50	1776042001	1838330000
15	71.12	(2.800)	50	1776052001	1838340000
16	76.20	(3.000)	50	1776062001	1838350000
17	81.28	(3.200)	20	1776072001	1838360000
18	86.36	(3.400)	20	1776082001	1838370000
19	91.44	(3.600)	20	1776092001	1838380000
20	96.52	(3.800)	20	1776102001	1838390000
21	101.60	(4.000)	20	1776112001	1838400000
22	106.68	(4.200)	20	1776122001	1838410000
23	111.76	(4.400)	20	1776132001	1838420000
24	116.84	(4.600)	20	1776142001	1838430000

#### Pitch 5.00 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	100	1796630000	1841160000
3	10.00	(0.394)	100	1796640000	1841170000
4	15.00	(0.591)	100	1796650000	1841180000
5	20.00	(0.787)	50	1796660000	1841190000
6	25.00	(0.984)	50	1796670000	1841200000
7	30.00	(1.181)	50	1796680000	1841210000
8	35.00	(1.378)	50	1796690000	1841220000
9	40.00	(1.575)	50	1796700000	1841230000
10	45.00	(1.772)	50	1796710000	1841240000
11	50.00	(1.969)	50	1796720000	1841250000
12	55.00	(2.165)	50	1796730000	1841260000
13	60.00	(2.362)	50	1796740000	1841270000
14	65.00	(2.559)	50	1796750000	1841280000
15	70.00	(2.756)	50	1796760000	1841290000
16	75.00	(2.953)	50	1796770000	1841300000
17	80.00	(3.150)	20		1841310000
18	85.00	(3.346)	20		1841320000
19	90.00	(3.543)	20		1841330000
20	95.00	(3.740)	20		1841340000
21	100.00	(3.937)	20		1841350000
22	105.00	(4.134)	20		1841360000
23	110.00	(4.331)	20		1841370000
24	115.00	(4.528)	20		1841380000

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



**Ordering data**

Solder pin length	1.5 mm
Colour	black

Pitch 5.08 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	200	1820170000	
3	10.16	(0.400)	200	1775934001	
4	15.24	(0.600)	200	1775944001	
5	20.32	(0.800)	200	1775954001	
6	25.40	(1.000)	200	1775964001	
7	30.48	(1.200)	200	1775974001	

Pitch 5.00 mm					
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	200	1797870000	
3	10.00	(0.394)	200	1797880000	
4	15.00	(0.591)	200	1797890000	
5	20.00	(0.787)	200	1797900000	
6	25.00	(0.984)	200	1797910000	
7	30.00	(1.181)	200	1797920000	

Pitch 5.08 mm: tape width W = 32 mm for 2 poles, otherwise 56 mm  
Pitch 5.00 mm: tape width W = 56 mm

**Accessories**

**Possible colors**

Additional colours on request



**Coding**

See chapter accessories



**Marking strips**

See chapter accessories

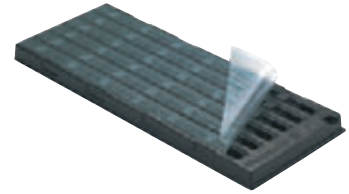


**Compartment partition element**

See chapter accessories



**TRAY packaging**

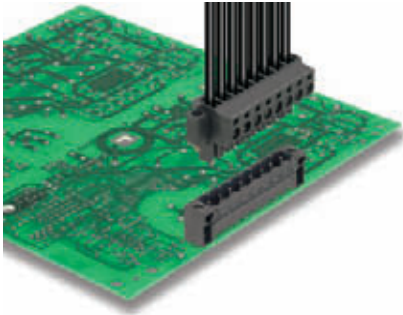


In addition to the normal cardboard box packaging and the tape on reel version, on request the SL-SMT male connectors can also be supplied packaged on trays. Filling the trays with connectors with different pole numbers is also possible on request.

The trays comply with the requirements of EN 60286-5 and are made of black, antistatic polystyrene covered with a transparent film.

## Male connectors with THR solder connection

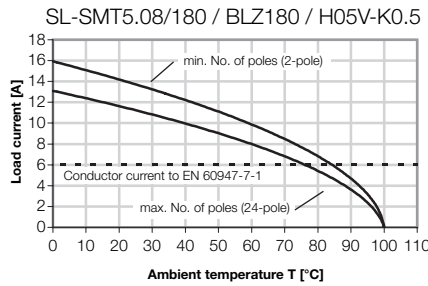
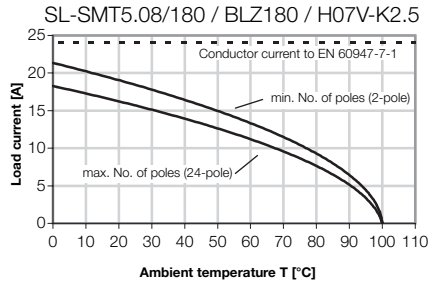
### SL-SMT 5.08/180F SL-SMT 5.00/180F



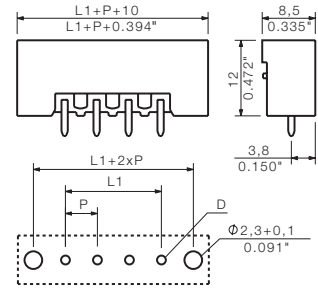
High-temperature-resistant, straight, male connector with flange. Packed in a box or tape on reel. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These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

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

### Derating curve



### SL-SMT 5.08/180F Box



## 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	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 - E60693

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

#### CSA C22.2 rated data - LR12400 B

	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		3.2 mm	
Colour		black	
Pitch 5.08 mm			
Poles	L1 mm (inch)	Qty.	Order No.
2	5.08 (0.200)	100	1837860000
3	10.16 (0.400)	100	1820600000
4	15.24 (0.600)	100	1837870000
5	20.32 (0.800)	50	1820770000
6	25.40 (1.000)	50	1820610000
7	30.48 (1.200)	50	1837880000
8	35.56 (1.400)	50	1820620000
9	40.64 (1.600)	50	1837890000
10	45.72 (1.800)	50	1820780000
11	50.80 (2.000)	50	1837900000
12	55.88 (2.200)	50	1820630000
13	60.96 (2.400)	50	1820790000
14	66.04 (2.600)	50	1820800000
15	71.12 (2.800)	50	1837910000
16	76.20 (3.000)	50	1820640000
17	81.28 (3.200)	20	1837920000
18	86.36 (3.400)	20	1820650000
19	91.44 (3.600)	20	1837930000
20	96.52 (3.800)	20	1820810000
21	101.60 (4.000)	20	1837940000
22	106.68 (4.200)	20	1837950000
23	111.76 (4.400)	20	1837960000
24	116.84 (4.600)	20	1837970000

## Accessories

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### Possible colors

Additional colours on request



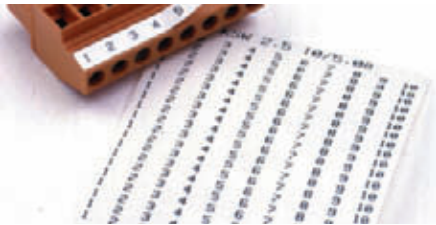
### Coding

See chapter accessories



### Marking strips

See chapter accessories



### Compartment partition element

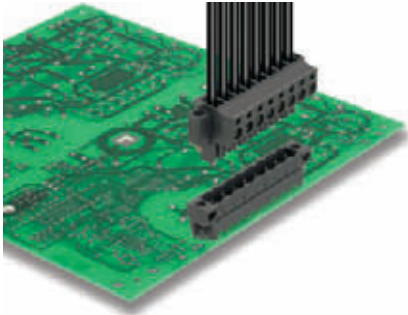
See chapter accessories





## Male connectors with THR solder connection

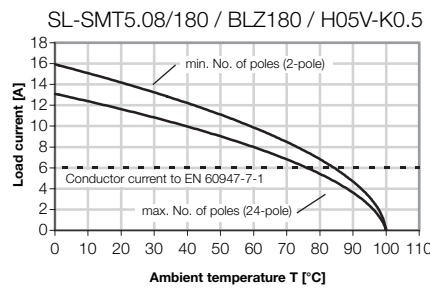
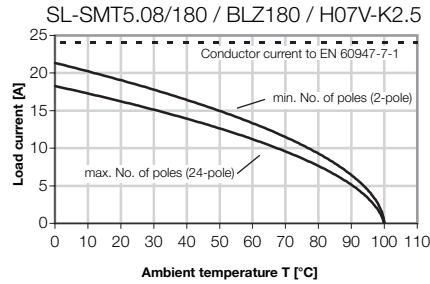
### SL-SMT 5.08/180LF SL-SMT 5.00/180LF



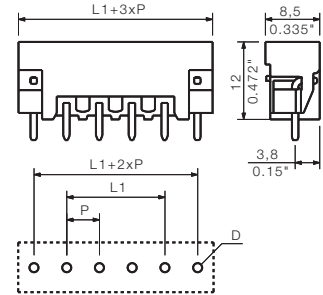
High-temperature-resistant, straight, male connector with solder flange. Packed in a box or tape on reel. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1.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

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

### Derating curve



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



### Ordering data

Solder pin length	1.5 mm	3.2 mm
Colour	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

### 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 - E60693

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

#### CSA C22.2 rated data - LR12400 B

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

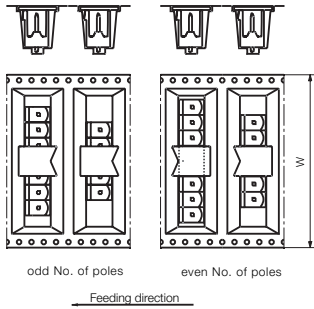
#### Material data

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.

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



**Accessories**

**Possible colors**

Additional colours on request



**Coding**

See chapter accessories

**Ordering data**

Solder pin length	1.5 mm
Colour	black

**Pitch 5.08 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	200	1776364001	
3	10.16	(0.400)	265	1776374001	
4	15.24	(0.600)	265	1776384001	
5	20.32	(0.800)	265	1776394001	
6	25.40	(1.000)	200	1776404001	

**Pitch 5.00 mm**

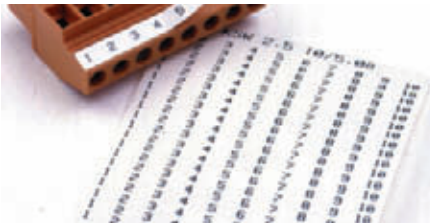
Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.00	(0.197)	200	1797930000	
3	10.00	(0.394)	200	1797940000	
4	15.00	(0.591)	200	1797950000	
5	20.00	(0.787)	200	1797960000	
6	25.00	(0.984)	200	1797970000	

Pitch 5.08 mm: tape width W = 56 mm  
Pitch 5.00 mm: tape width W = 56 mm



**Marking strips**

See chapter accessories



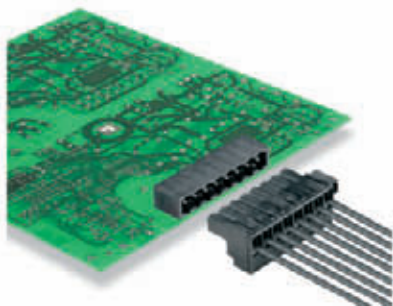
**Compartment partition element**

See chapter accessories



## Male connectors with THR solder connection

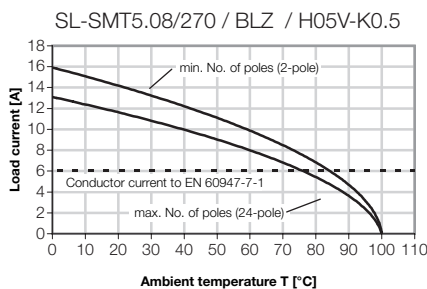
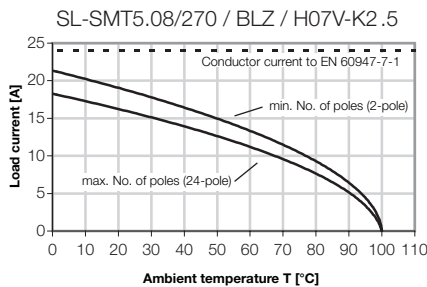
### SL-SMT 5.08/270 GL



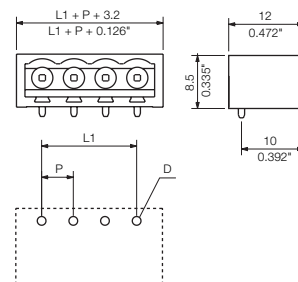
High-temperature-resistant, 270° angled, low, closed ended male connector. Packed in a box or tape on reel. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of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

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

### Derating curve



### SL-SMT 5.08/270 GL Box



### Ordering data

Solder pin length	1.5 mm	3.2 mm		
Colour	black	black		
<b>Pitch 5.08 mm</b>				
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

## F

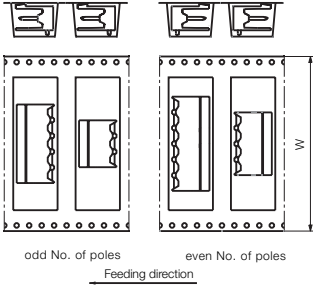
### Technical data

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	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 - E60693		B	C
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			
CSA C22.2 rated data - LR12400 B		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.

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	black	black

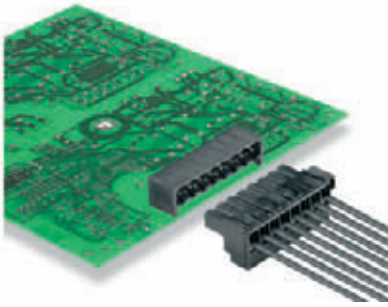
Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	200	1877740000	1877880000
3	10.16	(0.400)	200	1877750000	1877890000
4	15.24	(0.600)	200	1877760000	1877900000
5	20.32	(0.800)	200	1877770000	1877910000
6	25.40	(1.000)	200	1877780000	1877920000
7	30.48	(1.200)	200	1877790000	1877930000
8	35.56	(1.400)	200	1877800000	1877940000



## Male connectors with THR solder connection

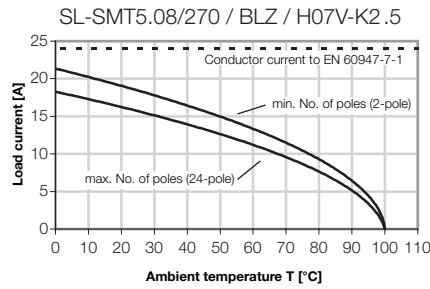
### SL-SMT 5.08/270 GH



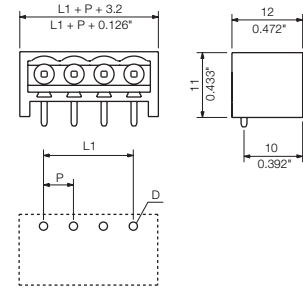
High-temperature-resistant, 270° angled, high, closed ended male connector. Packed in a box or tape on reel. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of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

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

### Derating curve



### SL-SMT 5.08/270 GH Box



## 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	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 - E60693

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

#### CSA C22.2 rated data - LR12400 B

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

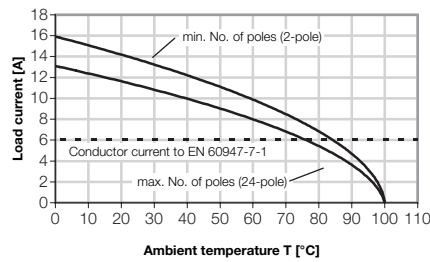
#### Material data

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.

### SL-SMT5.08/270 / BLZ / H05V-K0.5

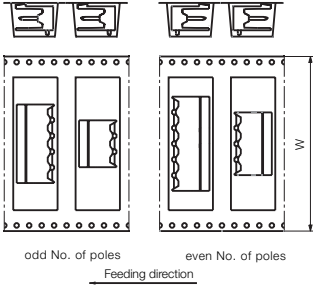


### Ordering data

Solder pin length	1.5 mm	3.2 mm		
Colour	black	black		
<b>Pitch 5.08 mm</b>				
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



Marking strips

See chapter accessories



Compartment partition element

See chapter accessories



Ordering data

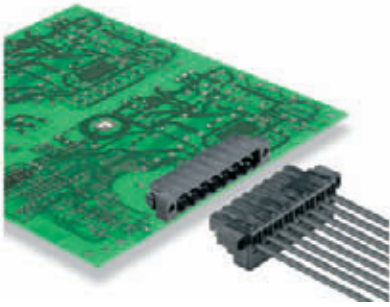
Solder pin length	1.5 mm	3.2 mm
Colour	black	black

Pitch 5.08 mm

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	150	1877560000	1877810000
3	10.16	(0.400)	150	1877600000	1877820000
4	15.24	(0.600)	150	1877610000	1877830000
5	20.32	(0.800)	150	1877620000	1877840000
6	25.40	(1.000)	150	1877630000	1877850000
7	30.48	(1.200)	150	1877640000	1877860000
8	35.56	(1.400)	150	1877650000	1877870000

## Male connectors with THR solder connection

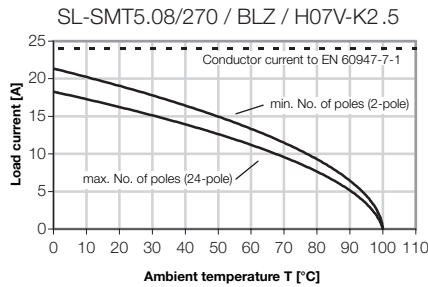
### SL-SMT 5.08/270 FL



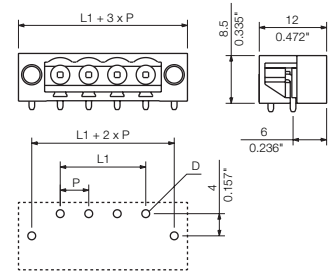
High-temperature-resistant, 270° angled, low male connector with solder flange. Packed in a box or in tape on reel. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements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

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

### Derating curve



### SL-SMT 5.08/270 FL Box

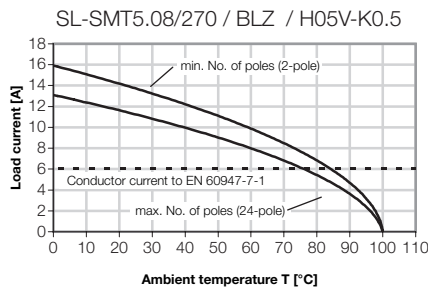


### Technical data

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
Pollution severity		3	2
Rated voltage	V	250	320
Rated impulse voltage	kV	4	4
UL 1059 rated data - E60693		B	C
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			
CSA C22.2 rated data - LR12400 B		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

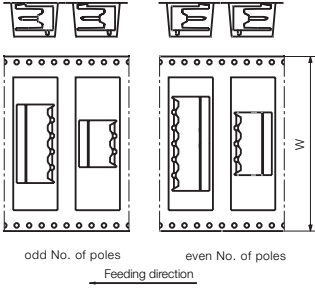
- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section and min. No. of poles.
- Hole diameter D = 1.4+0.1mm
- Hole diameter D = 1.5+0.1mm for 9 poles
- P on drg. = pitch
- Rated data refer only to the component itself. Clearance and creepage 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	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**



odd No. of poles      even No. of poles  
Feeding direction

**Accessories**

**Possible colors**

Additional colours on request



**Coding**

See chapter accessories



**Marking strips**

See chapter accessories



**Compartment partition element**

See chapter accessories



**Ordering data**

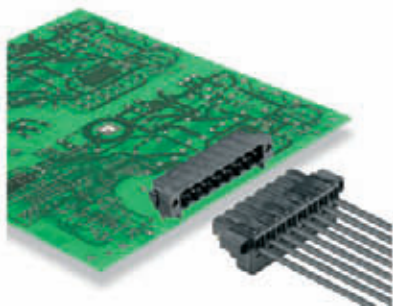
Solder pin length	1.5 mm	3.2 mm
Colour	black	black

**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

## Male connectors with THR solder connection

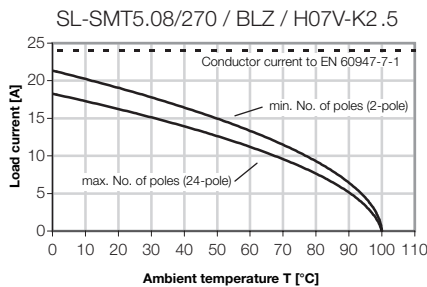
### SL-SMT 5.08/270 FH



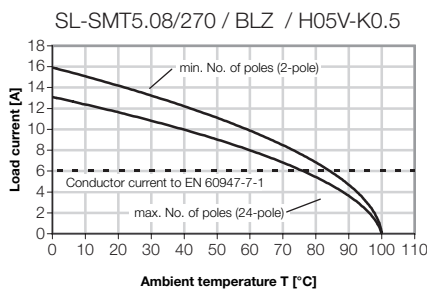
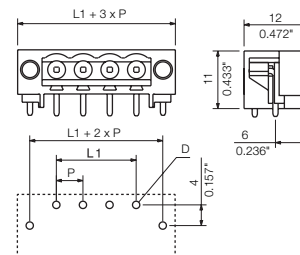
High-temperature-resistant, 270° angled, high level male connector with solder flange. Packed in a box or in tape on reel. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements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

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

### Derating curve



### SL-SMT 5.08/270 FH Box



### Ordering data

Solder pin length	1.5 mm	3.2 mm		
Colour	black	black		
<b>Pitch 5.08 mm</b>				
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

## 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	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 - E60693		B	C	D
Rated voltage	V	300	300	
Rated current	A	15	10	
AWG conductor				
CSA C22.2 rated data - LR12400 B		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		

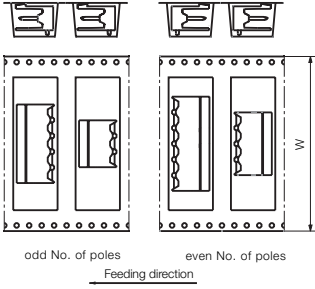
### Information

- 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.



**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	black	black

**Pitch 5.08 mm**

Poles	L1 mm	(inch)	Qty.	Order No.	Order No.
2	5.08	(0.200)	150	1876920000	1876840000
3	10.16	(0.400)	150	1876930000	1876830000
4	15.24	(0.600)	150	1876940000	1876820000
5	20.32	(0.800)	150	1876950000	1876810000
6	25.40	(1.000)	150	1876960000	1876800000
7	30.48	(1.200)	150	1876970000	1876790000
8	35.56	(1.400)	150	1876980000	1876740000