

Male connectors with THR solder connection

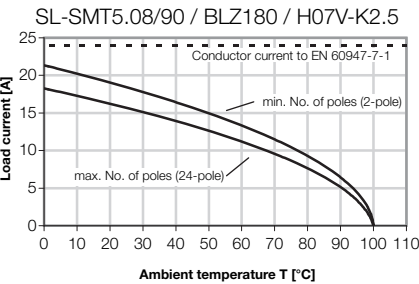
SL-SMT 5.08/90
SL-SMT 5.00/90



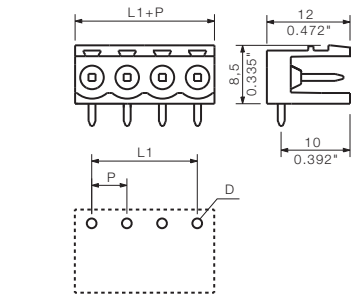
High-temperature-resistant, 90° angled, open male connector. Packed in box or tape. In tape form with 1.5 mm solder pin optimised for automatic assembly; 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These male connectors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

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

Derating curve



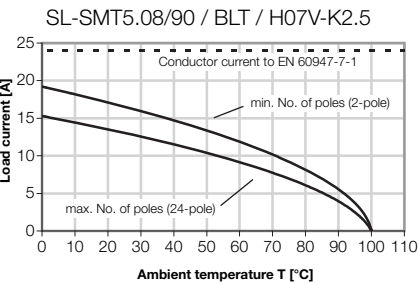
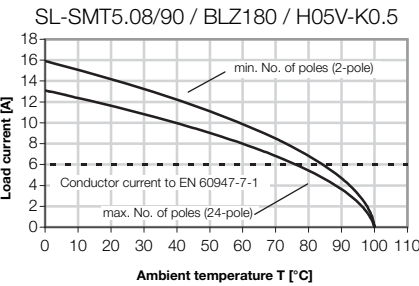
SL-SMT 5.08/90 Box
SL-SMT 5.00/90 Box



Technical data

Rated data to IEC 60664-1 / IEC 61984				
Clamping range, max.	mm ²			
Solid H05(07) V-U	mm ²			
Stranded H07 V-R	mm ²			
Flexible H05(07) V-K	mm ²			
Flexible with ferrule	mm ²			
Ferrule with plastic collar	mm ²			
Stripping length	mm			
Screwdriver blade	mm			
according to norm				
Tightening torque range	Nm			
Rated current at ambient temperature		20°C	40°C	
	A	19	16	
Overvoltage category		III	III	II
Pollution severity		3	2	2
Rated voltage	V	250	320	400
Rated impulse voltage	kV	4	4	4
UL 1059 rated data		B	C	D
Nominal voltage	V	300	300	300
Rated current	A	15	10	10
AWG conductor				
CSA C22.2 rated data		B	C	D
Rated voltage	V	300	300	300
Rated current	A	15	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
 - 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	1839890000
3	10.00	(0.394)	100	1796940000	1839900000
4	15.00	(0.591)	100	1796950000	1839910000
5	20.00	(0.787)	50	1796960000	1839920000
6	25.00	(0.984)	50	1796970000	1839930000
7	30.00	(1.181)	50	1796980000	1839940000
8	35.00	(1.378)	50	1796990000	1839950000
9	40.00	(1.575)	50	1797000000	1839960000
10	45.00	(1.772)	50	1797010000	1839970000
11	50.00	(1.969)	50	1797020000	1839980000
12	55.00	(2.165)	50	1797030000	1839990000
13	60.00	(2.362)	50	1797040000	1840000000
14	65.00	(2.559)	50	1797050000	1840010000
15	70.00	(2.756)	50	1797060000	1840020000
16	75.00	(2.953)	50	1797070000	1840030000
17	80.00	(3.150)	20		1840040000
18	85.00	(3.346)	20		1840050000
19	90.00	(3.543)	20		1840060000
20	95.00	(3.740)	20		1840070000
21	100.00	(3.937)	20		1840080000
22	105.00	(4.134)	20		1840090000
23	110.00	(4.331)	20		1840100000
24	115.00	(4.528)	20		1840110000