

Male connectors with THR solder connection

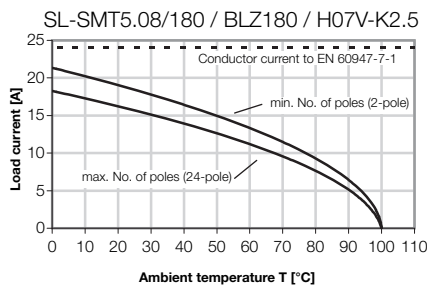
SL-SMT 5.08/180 SL-SMT 5.00/180



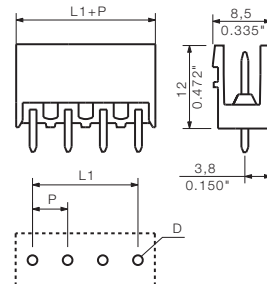
High-temperature-resistant, straight, open ended male connector. Packed in box or tape on reel. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. Stable up to 290°C (2 x 30 s), which exceeds the requirements of EN 61760-1. These 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 ²
Solid H05(07) V-U	mm ²
Stranded H07 V-R	mm ²
Flexible H05(07) V-K	mm ²
Flexible with ferrule	mm ²
Ferrule with plastic collar	mm ²
Stripping length	mm
Screwdriver blade	mm
according to norm	
Tightening torque range	Nm

Rated current at ambient temperature

	20°C	40°C
A	19	16

Overvoltage category Pollution severity

	III	III	II
	3	2	2

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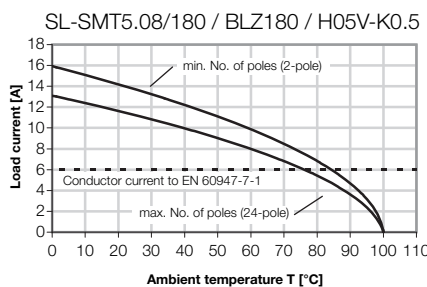
Rated voltage	V	300	300
Rated current	A	15	10
AWG conductor			

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	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