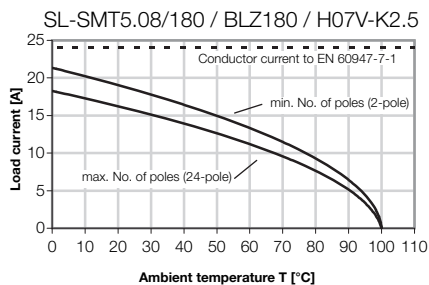
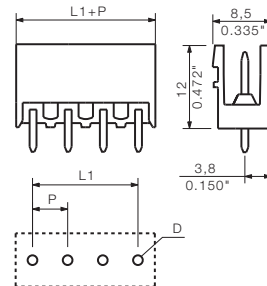


**SL-SMT 5.08/180**  
**SL-SMT 5.00/180**


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 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 | 15  | 10  |
| AWG conductor   |   |     |     |

## CSA C22.2 rated data

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

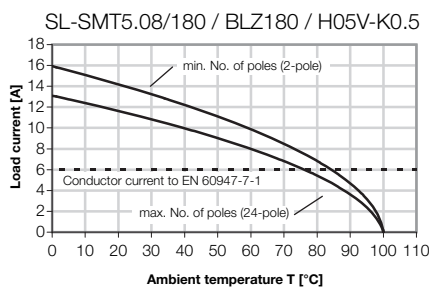
|               |   |     |     |
|---------------|---|-----|-----|
| Rated voltage | V | 300 | 300 |
| Rated current | A | 15  | 10  |
| AWG conductor |   |     |     |

## 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 |