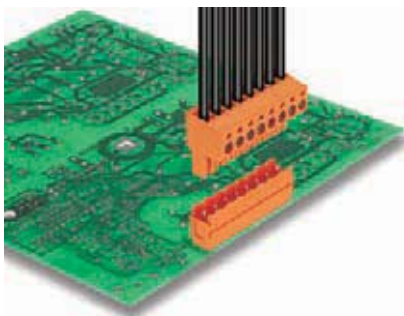


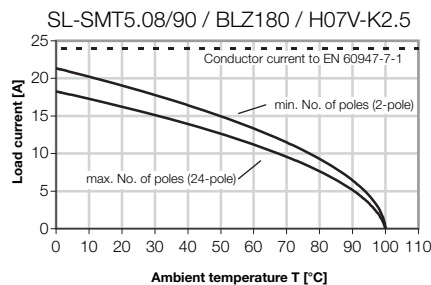
## BLZ 5.08/180 BLZ 5.00/180



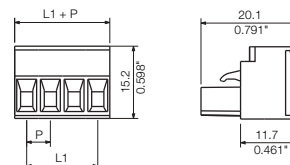
Socket connectors with clamping yoke screw connection for conductor connection with straight 180° outlet direction. The socket connectors provide space for labelling and can be coded. Packaged in cardboard box.

- 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 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   |   | 26-12 |     |

### CSA C22.2 rated data

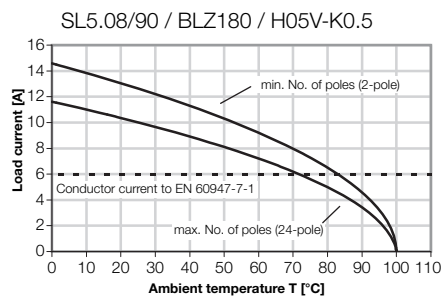
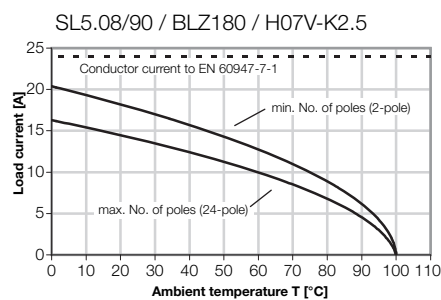
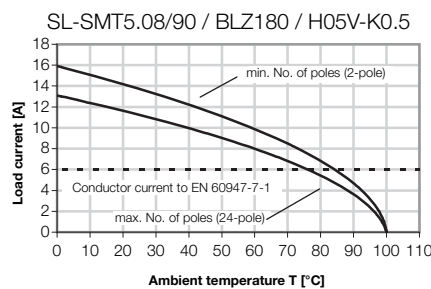
|               | B | C     | D   |
|---------------|---|-------|-----|
| Rated voltage | V | 300   | 300 |
| Rated current | A | 15    | 10  |
| AWG conductor |   | 26-12 |     |

### 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

### 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 |