# OMNIMATE Signal - series BL/SL 5.00
# SL-SMT 5.00/09/180 3.2SN BK BX

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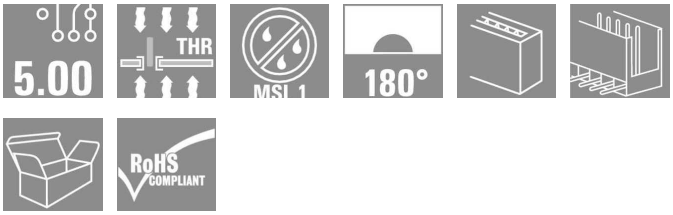


High-temperature-resistant, straight, open ended male header. Packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

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

## General ordering data

| | |
|---|---|
| Type | SL-SMT 5.00/09/180 3.2SN BK BX |
| Order No. | 1840990000 |
| Version | PCB plug-in connector, male header, open side, Reflow solder connection, 5.00 mm, No. of poles: 9, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box |
| GTIN (EAN) | 4032248351886 |
| Qty. | 50 pc(s). |
| Product data | IEC: 400 V / 19 A<br>UL: 300 V / 15 A |
| Packaging | Box |

Erstellungs-Datum January 15, 2014 12:55:07 PM CET

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## Technische Daten

### Dimensions and weights

| | |
|---|---|
| Net weight | 3.86 g |

### System parameters

| | | | |
|---|---|---|---|
| Product family | OMNIMATE Signal - series BL/SL 5.00 | Mounting onto the PCB | Reflow solder connection |
| Outgoing elbow | 180° | Pitch in mm (P) | 5 mm |
| Pitch in inches (P) | 0.197 inch | No. of poles | 9 |
| Solder pin length (l) | 3.2 mm | Pin dimensions | d = 1.2 mm, Octagonal |
| Can be coded | Yes | Number of solder pins per pole | 1 |
| Solder eyelet hole diameter (D) | 1.5 mm | Solder eyelet hole diameter tolerance (D) | + 0,1 mm |
| L1 in mm | 40 mm | L1 in inches | 1.575 inch |
| Insulation resistance | $10^3$ Ω | | |

### Material data

| | | | |
|---|---|---|---|
| Insulating material | LCP GF | Colour | Black |
| Insulating material group | IIIa | UL 94 flammability rating | V-0 |
| CTI | ≥ 175 | Contact material | CuSn |
| Contact surface | tinned | Max. relative humidity during storage | 80 % |

### DIN IEC rating data

| | | | |
|---|---|---|---|
| Rated current, min. no. of poles (TU=20°C) | 19 A | Rated current, max. no. of poles (Tu=20°C) | 15 A |
| Rated current, number of poles (Tu=40°C), min | 16 A | Rated current, number of poles (Tu=40°C), max. | 13 A |
| Rated voltage for surge voltage class pollution degree III/3 | 250 V | Rated impulse voltage for surge voltage classcontamination degree III/3 | 4 kV |
| Rated voltage for surge voltage class pollution degree III/2 | 320 V | Rated impulse voltage for surge voltage classpollution degree III/2 | 4 kV |
| Rated voltage for surge voltage class pollution degree II/2 | 400 V | Rated impulse voltage for surge voltage classpollution degree II/2 | 4 kV |

### CSA rating data

| | | | |
|---|---|---|---|
| Institute (CSA) | | Rated voltage (Use group B) | 300 V |
| Rated current (use group B) | 15 A | Rated voltage (use group D) | 300 V |
| Rated current (use group D) | 10 A | | |

### UL 1059 rating data

| | | | |
|---|---|---|---|
| Institute (UR) | | Rated voltage (use group B) | 300 V |
| Rated current (use group B) | 15 A | Rated voltage (use group D) | 300 V |
| Rated current (use group D) | 10 A | | |

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## Technische Daten

### Classifications

| | | | |
|---|---|---|---|
| ETIM 3.0 | EC001284 | UNSPSC | 30-21-18-10 |
| eClass 5.1 | 27-26-07-04 | eClass 6.2 | 27-26-07-04 |
| eClass 7.1 | 27-44-04-02 | | |

### Notes

Notes

- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Diameter of solder eyelet D = 1.4+0.1mm
- Solder eyelet diameter D = 1.5 + 0.1 mm, from 9 poles
- P on drawing = 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.

### Approvals

Approvals

ROHS: Conform

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## Zeichnungen

