# OMNIMATE Signal - series BL/SL 5.08
# SL 5.08HC/20/90F 3.2SN OR BX

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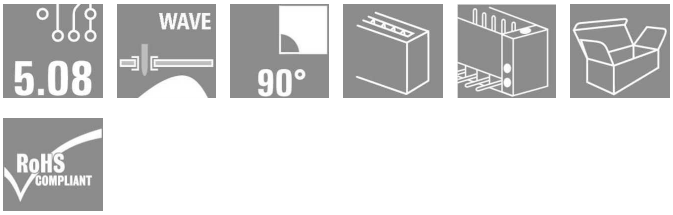


Male headers made from glass fibre-reinforced plastic with 90° wire outlet; optimised for wave soldering. The flange variant (F) can be screwed onto the mating connector or the circuit board. There is no need for an extra screw connecting the circuit board when the solder flange (LF) version is used. This also protects the solder points from mechanical strain. The male headers can be manually coded or ordered as pre-coded headers.

## General ordering data

| | |
|---|---|
| Type | SL 5.08HC/20/90F 3.2SN OR BX |
| Order No. | 1149210000 |
| Version | PCB plug-in connector, male header, Flange, Solder connection, 5.08 mm, No. of poles: 20, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box |
| GTIN (EAN) | 4032248936427 |
| Qty. | 20 pc(s). |
| Product data | IEC: 400 V / 24 A<br>UL: 300 V / 15 A |
| Packaging | Box |

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## Technische Daten

### Dimensions and weights

| | |
|---|---|
| Net weight | 7.964 g |

### System parameters

| | | | |
|---|---|---|---|
| Product family | OMNIMATE Signal - series BL/SL 5.08 | Mounting onto the PCB | Solder connection |
| Outgoing elbow | 90° | Pitch in mm (P) | 5.08 mm |
| Pitch in inches (P) | 0.2 inch | No. of poles | 20 |
| 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) | 1.3 mm | Solder eyelet hole diameter tolerance (D) | + 0,1 mm |
| L1 in mm | 96.52 mm | L1 in inches | 3.8 inch |

### Material data

| | | | |
|---|---|---|---|
| Insulating material | PA GF | Colour | Orange |
| Insulating material group | II | UL 94 flammability rating | V-0 |
| CTI | ≥ 550 | Contact material | Cu-Leg |
| Contact surface | tinned | | |

### DIN IEC rating data

| | | | |
|---|---|---|---|
| Rated current, min. no. of poles (TU=20°C) | 24 A | Rated current, max. no. of poles (Tu=20°C) | 19 A |
| Rated current, number of poles (Tu=40°C), min | 21 A | Rated current, number of poles (Tu=40°C), max. | 16.5 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

| | | | |
|---|---|---|---|
| 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

| | | | |
|---|---|---|---|
| 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 |

### Classifications

| | | | |
|---|---|---|---|
| eClass 6.2 | 27-26-07-04 | eClass 7.1 | 27-44-04-02 |

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### Notes

| | |
|---|---|
| Notes | • Additional colours on request<br>• Gold-plated contact surfaces on request<br>• Rated current related to rated cross-section & min. No. of poles.<br>• P on drawing = pitch<br>• 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

