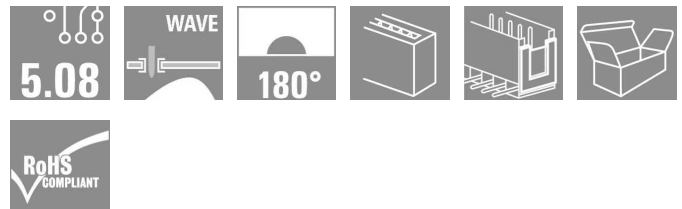


OMNIMATE Signal - series BL/SL 5.08 SL 5.08/08/180B 3.2SN OR BX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



Male connectors with straight outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

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

General ordering data

| | |
|----------------------|--|
| Type | SL 5.08/08/180B 3.2SN OR BX |
| Order No. | 1520160000 |
| Version | PCB plug-in connector, male header, Dovetails for fixing blocks, Solder connection, 5.08 mm, No. of poles: 8, Solder pin length (l): 3.2 mm, tinned, Orange, Box |
| GTIN (EAN) | 4008190136741 |
| Qty. | 50 pc(s). |
| Product data | IEC: 400 V / 18 A UL: 300 V / 15 A |
| Packaging | Box |
| Product life cycle | This article will no longer be available in the future. |
| Discontinuation date | 2017-12-31T00:00:00+01:00 |

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Technische Daten

Dimensions and weights

Net weight 2.51 g

System parameters

| Product family | | Mounting onto the PCB | |
|--|-----------------------|--|---------------------------------|
| OMNIMATE Signal - series BL/SL 5.08 | | Solder connection | |
| Pitch in mm (P) | 5.08 mm | Pitch in inches (P) | 0.2 inch |
| No. of poles | 8 | 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 | 35.56 mm |
| L1 in inches | 1.4 inch | Insulation resistance | > 10 ⁶ mΩ |
| Touch-safe protection acc. to DIN VDE 0470 | IP20 plugged | Touch-safe protection acc. to DIN VDE 57 106 | Safe from finger touch, plugged |


Material data

| Insulating material | | Colour | |
|---------------------------|--------|---------------------------------------|------|
| PBT | | Orange | |
| Insulating material group | IIIa | UL 94 flammability rating | V-0 |
| CTI | ≥ 200 | 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) | | Rated current, max. no. of poles (Tu=20°C) | |
|--|-------------------|---|------|
| 18 A | | 14.5 A | |
| Rated current, number of poles (Tu=40°C), min | 15 A | Rated current, number of poles (Tu=40°C), max. | 12 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 |
| Short-time withstand current resistance | 3 x 1s with 120 A | | |

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
- Additional colours on request
 - Gold-plated contact surfaces on request
 - Rated current related to rated cross-section & min. No. of 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

Datenblatt**OMNIMATE Signal - series BL/SL 5.08
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Zeichnungen