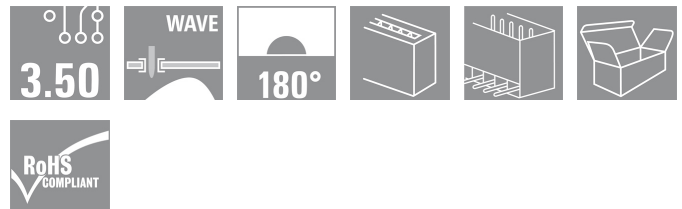


BL/SL 3.50 series
SL 3.50/06/180G 3.2SN OR BX

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 connector with 3.50 mm pitch for wave soldering
 The male connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in cardboard box.

- 250 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

General ordering data

| | |
|--------------|--|
| Order No. | 1604510000 |
| Type | SL 3.50/06/180G 3.2SN OR BX |
| Version | PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 6, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box |
| GTIN (EAN) | 4008190159559 |
| Qty. | 50 pc(s). |
| Product data | IEC: 320 V / 17 A UL: 300 V / 10 A |
| Packaging | Box |

Creation date November 12, 2012 10:17:52 AM CET

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Technical data**Dimensions and weights**

| | |
|------------|--------|
| Net weight | 1.51 g |
|------------|--------|

System parameters

| | | | |
|---|-------------------|--|------------------------------|
| Product family | BL/SL 3.50 series | Mounting onto the PCB | Solder connection |
| Outgoing elbow | 180° | Pitch in mm (P) | 3.5 mm |
| Pitch in inches (P) | 0.138 inch | No. of poles | 6 |
| Solder pin length (l) | 3.2 mm | Pin dimensions | d = 1.2 mm, Octagonal |
| Can be coded | Yes | Number of rows | 1 |
| 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 | 17.5 mm |
| L1 in inches | 0.689 inch | Insulation resistance | 10 ³ Ω |
| Touch-safe protection acc. to DIN VDE 0470 | IP 10 | Touch-safe protection acc. to DIN VDE 57 106 | Safe from back-of-hand touch |


Material data

| | | | |
|----------------------------------|--------|---------------------------------------|--------|
| Insulating material | PBT | Colour | Orange |
| Insulating material group | IIIa | UL 94 flammability rating | V-0 |
| CTI | ≥ 200 | Contact material | CuSn |
| Contact surface | tinned | Continuous operating temp., min. | -25 °C |
| Continuous operating temp., max. | 100 °C | Max. relative humidity during storage | 80 % |


DIN IEC rating data

| | | | |
|--|-------------------|---|--------|
| Rated current, min. no. of poles (Tu=20°C) | 17 A | Rated current, max. no. of poles (Tu=20°C) | 12 A |
| Rated current, number of poles (Tu=40°C), min | 14.5 A | Rated current, number of poles (Tu=40°C), max. | 10 A |
| Rated voltage for surge voltage class / pollution degree III/3 | 160 V | Rated impulse voltage for surge voltage class/ contamination degree III/3 | 2.5 kV |
| Rated voltage for surge voltage class / pollution degree III/2 | 160 V | Rated impulse voltage for surge voltage class/ pollution degree III/2 | 2.5 kV |
| Rated voltage for surge voltage class / pollution degree II/2 | 320 V | Rated impulse voltage for surge voltage class/ pollution degree II/2 | 2.5 kV |
| Short-time withstand current resistance | 3 x 1s with 100 A | | |

CSA rating data

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

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Technical data
Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC001284 | UNSPSC | 30-21-18-10 |
| eClass 4.1 | 27-26-07-01 | eClass 5.1 | 27-26-07-04 |
| eClass 6.0 | 27-26-07-04 | eClass 7.0 | 27-44-04-02 |

Notes

- Notes
- Other colours on request
 - Gold-plated contact surfaces on request
 - Rated current related to rated cross-section and min. No. of poles.
 - Specifications of diagram P = 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


Downloads

 CAD Library (P-CAD Format - ASCII) [SLLIA](#)

 CAD Library (P-CAD Format - Standard) [SLLIB](#)
[3-D model](#)

Data sheet...

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Drawings

