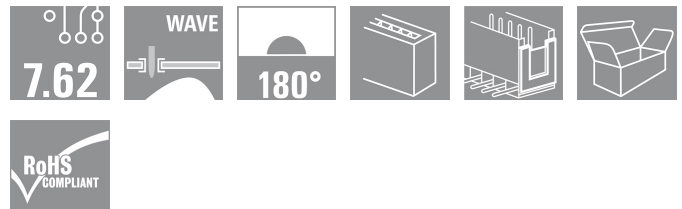


BL/SL 7.62 series
SL 7.62/02/180B 3.2 SN OR BX

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.

- 800 V (IEC) / 300 V (UL)
- 18.5 A (IEC) / 15 A (UL)

General ordering data

| | |
|--------------|--|
| Order No. | 1625250000 |
| Type | SL 7.62/02/180B 3.2 SN OR BX |
| Version | PCB plug-in connector, male header, Dovetails for fixing blocks, Solder connection, 7.62 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box |
| GTIN (EAN) | 4008190196301 |
| Qty. | 100 pc(s). |
| Product data | IEC: 800 V / 18.5 A UL: 300 V / 15 A |
| Packaging | Box |

Creation date November 12, 2012 10:40:19 AM CET

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Technical data
Dimensions and weights

Net weight 0.86 g

System parameters

| | | | |
|---------------------------------|-------------------|--|---------------------------------|
| Product family | BL/SL 7.62 series | Mounting onto the PCB | Solder connection |
| Outgoing elbow | 180° | Pitch in mm (P) | 7.62 mm |
| Pitch in inches (P) | 0.3 inch | No. of poles | 2 |
| Solder pin length (l) | 3.2 mm | 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 | 7.62 mm | L1 in inches | 0.3 inch |
| Insulation resistance | 10 ³ Ω | Touch-safe protection acc. to DIN VDE 57 106 | Safe from finger touch, plugged |


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) | 18.5 A | Rated current, max. no. of poles (Tu=20°C) | 17 A |
| Rated current, number of poles (Tu=40°C), min | 16 A | Rated current, number of poles (Tu=40°C), max. | 14.5 A |
| Rated voltage for surge voltage class / pollution degree III/3 | 500 V | Rated impulse voltage for surge voltage class/ contamination degree III/3 | 6 kV |
| Rated voltage for surge voltage class / pollution degree III/2 | 630 V | Rated impulse voltage for surge voltage class/ pollution degree III/2 | 6 kV |
| Rated voltage for surge voltage class / pollution degree II/2 | 800 V | Rated impulse voltage for surge voltage class/ pollution degree II/2 | 6 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 | | |

Data sheet...

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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.
 - Rated voltage for 7.62 mm pitch: $U/2 = 1000 \text{ V} / 6 \text{ kV}$
 - 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](#)

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Drawings