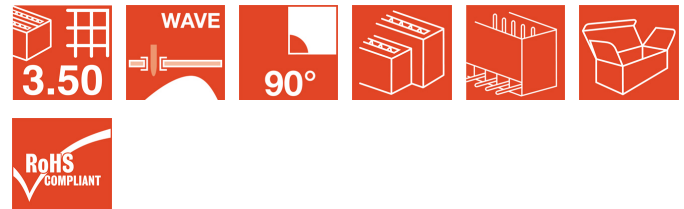


B2L/S2L 3.50 - 2-row series
S2L 3.50/24/90G 3.5SN OR BX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-2083
 www.weidmueller.com



Angled, two-tier pin header available as closed-sided or with flange (open-sided pin headers on request). Pin headers with 3.5mm pins are designed for wave soldering and are packaged in a box. They can be screwed on to the PCB. The pin headers provide space for labelling and can be coded.

- 80 V (IEC) / 150 V (UL)
- 9 A (IEC) / 8 A (UL)

General ordering data

| | |
|--------------|--|
| Order No. | 1727920000 |
| Type | S2L 3.50/24/90G 3.5SN OR BX |
| Version | PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 24, 90°, Solder pin length (l): 3.5 mm, tinned, Orange, Box |
| Product data | IEC: 250 V / 10 A UL: 150 V / 10 A |
| GTIN (EAN) | 4032248039418 |
| Qty. | 20 pc(s). |
| Packaging | Box |

Creation date March 13, 2012 10:29:44 AM CET

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Technical data**System parameters**

| | | | |
|--|------------------------------|--|-----------------------|
| Product family | B2L/S2L 3.50 - 2-row series | Mounting onto the PCB | Solder connection |
| Outgoing elbow | 90° | Pitch in mm (P) | 3.5 mm |
| Pitch in inches (P) | 0.138 inch | No. of poles | 24 |
| Solder pin length (l) | 3.5 mm | Pin dimensions | d = 1.0 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 | 38.5 mm |
| L1 in inches | 1.516 inch | 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 | Flammability class UL 94 | V-0 |
| CTI | ≥ 200 | Contact material | Copper alloy |
| Contact surface | tinned | Continuous operating temp., min. | -25 °C |
| Continuous operating temp., max. | 100 °C | Max. relative humidity during storage | 93 % |


DIN IEC rating data

| | | | |
|--|------------------|---|--------|
| Rated current, min. no. of poles (Tu=20°C) | 10 A | Rated current, max. no. of poles (Tu=20°C) | 10 A |
| Rated current, number of poles (Tu=40°C), min | 9 A | Rated current, number of poles (Tu=40°C), max. | 8.5 A |
| Rated voltage for surge voltage class / pollution degree III/3 | 80 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 | 125 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 | 250 V | Rated impulse voltage for surge voltage class/ pollution degree II/2 | 2.5 kV |
| Short-time withstand current resistance | 3 x 1s with 77 A | | |

CSA rating data

| | | | |
|-----------------------------|---|-----------------------------|-------|
| Institute (CSA) |  | Rated voltage (Use group B) | 150 V |
| Rated current (use group B) | 5 A | | |

UL 1059 rating data

| | | | |
|-----------------------------|---|-----------------------------|-------|
| Institute (UR) |  | Rated voltage (use group B) | 150 V |
| Rated current (use group B) | 10 A | Rated voltage (use group C) | 50 V |
| Rated current (use group C) | 10 A | | |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 4.0 | EC002637 | UNSPSC | 30-21-18-10 |
| eClass 4.1 | 27-26-07-01 | eClass 5.1 | 27-26-07-01 |
| eClass 6.0 | 27-26-07-04 | eClass 7.0 | 27-44-04-02 |

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Technical data**Notes**

- Notes
- Additional colours on request
 - Gold-plated contact surfaces on request
 - Spacing between rows: see hole layout
 - Rated current related to rated cross-section and min. No. of poles.
 - P on drg. = 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) [S2L-SMT.LIA](#)CAD Library (P-CAD Format - Standard) [S2L-SMT.LIB](#)[3-D model](#)

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Drawings