

**B2L/S2L 3.50 - 2-row series**  
**S2L 3.50/18/90G 3.5SN OR BX**

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 16

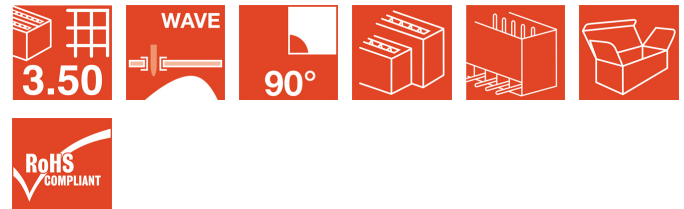
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Angled, two-tier pin header available as closed-sided or with flange (open-sided pin headers on request). Pin headers with 3.5mm pins are designed for wave soldering and are packaged in a box. They can be screwed on to the PCB. The pin headers provide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

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

**General ordering data**

|              |  |
|--------------|--|
| Order No.    | <a href="#">1727890000</a>   |
| Type         | S2L 3.50/18/90G 3.5SN OR BX  |
| Version      | PCB plug-in connector, male header, closed side, Solder connection, 3.50 mm, No. of poles: 18, 90°, Solder pin length (l): 3.5 mm, tinned, Orange, Box |
| Product data | IEC: 250 V / 10 A<br>UL: 150 V / 10 A  |
| GTIN (EAN)   | 4032248039395  |
| Qty.         | 20 pc(s).  |
| Packaging    | Box  |

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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                                     | 18                    |
| 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   | 28 mm                 |
| L1 in inches                                 | 1.102 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**