

## S2C-SMT 3.50/26/180G 3.5SN BK BX

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

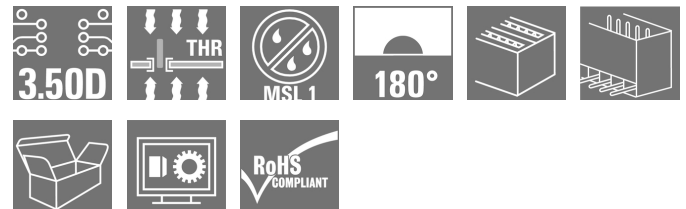
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### Product image



Similar to illustration

### High-temperature-resistant pin header.

- touch-safe
- can be plugged into B2CF 3.50 PUSH IN female plug
- Plug-in direction is perpendicular or parallel to the circuit board (180° / 90°)
- Housing variants: closed (G) and with solder flange (LF)
- Box packaging (BX) or, anti-static, tape-on-reel (RL)
- Suitable for reflow and wave soldering applications
- Pin length of either 1.5 mm or 3.5 mm

### General ordering data

Article - short description PCB plug-in connector, male header, closed side, THT/THR solder connection, 3.50 mm, Number of poles: 26, 180°, Solder pin length: 3.5 mm, tinned, black, Box

|                         |                                  |
|-------------------------|----------------------------------|
| Material number         | <a href="#">1290150000</a>       |
| Short text for material | S2C-SMT 3.50/26/180G 3.5SN BK BX |
| EAN                     | 4050118083828                    |
| Qty.                    | 36 pc(s).                        |

Creation date November 18, 2020 1:34:42 PM CET

Catalogue status 18.11.2020 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

|                          |         |                 |            |
|--------------------------|---------|-----------------|------------|
| Depth                    | 10.8 mm | Depth (inches)  | 0.425 inch |
| Height                   | 17.7 mm | Height (inches) | 0.697 inch |
| Height of lowest version | 14.2 mm | Net weight      | 10 g       |
| Width                    | 46.9 mm | Width (inches)  | 1.846 inch |

**System specifications**

| Product family                               | OMNIMATE Signal - series<br>B2C/S2C 3.50 - 2-row | Type of connection                             | Board connection |
|--|--|--|------------------|
| Mounting onto the PCB                        | THT/THR solder connection                        | Pitch in mm                                    | 3.5 mm           |
| Pitch in inches                              | 0.138 inch                                       | Outgoing elbow                                 | 180°             |
| Number of poles                              | 26   | Number of solder pins per pole                 | 1                |
| Solder pin length                            | 3.5 mm   | Solder pin length tolerance                    | 0 / -0.3 mm      |
| Solder pin dimensions                        | d = 1.0 mm, Octagonal                            | Solder pin dimensions = d tolerance            | +0,01 / -0,03 mm |
| Diameter of solder eyelet                    | 1.4 mm   | Tolerance of the diameter of the solder eyelet | + 0,1 mm         |
| Outside diameter of solder pad               | 2.1 mm   | Template aperture diameter                     | 1.9 mm           |
| L1 in mm                                     | 42 mm  | L1 in inches                                   | 1.654 inch       |
| Number of rows                               | 1  | Pin series quantity                            | 2                |
| Touch-safe protection acc. to DIN VDE 57 106 | Safe from finger touch                           | Touch-safe protection acc. to DIN VDE 0470     | IP 20            |
| Can be coded                                 | Yes  | Plugging cycles                                | 25               |
| Plugging force/pole, max.                    | 3.5 N  | Pulling force/pole, max.                       | 2.5 N            |

**Material data**

|                                       |                                |                                       |                                |
|---------------------------------------|--------------------------------|---------------------------------------|--------------------------------|
| Insulating material                   | LCP GF                         | Colour                                | black                          |
| Colour chart (similar)                | RAL 9011                       | Insulating material group             | IIIb                           |
| Comparative Tracking Index (CTI)      | ≥ 175                          | Insulation strength                   | ≥ 10 <sup>8</sup> Ω            |
| Moisture Level (MSL)                  | 1                              | UL 94 flammability rating             | V-0                            |
| Contact material                      | Copper alloy                   | Contact surface                       | tinned                         |
| Layer structure of solder connection  | 1...3 µm Ni / 2...4 µm Sn matt | Layer structure of plug contact       | 1...3 µm Ni / 2...4 µm Sn matt |
| Storage temperature, min.             | -40 °C                         | Storage temperature, max.             | 70 °C                          |
| Operating temperature, min.           | -50 °C                         | Operating temperature, max.           | 120 °C                         |
| Temperature range, installation, min. | -40 °C                         | Temperature range, installation, max. | 120 °C                         |

**Rated data acc. to IEC**

|   |                        |   |                  |
|---|------------------------|---|------------------|
| tested acc. to standard   | IEC 60664-1, IEC 61984 | Rated current, min. number of poles (Tu=20°C)                         | 13.4 A           |
| Rated current, min. number of poles (Tu=40°C)                             | 12 A                   | Rated voltage for surge voltage class / pollution degree II/2         | 200 V            |
| Rated voltage for surge voltage class / pollution degree III/2            | 160 V                  | Rated voltage for surge voltage class / pollution degree III/3        | 80 V             |
| Rated impulse voltage for surge voltage class/ pollution degree II/2      | 2.5 kV                 | Rated impulse voltage for surge voltage class/ pollution degree III/2 | 2.5 kV           |
| Rated impulse voltage for surge voltage class/ contamination degree III/3 | 2.5 kV                 | Short-time withstand current resistance                               | 3 x 1s with 80 A |

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**Technical data**

**Rated data acc. to CSA**

|                                   |   |                                   |                     |
|-----------------------------------|---|-----------------------------------|---------------------|
| Institute (CSA)                   |  | Certificate No. (CSA)             | www.weidmueller.com |
|                                   |   |                                   | 200039-1121690      |
| Rated voltage (Use group B / CSA) | 150 V   | Rated voltage (Use group C / CSA) | 50 V                |
| Rated voltage (Use group D / CSA) | 150 V   | Rated current (Use group B / CSA) | 9.5 A               |
| Rated current (Use group C / CSA) | 9.5 A   | Rated current (Use group D / CSA) | 9.5 A               |
| Reference to approval values      | Specifications are maximum values, details - see approval certificate.            |                                   |                     |

**Rated data acc. to UL 1059**

|                                       |   |                                       |        |
|---------------------------------------|---|---------------------------------------|--------|
| Institute (cURus)                     |  | Certificate No. (cURus)               | E60693 |
| Rated voltage (Use group B / UL 1059) | 150 V   | Rated voltage (Use group C / UL 1059) | 50 V   |
| Rated current (Use group B / UL 1059) | 10 A  | Rated current (Use group C / UL 1059) | 10 A   |
| Reference to approval values          | Specifications are maximum values, details - see approval certificate.            |                                       |        |

**Packing**

|           |     |            |   |
|-----------|-----|------------|---|
| Packaging | Box | VPE length | 0 |
| VPE width | 0   | VPE height | 0 |

**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002637    | ETIM 7.0    | EC002637    |
| eClass 9.0  | 27-44-04-02 | eClass 9.1  | 27-44-04-02 |
| eClass 10.0 | 27-44-04-02 | eClass 11.0 | 27460201    |

**Approvals**

|                       |                 |
|-----------------------|-----------------|
| Approvals             | CSA; CURUS; EAC |
| ROHS                  | Conform         |
| UL File Number Search | E60693          |

**Data sheet**

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**Technical data**

**Downloads**

|   |   |  |
|---|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">Declaration of the Manufacturer</a>   | <a href="http://www.weidmueller.com">www.weidmueller.com</a> |
| Brochure/Catalogue                          | <a href="#">FL DRIVES EN</a><br><a href="#">MB SMT EN</a><br><a href="#">FL DRIVES DE</a><br><a href="#">MB DEVICE MANUF. EN</a><br><a href="#">CAT 2 PORTFOLIOGUIDE EN</a><br><a href="#">FL BUILDING SAFETY EN</a><br><a href="#">FL APPL LED LIGHTING EN</a><br><a href="#">FLIndustr.CONTROLS EN</a><br><a href="#">FL MACHINE SAFETY EN</a><br><a href="#">FL HEATING ELECTR EN</a><br><a href="#">FL APPL INVERTER EN</a><br><a href="#">FL_BASE_STATION_EN</a><br><a href="#">FL ELEVATOR EN</a><br><a href="#">FL POWER SUPPLY EN</a><br><a href="#">FL 72H SAMPLE SER EN</a><br><a href="#">PO OMNIMATE EN</a> |  |
| Engineering Data                            | <a href="#">STEP</a>  |  |
| Engineering Data                            | <a href="#">EPLAN_WSCAD</a>   |  |

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**Drawings**

**Dimensional drawing**

**Dimensional drawing**

