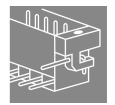
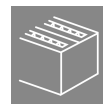
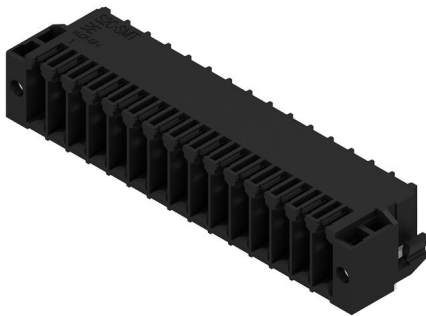


**S2C-SMT 3.50/30/90LF 1.5SN BK TR****Weidmüller Interface GmbH & Co. KG**Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

**Product image**

High-temperature-resistant male header

- Finger-safe
- Can be plugged into female plug B2CF 3.50 PUSH IN
- Plug-in direction is perpendicular or parallel to the circuit board (180° / 90°)
- Housing variants: closed (G) and with solder flange (LF)
- Packed either in a box (BX) or on anti-static tape-on-reel (RL)
- Suitable for reflow and wave soldering applications
- Pin length of either 1.5 mm or 3.2 mm

**General ordering data**

|              |                                                                                                                                                                     |
|--------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version      | PCB plug-in connector, male header, Solder flange, THT/THR solder connection, 3.50 mm, Number of poles: 30, 90°, Solder pin length (l): 1.5 mm, tinned, black, Tray |
| Order No.    | <a href="#">2860530000</a>                                                                                                                                          |
| Type         | S2C-SMT 3.50/30/90LF 1.5SN BK TR                                                                                                                                    |
| GTIN (EAN)   | 4064675575443                                                                                                                                                       |
| Qty.         | 24 items                                                                                                                                                            |
| Product data | IEC: 200 V / 13.4 A<br>UL: 150 V / 9.5 A                                                                                                                            |
| Packaging    | Tray                                                                                                                                                                |

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**Technical data****Approvals**

Approvals



UL File Number Search [UL Website](#)

Certificate No. (cURus) E60693

**Dimensions and weights**

|                          |             |                 |             |
|--------------------------|-------------|-----------------|-------------|
| Depth                    | 14.2 mm     | Depth (inches)  | 0.5591 inch |
| Height                   | 12.3 mm     | Height (inches) | 0.4843 inch |
| Height of lowest version | 10.8 mm     | Width           | 63 mm       |
| Width (inches)           | 2.4803 inch | Net weight      | 10.49 g     |

**Environmental Product Compliance**

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

**System specifications**

|                                              |                                                     |                                            |                              |
|----------------------------------------------|-----------------------------------------------------|--------------------------------------------|------------------------------|
| Product family                               | OMNIMATE Signal - series B2C/S2C 3.50 - 2-row       | Type of connection                         | Board connection             |
| Mounting onto the PCB                        | THT/THR solder connection                           | Pitch in mm (P)                            | 3.50 mm                      |
| Pitch in inches (P)                          | 0.138 "                                             | Outgoing elbow                             | 90°                          |
| Number of poles                              | 30                                                  | Number of solder pins per pole             | 1                            |
| Solder pin length (l)                        | 1.5 mm                                              | Solder pin dimensions                      | d = 1.0 mm, Octagonal        |
| Solder eyelet hole diameter (D)              | 1.4 mm                                              | Solder eyelet hole diameter tolerance (D)+ | 0,1 mm                       |
| Outside diameter of solder pad               | 2.1 mm                                              | Template aperture diameter                 | 1.9 mm                       |
| L1 in mm                                     | 49.00 mm                                            | L1 in inches                               | 1.929 "                      |
| Number of rows                               | 1                                                   | Pin series quantity                        | 2                            |
| Touch-safe protection acc. to DIN VDE 57 106 | finger-safe unplugged/<br>back-of-hand-safe plugged | Touch-safe protection acc. to DIN VDE 0470 | IP20 plugged/ IP10 unplugged |
| Can be coded                                 | Yes                                                 | Plugging force/pole, max.                  | 3.5 N                        |
| Pulling force/pole, max.                     | 3.5 N                                               |                                            |                              |

**Material data**

|                                  |                           |                                      |                                |
|----------------------------------|---------------------------|--------------------------------------|--------------------------------|
| Insulating material              | LCP GF                    | Colour                               | black                          |
| Colour chart (similar)           | RAL 9011                  | Insulating material group            | IIIb                           |
| Comparative Tracking Index (CTI) | ≥ 175                     | Moisture Level (MSL)                 | 1                              |
| UL 94 flammability rating        | V-0                       | Contact material                     | Cu-alloy                       |
| Contact surface                  | tinned                    | Layer structure of solder connection | 1...3 µm Ni / 2...5 µm Sn matt |
| Layer structure of plug contact  | 2...5 µm Sn / 1...3 µm Ni | Storage temperature, min.            | -40 °C                         |
| Storage temperature, max.        | 70 °C                     | Operating temperature, min.          | -50 °C                         |
| Operating temperature, 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  |

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**Technical data**

Rated voltage for surge voltage class / pollution degree III/2 160 V

Rated impulse voltage for surge voltage class/ pollution degree II/2 2.5 kV

Rated impulse voltage for surge voltage class/ contamination degree III/3 2.5 kV

Rated voltage for surge voltage class / pollution degree III/3 80 V

Rated impulse voltage for surge voltage class/ pollution degree III/2 2.5 kV

Short-time withstand current resistance 3 x 1s with 80 A

**Rated data acc. to CSA**

Rated voltage (Use group B / CSA) 150 V

Rated voltage (Use group D / CSA) 150 V

Rated current (Use group C / CSA) 9.5 A

Rated voltage (Use group C / CSA) 50 V

Rated current (Use group B / CSA) 9.5 A

Rated current (Use group D / CSA) 9.5 A

**Rated data acc. to UL 1059**

Institute (cURus) CURUS

Rated voltage (Use group B / UL 1059) 150 V

Rated current (Use group B / UL 1059) 9.5 A

Rated current (Use group D / UL 1059) 9.5 A

Certificate No. (cURus) E60693

Rated voltage (Use group C / UL 1059) 50 V

Rated current (Use group C / UL 1059) 9.5 A

Reference to approval values Specifications are maximum values, details - see approval certificate.

**Packing**

Packaging Tray

VPE width 135.00 mm

VPE length 321.00 mm

VPE height 17.00 mm

**Important note**

IPC conformity

Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.

Notes

- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

**Classifications**

ETIM 8.0 EC002637

ETIM 10.0 EC002637

ECLASS 15.0 27-46-02-01

ETIM 9.0 EC002637

ECLASS 14.0 27-46-02-01

