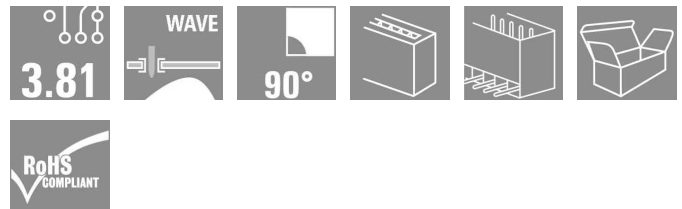


OMNIMATE Signal - series BC/SC 3.81 SC 3.81/04/90G 3.2SN OR BX

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



The SC pin header has a parallel (recumbent) plugging direction in relation to the PCB. It is available in closed (G) and screw flange (F) versions.

Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors. They support a flood-light display and offer space for labelling and coding.

- 320 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

General ordering data

| | |
|--------------|---|
| Type | SC 3.81/04/90G 3.2SN OR BX |
| Order No. | 1942070000 |
| Version | PCB plug-in connector, male header, closed side, Solder connection, 3.81 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box |
| GTIN (EAN) | 4032248655502 |
| Qty. | 50 pc(s). |
| Product data | IEC: 320 V / 17.5 A UL: 300 V / 10 A |
| Packaging | Box |

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Technische Daten

Dimensions and weights

Net weight 1.2 g

System parameters

| | | | |
|--|-------------------------------------|--|-----------------------|
| Product family | OMNIMATE Signal - series BC/SC 3.81 | Mounting onto the PCB | Solder connection |
| Outgoing elbow | 90° | Pitch in mm (P) | 3.81 mm |
| Pitch in inches (P) | 0.15 inch | No. of poles | 4 |
| Solder pin length (l) | 3.2 mm | Pin dimensions | d = 1.0 mm, Octagonal |
| Can be coded | Yes | Number of solder pins per pole | 1 |
| Solder eyelet hole diameter (D) | 1.2 mm | Solder eyelet hole diameter tolerance (D) | + 0.1 mm |
| L1 in mm | 11.43 mm | L1 in inches | 0.45 inch |
| Insulation resistance | 10 ⁶ Ω | Touch-safe protection acc. to DIN VDE 0470 | IP 20 |
| Touch-safe protection acc. to DIN VDE 57 106 | Safe from finger touch | | |

Material data

| | | | |
|---------------------------------------|--------|---------------------------------------|--------|
| Insulating material | PA GF | Colour | Orange |
| Insulating material group | II | UL 94 flammability rating | V-0 |
| CTI | ≥ 550 | Contact material | Cu-Leg |
| Contact surface | tinned | Operating temperature, min. | -50 °C |
| Operating temperature, max. | 120 °C | Temperature range, installation, min. | -25 °C |
| Temperature range, installation, max. | 120 °C | Max. relative humidity during storage | 93 % |

DIN IEC rating data

| | | | |
|--|------------------|--|--------|
| Rated current, min. no. of poles (Tu=20°C) | 17.5 A | Rated current, max. no. of poles (Tu=20°C) | 17.5 A |
| Rated current, number of poles (Tu=40°C), min | 17.5 A | Rated current, number of poles (Tu=40°C), max. | 16.3 A |
| Rated voltage for surge voltage class pollution degree III/3 | 160 V | Rated impulse voltage for surge voltage class pollution degree III/3 | 2.5 kV |
| Rated voltage for surge voltage class pollution degree III/2 | 160 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 | 320 V | Rated impulse voltage for surge voltage class pollution degree II/2 | 2.5 kV |
| Short-time withstand current resistance | 3 x 1s with 76 A | | |

CSA rating data

| | | | |
|-----------------------------|-------|-----------------------------|------|
| Rated voltage (Use group B) | 300 V | Rated current (use group B) | 10 A |
| Rated voltage (use group D) | 300 V | Rated current (use group D) | 10 A |

UL 1059 rating data

| | | | |
|-----------------------------|-------|-----------------------------|------|
| Rated voltage (use group B) | 300 V | Rated current (use group B) | 10 A |
| Rated voltage (use group D) | 300 V | Rated current (use group D) | 10 A |

Classifications

| | | | |
|------------|-------------|------------|-------------|
| UNSPSC | 30-21-18-11 | eClass 5.1 | 27-26-11-02 |
| eClass 6.2 | 27-26-07-04 | eClass 7.1 | 27-44-04-02 |

Datenblatt**OMNIMATE Signal - series BC/SC 3.81
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Technische Daten**Notes**

Notes

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- 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.
- P on drawing = pitch

Approvals

Approvals



ROHS

Conform

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Zeichnungen