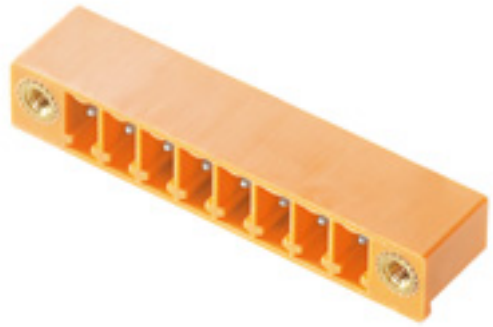
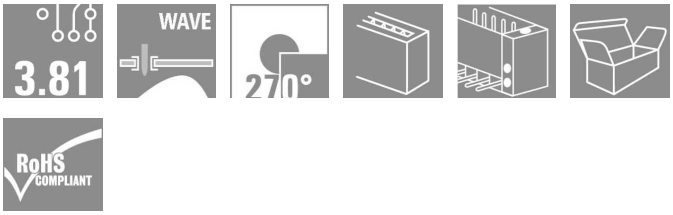
# OMNIMATE Signal - series BC/SC 3.81
# SC 3.81/08/270F 3.2SN OR BX

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
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The SC pin header in 270°-outlet direction: the 270° angle exists between the plugging direction and the solder pin. The plugging direction is then parallel to the PCB. Sockets blocks, however, have an overhead plugging angle.

- More freedom when designing components and devices.
- A high component density when multiple PCBs are arranged in parallel within one housing
- The housing design is application-friendly because of the additional optional wire outlet direction.
- 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 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 3.81/08/270F 3.2SN OR BX |
| Order No. | 1038110000 |
| Version | PCB plug-in connector, male header, Flange, Solder connection, 3.81 mm, No. of poles: 8, 270°, Solder pin length (l): 3.2 mm, tinned, Orange, Box |
| GTIN (EAN) | 4032248766635 |
| Qty. | 50 pc(s). |
| Product data | IEC: 320 V / 17.5 A<br>UL: 300 V / 10 A |
| Packaging | Box |

Erstellungs-Datum December 13, 2013 11:47:08 AM CET

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## Technische Daten

### Dimensions and weights

| | |
|---|---|
| Net weight | 2.9 g |

### System parameters

| | | | |
|---|---|---|---|
| Product family | OMNIMATE Signal - series BC/SC 3.81 | Mounting onto the PCB | Solder connection |
| Outgoing elbow | 270° | Pitch in mm (P) | 3.81 mm |
| Pitch in inches (P) | 0.15 inch | No. of poles | 8 |
| 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 | 26.67 mm | L1 in inches | 1.05 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 | 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 A |
| Rated current, number of poles (Tu=40°C), min | 17.5 A | Rated current, number of poles (Tu=40°C), max. | 15.1 A |
| Rated voltage for surge voltage class pollution degree III/3 | 160 V | Rated impulse voltage for surge voltage classcontamination degree III/3 | 2.5 kV |
| Rated voltage for surge voltage class pollution degree III/2 | 160 V | Rated impulse voltage for surge voltage classpollution degree III/2 | 2.5 kV |
| Rated voltage for surge voltage class pollution degree II/2 | 320 V | Rated impulse voltage for surge voltage classpollution 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

| | | | |
|---|---|---|---|
| eClass 6.2 | 27-26-07-04 | eClass 7.1 | 27-44-04-02 |

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## Technische Daten

### Notes

| | |
|---|---|
| Notes | • Additional colours on request<br>• Rated current related to rated cross-section & min. No. of poles.<br>• 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.<br>• P on drawing = pitch |

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |

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## Zeichnungen

