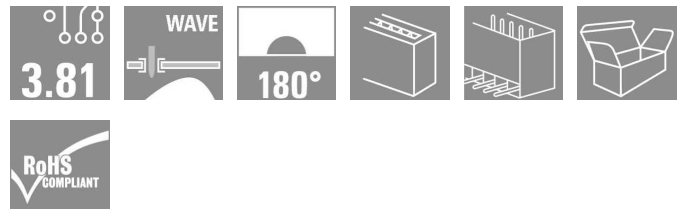


## OMNIMATE Signal - series BC/SC 3.81 SC 3.81/08/180G 3.2SN GN BX

**Weidmüller Interface GmbH & Co. KG**  
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The SC pin header has a perpendicular (standing) 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 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 3.81/08/180G 3.2SN GN BX                                                                                                                                |
| Order No.    | <a href="#">1793660000</a>                                                                                                                                 |
| Version      | PCB plug-in connector, male header, closed side, Solder connection, 3.81 mm, No. of poles: 8, 180°, Solder pin length (l): 3.2 mm, tinned, Pale green, Box |
| GTIN (EAN)   | 4032248230785                                                                                                                                              |
| Qty.         | 50 pc(s).                                                                                                                                                  |
| Product data | IEC: 320 V / 17.5 A<br>UL: 300 V / 10 A                                                                                                                    |
| Packaging    | Box                                                                                                                                                        |

Erstellungs-Datum January 15, 2014 7:45:24 AM CET

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**Technische Daten****Dimensions and weights**

|            |       |
|------------|-------|
| Net weight | 2.1 g |
|------------|-------|

**System parameters**

|                                              |                                     |                                            |                       |
|----------------------------------------------|-------------------------------------|--------------------------------------------|-----------------------|
| Product family                               | OMNIMATE Signal - series BC/SC 3.81 | Mounting onto the PCB                      | Solder connection     |
| Outgoing elbow                               | 180°                                | 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 <sup>6</sup> 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                                | Pale green |
| 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)                              | 17.1 A |
| Rated current, number of poles (Tu=40°C), min                | 17.5 A           | Rated current, number of poles (Tu=40°C), max.                          | 17.1 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**

|                             |                                                                                     |                             |       |
|-----------------------------|-------------------------------------------------------------------------------------|-----------------------------|-------|
| Institute (CSA)             |  | 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 |

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## Technische Daten

### Classifications

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 3.0   | EC001284    | UNSPSC     | 30-21-18-10 |
| eClass 5.1 | 27-26-07-04 | eClass 6.2 | 27-26-07-04 |
| eClass 7.1 | 27-44-04-02 |            |             |

### Notes

- Notes
- Additional colours on request
  - P on drawing = 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



ROHS

Conform

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## Zeichnungen

