Data sheet

# CH 5.00/15/180F 3.9SN GN BX

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

## General ordering data

| | |
|---|---|
| Order No. | 2645540000 |
| Type | CH 5.00/15/180F 3.9SN GN BX |
| GTIN (EAN) | 4050118641431 |
| Qty. | 75 items |
| Product data | IEC: 630 V / 15 A<br>UL: 300 V / 15 A |
| Packaging | Box |

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## Technical data

### Approvals

| | |
|---|---|
| Approvals | cULus |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E60693 |

### Dimensions and weights

| | |
|---|---|
| Net weight | 6.2 g |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 6c |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 2f5e7231-4ad1-4dcb-8e0f-b14defbd9d78 |

### System specifications

| | | | |
|---|---|---|---|
| Product family | OMNIMATE Signal - series BL/SL 5.08 | Type of connection | Board connection |
| Mounting onto the PCB | THT solder connection | Pitch in mm (P) | 5.00 mm |
| Pitch in inches (P) | 0.197 " | Outgoing elbow | 180° |
| Number of poles | 15 | Number of solder pins per pole | 1 |
| Solder pin length (l) | 3.9 mm | Solder pin dimensions | 1.0 x 1.0 mm |
| Solder eyelet hole diameter (D) | 1.6 mm | L1 in mm | 70.00 mm |
| L1 in inches | 2.758 " | Number of rows | 1 |
| Pin series quantity | 1 | | |

### Material data

| | | | |
|---|---|---|---|
| Insulating material | PA GF | Colour | Pale green |
| Colour chart (similar) | RAL 6021 | Insulating material group | I |
| Moisture Level (MSL) | | UL 94 flammability rating | V-0 |
| Contact base material | Cu-alloy | Contact material | Cu-alloy |
| Contact surface | tinned | Tinning type | matt |
| Storage temperature, min. | -40 °C | Storage temperature, max. | 70 °C |
| Operating temperature, min. | -40 °C | Operating temperature, max. | 105 °C |

### Rated data acc. to IEC

| | | | |
|---|---|---|---|
| Rated current, min. number of poles (Tu=20°C) | 15 A | Rated voltage for surge voltage class / pollution degree II/2 | 630 V |
| Rated voltage for surge voltage class / pollution degree III/2 | 320 V | Rated voltage for surge voltage class / pollution degree III/3 | 250 V |
| Rated impulse voltage for surge voltage class/ pollution degree II/2 | 4 kV | Rated impulse voltage for surge voltage class/ pollution degree III/2 | 4 kV |
| Rated impulse voltage for surge voltage class/ contamination degree III/3 | 4 kV | | |

### Rated data acc. to CSA

| | | | |
|---|---|---|---|
| Rated voltage (Use group B / CSA) | 300 V | Rated voltage (Use group D / CSA) | 300 V |
| Rated current (Use group B / CSA) | 15 A | Rated current (Use group D / CSA) | 10 A |

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### Rated data acc. to UL 1059

| | | | |
|---|---|---|---|
| Institute (cURus) | CURUS | Certificate No. (cURus) | E60693 |
| Rated voltage (Use group B / UL 1059) | 300 V | Rated voltage (Use group D / UL 1059) | 300 V |
| Rated current (Use group B / UL 1059) | 15 A | Rated current (Use group D / UL 1059) | 10 A |
| Reference to approval values | Specifications are maximum values, details - see approval certificate. | | |

### Packing

| | | | |
|---|---|---|---|
| Packaging | Box | VPE length | 0.00 mm |
| VPE width | 0.00 mm | VPE height | 0.00 mm |

### Important note

| | |
|---|---|
| Notes | • Only compatible with OMNIMATE basic products<br>• P on drawing = pitch<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>• 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<br>• Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months |

### Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC002637 | ETIM 9.0 | EC002637 |
| ETIM 10.0 | EC002637 | ECLASS 14.0 | 27-46-02-01 |
| ECLASS 15.0 | 27-46-02-01 | | |

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## Drawings