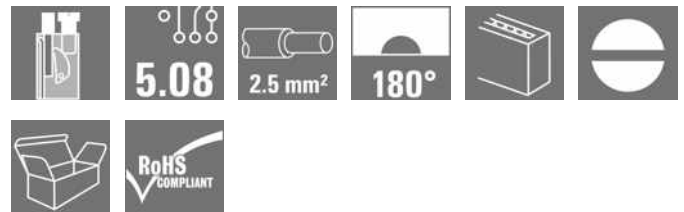


**OMNIMATE Signal - series BL/SL 5.08  
SLT 5.08/10/180DF SN OR BX**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com



Male plugs with screw TOP wire connection. The male plug provides space for labelling and can be coded.

**General ordering data**

|              |                                                                                                                                    |
|--------------|------------------------------------------------------------------------------------------------------------------------------------|
| Type         | SLT 5.08/10/180DF SN OR BX                                                                                                         |
| Order No.    | <a href="#">1353450000</a>                                                                                                         |
| Version      | PCB plug-in connector, male plug, 5.08 mm, No. of poles: 10, 180°, TOP connection, Clamping range, max.: 2.5 mm <sup>2</sup> , Box |
| GTIN (EAN)   | 4050118156102                                                                                                                      |
| Qty.         | 24 pc(s).                                                                                                                          |
| Product data | IEC: 400 V / 16 A / 0.2 - 2.5 mm <sup>2</sup><br>UL: 300 V / 15 A / AWG 26 - AWG 14                                                |
| Packaging    | Box                                                                                                                                |

**OMNIMATE Signal - series BL/SL 5.08  
SLT 5.08/10/180DF SN OR BX**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Technical data****Dimensions and weights**

|            |         |
|------------|---------|
| Net weight | 31.71 g |
|------------|---------|

**System parameters**

|                            |                                     |                                              |                                                  |
|----------------------------|-------------------------------------|----------------------------------------------|--------------------------------------------------|
| Product family             | OMNIMATE Signal - series BL/SL 5.08 | Wire connection method                       | TOP connection                                   |
| Pitch in mm (P)            | 5.08 mm                             | Pitch in inches (P)                          | 0.2 inch                                         |
| Conductor outlet direction | 180°                                | No. of poles                                 | 10                                               |
| L1 in mm                   | 45.72 mm                            | L1 in inches                                 | 1.8 inch                                         |
| Pin series quantity        | 1                                   | Touch-safe protection acc. to DIN VDE 57 106 | Finger-safe plugged/ back-of-hand-safe unplugged |
| Can be coded               | Yes                                 | Stripping length                             | 13 mm                                            |
| Tightening torque, min.    | 0.4 Nm                              | Tightening torque, max.                      | 0.5 Nm                                           |
| Clamping screw             | M 2.5                               | Screwdriver blade                            | 0.6 x 3.5                                        |
| Screwdriver blade standard | DIN 5264                            | Plugging cycles                              | 25                                               |
| Packaging                  | Box                                 |                                              |                                                  |

**Material data**

|                                       |          |                                       |                          |
|---------------------------------------|----------|---------------------------------------|--------------------------|
| Insulating material                   | PBT      | Colour                                | Orange                   |
| Colour chart (similar)                | RAL 2000 | Insulating material group             | IIIa                     |
| CTI                                   | ≥ 200    | Insulation resistance                 | ≥ 10 <sup>8</sup> Ω      |
| UL 94 flammability rating             | V-0      | Layer structure of plug contact       | 4-8 μm Sn hot-dip tinned |
| Storage temperature, min.             | -25 °C   | Storage temperature, max.             | 55 °C                    |
| Max. relative humidity during storage | 80 %     | Operating temperature, min.           | -50 °C                   |
| Operating temperature, max.           | 100 °C   | Temperature range, installation, min. | -25 °C                   |
| Temperature range, installation, max. | 100 °C   |                                       |                          |

**Conductors suitable for connection**

|                                                 |                          |                                                 |                     |
|-------------------------------------------------|--------------------------|-------------------------------------------------|---------------------|
| Clamping range, min.                            | 0.13 mm <sup>2</sup>     | Clamping range, max.                            | 2.5 mm <sup>2</sup> |
| Wire connection cross section AWG, min.         | AWG 26                   | Wire connection cross section AWG, max.         | AWG 14              |
| Solid, min. H05(07) V-U                         | 0.2 mm <sup>2</sup>      | Solid, max. H05(07) V-U                         | 2.5 mm <sup>2</sup> |
| Flexible, min. H05(07) V-K                      | 0.2 mm <sup>2</sup>      | Flexible, max. H05(07) V-K                      | 1.5 mm <sup>2</sup> |
| w. plastic collar ferrule, DIN 46228 pt 4, min. | 0.2 mm <sup>2</sup>      | w. plastic collar ferrule, DIN 46228 pt 4, max. | 1.5 mm <sup>2</sup> |
| w. wire end ferrule, DIN 46228 pt 1, min        | 0.2 mm <sup>2</sup>      | w. wire end ferrule, DIN 46228 pt 1, max.       | 1.5 mm <sup>2</sup> |
| Plug gauge acc. to EN 60999 a x b; Ø            | 2.4 mm x 1.5 mm ; 2.4 mm |                                                 |                     |

**Rated data acc. to IEC**

|                                                                           |                        |                                                                       |                   |
|---------------------------------------------------------------------------|------------------------|-----------------------------------------------------------------------|-------------------|
| tested acc. to standard                                                   | IEC 60664-1, IEC 61984 | Rated current, min. no. of poles (Tu=20°C)                            | 16 A              |
| Rated current, max. no. of poles (Tu=20°C)                                | 12.5 A                 | Rated current, min. no. of poles (Tu=40°C)                            | 13 A              |
| Rated current, max. no. of poles (Tu=40°C)                                | 11 A                   | Rated voltage for surge voltage class / pollution degree II/2         | 400 V             |
| Rated voltage for surge voltage class / pollution degree III/2            | 400 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                   | Short-time withstand current resistance                               | 3 x 1s with 120 A |

Creation date April 13, 2018 11:40:16 AM CEST


**OMNIMATE Signal - series BL/SL 5.08  
SLT 5.08/10/180DF SN OR BX**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Technical data**
**Rated data acc. to CSA**

|                               |        |                               |        |
|-------------------------------|--------|-------------------------------|--------|
| Rated voltage (Use group B)   | 300 V  | Rated voltage (use group D)   | 300 V  |
| Rated current (use group B)   | 10 A   | Rated current (use group D)   | 10 A   |
| Wire cross-section, AWG, min. | AWG 26 | Wire cross-section, AWG, max. | AWG 14 |

**Rated data acc. to UL 1059**

|                               |                                                                                   |                               |        |
|-------------------------------|-----------------------------------------------------------------------------------|-------------------------------|--------|
| Institute (UR)                |  | Certificate No. (UR)          | E60693 |
| Rated voltage (use group B)   | 300 V                                                                             | Rated voltage (use group D)   | 300 V  |
| Rated current (use group B)   | 15 A                                                                              | Rated current (use group D)   | 10 A   |
| Wire cross-section, AWG, min. | AWG 26                                                                            | Wire cross-section, AWG, max. | AWG 14 |
| Reference to approval values  | Specifications are maximum values, details - see approval certificate.            |                               |        |

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 4.0   | EC002637    | ETIM 5.0   | EC002637    |
| ETIM 6.0   | EC002637    | eClass 6.2 | 27-26-07-04 |
| eClass 7.1 | 27-44-04-02 | eClass 8.1 | 27-44-04-02 |
| eClass 9.0 | 27-44-04-02 | eClass 9.1 | 27-44-04-02 |

**Notes**

- Notes
- Additional colours on request
  - Rated current related to rated cross-section & min. No. of poles.
  - Wire end ferrule without plastic collar to DIN 46228/1
  - Wire end ferrule with plastic collar to DIN 46228/4
  - Crimp form A for wire end ferrules with PZ1.5 or PZ 6/5 crimping tool are recommended for the largest cable sizes.
  - 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.

IPC conformity The products are developed, manufactured and delivered according to the internationally recognised IPC-A-610 standard, category "permissible". More extensive demands on the products can be evaluated on request.

**Approvals**

Approvals



ROHS Conform

**Data sheet****OMNIMATE Signal - series BL/SL 5.08  
SLT 5.08/10/180DF SN OR BX**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Technical data****Downloads**

Approval/Certificate/Document of  
Conformity

[Declaration of the Manufacturer](#)

Brochure/Catalogue

[FL DRIVES EN](#)  
[MB DEVICE MANUF. EN](#)  
[FL DRIVES DE](#)  
[CAT 2 PORTFOLIOGUIDE EN](#)  
[FL BUILDING SAFETY EN](#)  
[FL APPL LED LIGHTING EN](#)  
[FL INDUSTR.CONTROLS EN](#)  
[FL MACHINE SAFETY EN](#)  
[FL HEATING ELECTR EN](#)  
[FL APPL INVERTER EN](#)  
[FL BASE STATION EN](#)  
[FL ELEVATOR EN](#)  
[FL POWER SUPPLY EN](#)  
[FL 72H SAMPLE SER EN](#)  
[PO OMNIMATE EN](#)

**OMNIMATE Signal - series BL/SL 5.08  
SLT 5.08/10/180DF SN OR BX**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

**Drawings**

**Dimensional drawing**

