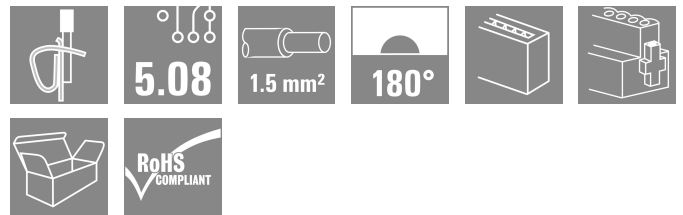
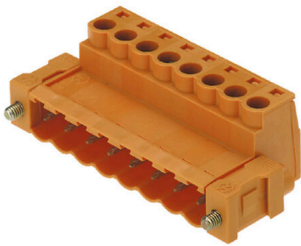


SLS 5.08/08/180FI SN OR BX PRT

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

www.weidmueller.com

Product image



Similar to illustration

Male plugs with clamping-yoke screw wire-connect system. The male plugs provide space for labelling and can be coded.

General ordering data

| | |
|--------------|---|
| Version | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 8, 180°, Tension-clamp connection, Clamping range, max. : 3.31 mm², Box |
| Order No. | 1006310000 |
| Type | SLS 5.08/08/180FI SN OR BX PRT |
| GTIN (EAN) | 4032248706594 |
| Qty. | 36 items |
| Product data | IEC: 400 V / 23 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - AWG 12 |
| Packaging | Box |

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Technical data

Approvals

Approvals



| | |
|-----------------------|----------------------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (UR) | E60693 |

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 22.2 mm | Depth (inches) | 0.874 inch |
| Height | 15.3 mm | Height (inches) | 0.6024 inch |
| Net weight | 15.24 g | | |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

System Parameters

| | | | |
|--|--|--|--|
| Product family | OMNIMATE Signal - series BL/SL 5.08 | Type of connection | Field connection |
| Wire connection method | Tension-clamp connection | Pitch in mm (P) | 5.08 mm |
| Pitch in inches (P) | 0.200 " | Conductor outlet direction | 180° |
| Number of poles | 8 | L1 in mm | 35.56 mm |
| L1 in inches | 1.400 " | Number of rows | 1 |
| Pin series quantity | 1 | Touch-safe protection acc. to DIN VDE 57 106 | finger-safe plugged/ back-of-hand-safe unplugged |
| Touch-safe protection acc. to DIN VDE 0470 | IP20 plugged/ IP10 unplugged | Protection degree | IP20, when fully mounted |
| Volume resistance | ≤5 mΩ | Can be coded | Yes |
| Stripping length | 10 mm | Screwdriver blade standard | DIN 5264-A |
| Plugging cycles | 25 | Pulling force/pole, max. | 2 N |

Material data

| | | | |
|---------------------------------------|----------|---------------------------------------|----------------------------|
| Insulating material | PBT | Colour | orange |
| Colour chart (similar) | RAL 2000 | Insulating material group | IIIa |
| Comparative Tracking Index (CTI) | ≥ 200 | Moisture Level (MSL) | |
| UL 94 flammability rating | V-0 | Contact material | Cu-alloy |
| Contact surface | tinned | Layer structure of plug contact | 4...8 μm Sn hot-dip tinned |
| Storage temperature, min. | -40 °C | Storage temperature, max. | 70 °C |
| 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 ² | Clamping range, max. | 3.31 mm ² |
| Wire connection cross section AWG, min. | AWG 26 | Wire connection cross section AWG, max. | AWG 12 |
| Solid, min. H05(07) V-U | 0.2 mm ² | Solid, max. H05(07) V-U | 2.5 mm ² |
| Stranded, min. H07V-R | 0.2 mm ² | Stranded, max. H07V-R | 2.5 mm ² |
| Flexible, min. H05(07) V-K | 0.2 mm ² | Flexible, max. H05(07) V-K | 2.5 mm ² |
| w. plastic collar ferrule, DIN 46228 pt 4, 0.2 mm ² min. | | w. plastic collar ferrule, DIN 46228 pt 4, 1.5 mm ² max. | |

Creation date 02.05.2026 12:14:57 MEZ

Catalogue status / Drawings

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| | | | |
|---|---------------------|---|--|
| w. wire end ferrule, DIN 46228 pt 1, min. | 0.2 mm ² | w. wire end ferrule, DIN 46228 pt 1, max. | 2.5 mm ² |
| Plug gauge in accordance with EN 60999 a x b; ø | 2.8 mm x 2.0 mm | Reference text | The outside diameter of the plastic collar should not be larger than the pitch (P). Length of ferrules is to be chosen depending on the product and the rated voltage. |

Rated data acc. to IEC

| | | | |
|---|------------------------|---|-------------------|
| tested acc. to standard | IEC 60664-1, IEC 61984 | Rated current, min. number of poles (Tu=20°C) | 23 A |
| Rated current, max. number of poles (Tu=20°C) | 16 A | Rated current, min. number of poles (Tu=40°C) | 18 A |
| Rated current, max. number of poles (Tu=40°C) | 14 A | Rated voltage for surge voltage class / pollution degree II/2 | 400 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 | Short-time withstand current resistance | 3 x 1s with 120 A |

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 |
| Wire cross-section, AWG, min. | AWG 26 | Wire cross-section, AWG, max. | AWG 12 |

Rated data acc. to UL 1059

| | | | |
|---------------------------------------|--|---------------------------------------|--------|
| Institute (UR) | UR | Certificate No. (UR) | 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 |
| Wire cross-section, AWG, min. | AWG 26 | Wire cross-section, AWG, max. | AWG 12 |
| Reference to approval values | Specifications are maximum values, details - see approval certificate. | | |

Packing

| | | | |
|-----------|-----------|------------|-----------|
| Packaging | Box | VPE length | 350.00 mm |
| VPE width | 139.00 mm | VPE height | 32.00 mm |

Type tests

| | | | |
|-------------------------------|----------------|---|-----------|
| Test: Durability of markings | Standard | VDE 0627 Tab. 7 item 3/6.86 | |
| | Test | durability | |
| | Evaluation | passed | |
| Test: Clampable cross section | Standard | VDE 0609 part 1 06.83, EN 60947-1 03.91 | |
| | Conductor type | Type of conductor and conductor cross-section | H05V-U0.5 |
| | | Type of conductor and conductor cross-section | H05V-K0.5 |
| | | Type of conductor and conductor cross-section | H05V-U2.5 |

Technical data

| | | |
|---|---|--|
| | Type of conductor and conductor cross-section | H05V-K2.5 |
| | Type of conductor and conductor cross-section | AWG 28 |
| | Type of conductor and conductor cross-section | AWG 14 |
| | Evaluation | passed |
| | Standard | EN 60947-1/1991 section 8.2.4.3 |
| | Requirement | 0.3 kg |
| Test for damage to and accidental loosening of conductors | Conductor type | Type of conductor and conductor cross-section H05V-U0.5 |
| | | Type of conductor and conductor cross-section H05V-K0.5 |
| | Evaluation | passed |
| | Requirement | 0.7 kg |
| | Conductor type | Type of conductor and conductor cross-section H07V-U2.5 |
| | | Type of conductor and conductor cross-section H07V-K2.5 |
| Pull-out test | Evaluation | passed |
| | Standard | EN 60947-1/1991 section 8.2.4.4 |
| | Requirement | ≥5 N |
| | Conductor type | Type of conductor and conductor cross-section AWG 28/1 |
| | | Type of conductor and conductor cross-section AWG 28/7 |
| | Evaluation | passed |
| | Requirement | ≥50 N |
| | Conductor type | Type of conductor and conductor cross-section H07V-U2.5 |
| | | Type of conductor and conductor cross-section H07V-K2.5 |
| | | Type of conductor and conductor cross-section AWG 14/19 |
| | Evaluation | passed |

Important note

IPC conformity Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-6 10 "Class 2". Further claims on the products can be evaluated on request.

- Notes
- 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
 - Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

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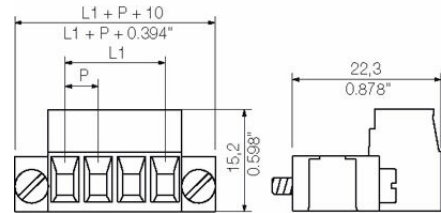
www.weidmueller.com

Technical data

Classifications

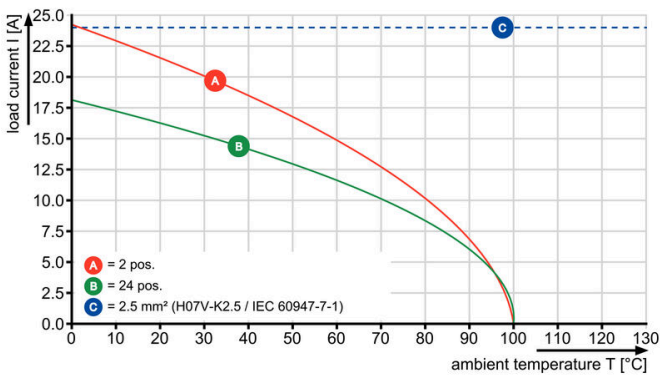
| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC002638 | ETIM 9.0 | EC002638 |
| ETIM 10.0 | EC002638 | ECLASS 14.0 | 27-46-02-02 |
| ECLASS 15.0 | 27-46-02-02 | | |

Dimensional drawing



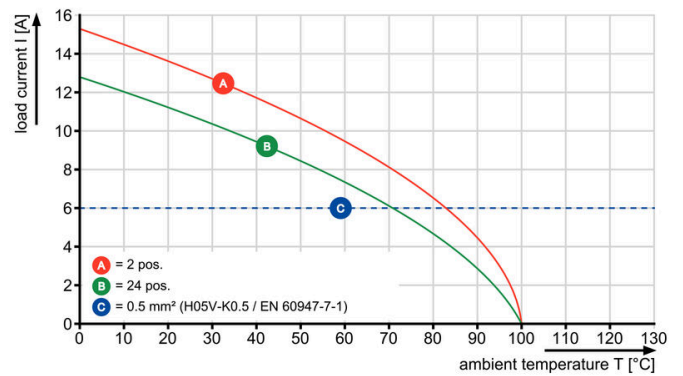
Graph

BLZP 5.08/./180 - SLS 5.08/./180



Graph

BLZP 5.08/./180 - SLS 5.08/./180



Graph

BLL 5.08/./180 - SLS 5.08/./180

