



**THE DATASHEET OF  
1405860000**



## SLAS 10B BB4 SN OR

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

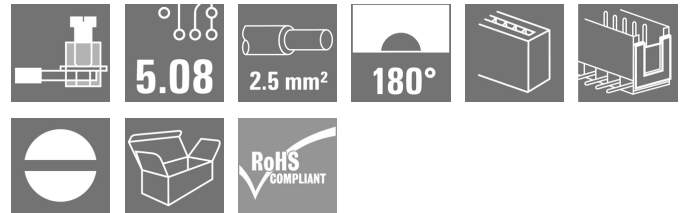
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### Product image



Similar to illustration

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Male header with screw conductor connection for flying leads. Clip-on feet for mounting on the terminal rail and fixing blocks are available for this male connector with clamping yoke connection. The SLAS provides space for labelling and can be coded. Supplied in cardboard box.

### General ordering data

|                 |   |
|-----------------|---|
| Version         | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 10, 180°, Clamping yoke connection, Clamping range, max. : 1.5 mm², Box |
| Order No.       | <a href="#">1405860000</a>  |
| Type            | SLAS 10B BB4 SN OR  |
| GTIN (EAN)      | 4008190189631   |
| Qty.            | 24 pc(s).   |
| Product data    | IEC: 400 V / 16 A / 0.2 - 1.5 mm²<br>UL: 300 V / 10 A / AWG 28 - AWG 16   |
| Packaging       | Box   |
| Delivery status | <b>This article will no longer be available in the future.</b>  |
| Available until | 2024-09-30  |

Creation date October 18, 2024 10:06:33 AM CEST

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## Technical data

### Dimensions and weights

Net weight 21.8 g

### System specifications

|   |  |   |                                    |
|---|--|---|------------------------------------|
| Product family                                | OMNIMATE Signal - series<br>BLA/SLA 5.08 | Type of connection                              | Field connection                   |
| Pitch in mm (P)                               | 5.08 mm                                  | Pitch in inches (P)                             | 0.2 "                              |
| Number of poles                               | 10                                       | L1 in mm  | 45.72 mm                           |
| L1 in inches                                  | 1.8 "                                    | Number of rows                                  | 1                                  |
| Pin series quantity                           | 1  | Touch-safe protection acc. to DIN VDE<br>57 106 | Safe from finger touch,<br>plugged |
| Touch-safe protection acc. to DIN VDE<br>0470 | IP 20                                    | Volume resistance                               | 5.00 mΩ                            |
| Plugging cycles                               | 25                                       |   |                                    |

### Material data

|                                       |                            |                                       |        |
|---------------------------------------|----------------------------|---------------------------------------|--------|
| Insulating material                   | PBT GF                     | Colour                                | orange |
| Colour chart (similar)                | RAL 2000                   | Insulating material group             | IIIa   |
| Comparative Tracking Index (CTI)      | ≥ 200                      | 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.           | 120 °C                     | Temperature range, installation, min. | -25 °C |
| Temperature range, installation, max. | 120 °C                     |                                       |        |

### Conductors suitable for connection

|  |                      |  |  |
|--|----------------------|--|--|
| Clamping range, min.                               | 0.13 mm <sup>2</sup> | Clamping range, max.                               | 1.5 mm <sup>2</sup>  |
| Wire connection cross section AWG,<br>min.         | AWG 28               | Wire connection cross section AWG,<br>max.         | AWG 16   |
| Solid, min. H05(07) V-U                            | 0.2 mm <sup>2</sup>  | Solid, max. H05(07) V-U                            | 1.5 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,<br>min. | 0.2 mm <sup>2</sup>  | w. plastic collar ferrule, DIN 46228 pt 4,<br>max. | 1.5 mm <sup>2</sup>  |
| w. wire end ferrule, DIN 46228 pt 1,<br>min.       | 0.2 mm <sup>2</sup>  | w. wire end ferrule, DIN 46228 pt 1,<br>max.       | 1.5 mm <sup>2</sup>  |
| Plug gauge in accordance with EN<br>60999 a x b; ø |                      | Reference text                                     | The outside diameter of<br>the plastic collar should<br>not be larger than the pitch<br>(P). Length of ferrules is to<br>be chosen depending on<br>the product and the rated<br>voltage. |
|  | 2.4 mm x 1.5 mm      |  |  |

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## Technical data

### Rated data acc. to IEC

|   |                        |   |                   |
|---|------------------------|---|-------------------|
| tested acc. to standard   | IEC 60664-1, IEC 61984 | Rated current, min. number of poles (Tu=20°C)                         | 16 A              |
| Rated current, max. number of poles (Tu=20°C)                             | 15 A                   | Rated current, min. number of poles (Tu=40°C)                         | 14 A              |
| Rated current, max. number of poles (Tu=40°C)                             | 13 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

|                                   |  |                                   |           |
|-----------------------------------|--|-----------------------------------|-----------|
| Institute (CSA)                   |  | Certificate No. (CSA)             | 12400-158 |
| Rated voltage (Use group B / CSA) | 300 V  | Rated voltage (Use group D / CSA) | 300 V     |
| Rated current (Use group B / CSA) | 10 A   | Rated current (Use group D / CSA) | 10 A      |
| Wire cross-section, AWG, min.     | AWG 28   | Wire cross-section, AWG, max.     | AWG 16    |
| Reference to approval values      | Specifications are maximum values, details - see approval certificate. |                                   |           |

### Rated data acc. to UL 1059

|                                       |  |                                       |        |
|---------------------------------------|--|---------------------------------------|--------|
| Institute (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) | 10 A   | Rated current (Use group D / UL 1059) | 10 A   |
| Wire cross-section, AWG, min.         | AWG 28   | Wire cross-section, AWG, max.         | AWG 16 |
| Reference to approval values          | Specifications are maximum values, details - see approval certificate. |                                       |        |

### Packing

|           |        |            |        |
|-----------|--------|------------|--------|
| Packaging | Box    | VPE length | 349 mm |
| VPE width | 140 mm | VPE height | 31 mm  |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002638    | ETIM 7.0    | EC002638    |
| ETIM 8.0    | EC002638    | ETIM 9.0    | EC002638    |
| ECLASS 9.0  | 27-44-03-09 | ECLASS 9.1  | 27-44-03-09 |
| ECLASS 10.0 | 27-44-03-09 | ECLASS 11.0 | 27-46-02-02 |
| ECLASS 12.0 | 27-46-02-02 | ECLASS 13.0 | 27-46-02-02 |
| ECLASS 14.0 | 27-46-02-02 |             |             |

**Data sheet**

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**Technical data**

**Environmental Product Compliance**

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | /                           |

**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-610 "Class 2". Further claims on the products can be evaluated on request.  |
| Notes          | <ul style="list-style-type: none"> <li>• 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</li> <li>• Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months</li> </ul> |

**Approvals**

Approvals



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

**Downloads**

|            |  |
|------------|--|
| Catalogues | <a href="#">Catalogues in PDF-format</a>                     |
| Brochures  | <a href="#">FL DRIVES EN</a><br><a href="#">FL DRIVES DE</a> |

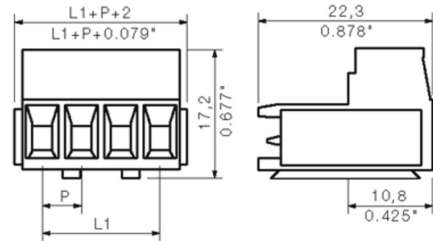
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**Drawings**

**Dimensional drawing**



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