

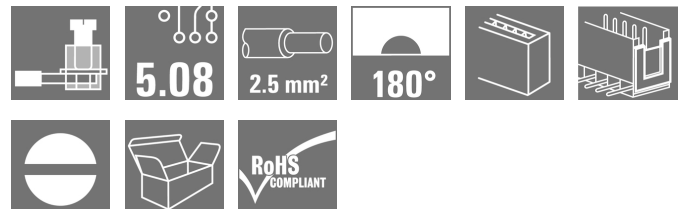
**SLAS 20B SN OR****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Product image**

Similar to illustration

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: 20, 180°, Clamping yoke connection, Clamping range, max. : 3.31 mm², Box |
| Order No.    | <a href="#">1571890000</a>                                                                                                           |
| Type         | SLAS 20B SN OR                                                                                                                       |
| GTIN (EAN)   | 4008190100834                                                                                                                        |
| Qty.         | 18 pc(s).                                                                                                                            |
| Product data | IEC: 400 V / 16 A / 0.2 - 2.5 mm²<br>UL: 300 V / 10 A / AWG 26 - AWG 12                                                              |
| Packaging    | Box                                                                                                                                  |

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## Technical data

## Dimensions and weights

|            |      |
|------------|------|
| Net weight | 37 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 inch                           |
| Number of poles     | 20                                       | L1 in mm                                        | 96.52 mm                           |
| L1 in inches        | 3.8 inch                                 | Number of rows                                  | 1                                  |
| Pin series quantity | 1                                        | Touch-safe protection acc. to DIN VDE<br>57 106 | Safe from finger touch,<br>plugged |
| 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                      | CuSn                       | 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.                               | 3.31 mm <sup>2</sup>                                                                                                                                                                     |
| Wire connection cross section AWG,<br>min.         | AWG 26               | Wire connection cross section AWG,<br>max.         | AWG 12                                                                                                                                                                                   |
| 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,<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      |                                                    |                                                                                                                                                                                          |

## Rated data acc. to IEC

|                                                                              |                        |                                                                          |                   |
|------------------------------------------------------------------------------|------------------------|--------------------------------------------------------------------------|-------------------|
| tested acc. to standard                                                      | IEC 60664-1, IEC 61984 | Rated current, min. number of poles<br>(Tu=20°C)                         | 16 A              |
| Rated current, max. number of poles<br>(Tu=20°C)                             | 15 A                   | Rated current, min. number of poles<br>(Tu=40°C)                         | 14 A              |
| Rated current, max. number of poles<br>(Tu=40°C)                             | 13 A                   | Rated voltage for surge voltage class /<br>pollution degree II/2         | 400 V             |
| Rated voltage for surge voltage class /<br>pollution degree III/2            | 320 V                  | Rated voltage for surge voltage class /<br>pollution degree III/3        | 250 V             |
| Rated impulse voltage for surge voltage<br>class/ pollution degree II/2      | 4 kV                   | Rated impulse voltage for surge voltage<br>class/ pollution degree III/2 | 4 kV              |
| Rated impulse voltage for surge voltage<br>class/ contamination degree III/3 | 4 kV                   | Short-time withstand current resistance                                  | 3 x 1s with 120 A |

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## 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) | 10 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

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

## Packing

|           |        |            |        |
|-----------|--------|------------|--------|
| Packaging | Box    | VPE length | 30 mm  |
| VPE width | 135 mm | VPE height | 350 mm |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002638    | ETIM 7.0    | 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 |

## 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>• Additional colours on request</li> <li>• Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>• Wire end ferrule without plastic collar to DIN 46228/1</li> <li>• Wire end ferrule with plastic collar to DIN 46228/4</li> <li>• P on drawing = pitch</li> <li>• 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.</li> <li>• Long term storage of the product with average temperature of 50 °C and average humidity 70%, 36 months</li> </ul> |

## Approvals

Approvals



ROHS

Conform

## Downloads

|                                             |                                                 |
|---------------------------------------------|-------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Declaration of the Manufacturer</a> |
| Engineering Data                            | <a href="#">STEP</a>                            |

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# Drawings

## Dimensional drawing

