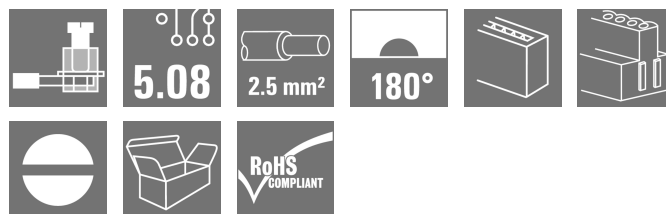
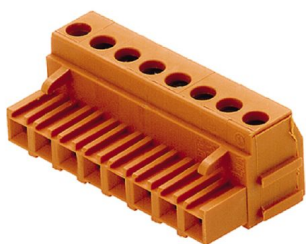


**BLA 24B SN OR****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Do not use product for  
new developments****Product image**

Similar to illustration

Female header with clamping yoke connection system. The principle of the vibration-proof screw connection and the Unimate range pin arrangement provides a unique security during operation. Also available with dovetail (B) for convenient attachment of fixing blocks. The BLA has a labelling panel and can be coded. Supplied in cardboard box.

**General ordering data**

|                 |                                                                                                                                       |
|-----------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Version         | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 24, 180°, Clamping yoke connection, Clamping range, max. : 1.5 mm², Box |
| Order No.       | <a href="#">1358260000</a>                                                                                                            |
| Type            | BLA 24B SN OR                                                                                                                         |
| GTIN (EAN)      | 4008190052393                                                                                                                         |
| Qty.            | 12 items                                                                                                                              |
| Product data    | IEC: 400 V / 17.5 A / 0.2 - 1.5 mm²<br>UL: 300 V / 10 A / AWG 28 - AWG 16                                                             |
| Packaging       | Box                                                                                                                                   |
| Delivery status | Discontinued                                                                                                                          |
| Available until | 2024-09-30T00:00:00+02:00                                                                                                             |

Creation date 06.11.2025 07:31:29 MEZ

Catalogue status / Drawings

## BLA 24B SN OR

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## Technical data

## Approvals

Approvals



|                       |                            |
|-----------------------|----------------------------|
| ROHS                  | Conform                    |
| UL File Number Search | <a href="#">UL Website</a> |
| Certificate No. (UR)  | E60693                     |

## Dimensions and weights

|            |           |                 |             |
|------------|-----------|-----------------|-------------|
| Depth      | 20 mm     | Depth (inches)  | 0.7874 inch |
| Height     | 15.2 mm   | Height (inches) | 0.5984 inch |
| Width      | 121.92 mm | Width (inches)  | 4.8 inch    |
| Net weight | 44.25 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<br>BLA/SLA 5.08            | Type of connection                         | Field connection    |
| Wire connection method                       | Clamping yoke connection                            | Pitch in mm (P)                            | 5.08 mm             |
| Pitch in inches (P)                          | 0.200 "                                             | Conductor outlet direction                 | 180°                |
| Number of poles                              | 24                                                  | L1 in mm                                   | 116.84 mm           |
| L1 in inches                                 | 4.600 "                                             | Number of rows                             | 1                   |
| Pin series quantity                          | 1                                                   | Rated cross-section                        | 2.5 mm <sup>2</sup> |
| Touch-safe protection acc. to DIN VDE 57 106 | finger-safe unplugged/<br>back-of-hand-safe plugged | Touch-safe protection acc. to DIN VDE 0470 | IP 20               |
| Protection degree                            | IP20                                                | Volume resistance                          | 5.50 mΩ             |
| Can be coded                                 | Yes                                                 | Stripping length                           | 7 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                  |
| Pulling force/pole, max.                     | 2 N                                                 |                                            |                     |

## Material data

|                                       |          |                                       |                            |
|---------------------------------------|----------|---------------------------------------|----------------------------|
| Insulating material                   | PBT GF   | 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.           | 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, min. | AWG 28               | Wire connection cross section AWG, max. | AWG 16              |

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|                                                                     |                     |                                                                     |                                                                                                                                                                        |
|---------------------------------------------------------------------|---------------------|---------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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, 0.2 mm <sup>2</sup> min. |                     | w. plastic collar ferrule, DIN 46228 pt 4, 1.5 mm <sup>2</sup> max. |                                                                                                                                                                        |
| 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 in accordance with EN 60999 a x b; ø                     | 2.4 mm x 1.5 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)                         | 17.5 A             |
| Rated current, max. number of poles (Tu=20°C)                             | 12.5 A                 | Rated current, min. number of poles (Tu=40°C)                         | 16 A               |
| Rated current, max. number 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            | 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 1 s with 100 A |

## Rated data acc. to CSA

|                                   |                                                                        |                                   |           |
|-----------------------------------|------------------------------------------------------------------------|-----------------------------------|-----------|
| Institute (CSA)                   | 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)                        | 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 | 349.00 mm |
| VPE width | 141.00 mm | VPE height | 31.00 mm  |

## 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          | • Additional variants on request                                                                                                                                                                                                                                                                                           |  |  |

## Technical data

- Gold-plated contact surfaces 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
- 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.
- 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

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002638    | ETIM 7.0    | EC002638    |
| ETIM 8.0    | EC002638    | ETIM 9.0    | EC002638    |
| ETIM 10.0   | 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 |
| ECLASS 15.0 | 27-46-02-02 |             |             |

## Dimensional drawing

