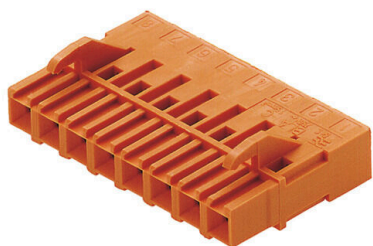


**BLAC 14R OR****Weidmüller Interface GmbH & Co. KG**

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 crimp connection system enable rational prefabrication of cable looms and guarantee a distinct cost-saving. The BLAC is also available with dove-tail (B) for convenient attachment of fixing blocks. Supplied in cardboard box.

**General ordering data**

|                 |                                                                                                                               |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------|
| Version         | PCB plug-in connector, female plug, 5.08 mm, Number of poles: 14, 180°, Crimp connection, Clamping range, max. : 2.5 mm², Box |
| Order No.       | <a href="#">1594160000</a>                                                                                                    |
| Type            | BLAC 14R OR                                                                                                                   |
| GTIN (EAN)      | 4008190019242                                                                                                                 |
| Qty.            | 50 items                                                                                                                      |
| Product data    | IEC: 500 V / 20 A<br>UL: 300 V / 10 A / AWG 26 - AWG 14                                                                       |
| Packaging       | Box                                                                                                                           |
| Delivery status | This article will no longer be available in the future.                                                                       |
| Available until | 2024-09-30T00:00:00+02:00                                                                                                     |

Creation date 25.02.2026 02:21:30 MEZ

Catalogue status / Drawings

## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

## Dimensions and weights

|            |          |                 |             |
|------------|----------|-----------------|-------------|
| Depth      | 24.5 mm  | Depth (inches)  | 0.9646 inch |
| Height     | 11.6 mm  | Height (inches) | 0.4567 inch |
| Width      | 71.12 mm | Width (inches)  | 2.8 inch    |
| Net weight | 8.03 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                       | Crimp connection                         | Pitch in mm (P)                            | 5.08 mm                      |
| Pitch in inches (P)                          | 0.200 "                                  | Conductor outlet direction                 | 180°                         |
| Number of poles                              | 14                                       | L1 in mm                                   | 66.04 mm                     |
| L1 in inches                                 | 2.600 "                                  | 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 | Safe from finger touch                   | Touch-safe protection acc. to DIN VDE 0470 | IP20 plugged/ IP10 unplugged |
| Can be coded                                 | Yes                                      | Stripping length                           | 5 mm                         |
| 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                      | Moisture Level (MSL)                  |          |
| UL 94 flammability rating             | V-0                        | Contact material                      | Cu-alloy |
| 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.                    | 0.22 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              |
| 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 |                                         |                     |

## BLAC 14R OR

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Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Technical data

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)                         | 20 A              |
| Rated current, max. number of poles (Tu=20°C)                             | 12.5 A                 | Rated current, min. number of poles (Tu=40°C)                         | 17.5 A            |
| Rated current, max. number of poles (Tu=40°C)                             | 11 A                   | Rated voltage for surge voltage class / pollution degree II/2         | 500 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)                   | 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 26                                                                 | Wire cross-section, AWG, max.     | AWG 14    |
| 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 26                                                                 | Wire cross-section, AWG, max.         | AWG 14 |
| Reference to approval values          | Specifications are maximum values, details - see approval certificate. |                                       |        |

## Packing

|           |          |            |           |
|-----------|----------|------------|-----------|
| Packaging | Box      | VPE length | 159.00 mm |
| VPE width | 96.00 mm | VPE height | 84.00 mm  |

## Important note

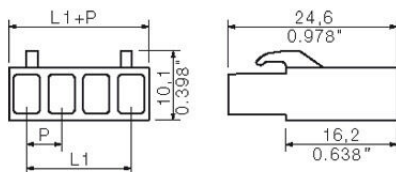
|                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |
|----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|
| 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          | <ul style="list-style-type: none"> <li>• Additional variants on request</li> <li>• Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>• Rated cross-section depends on crimp contact used.</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>• 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> |  |  |

**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 |             |             |

## Drawings

### Dimensional drawing



**Accessories****Coding elements**

Only connects what is supposed to be connected: the right connection at the right place.

Coding elements and locking devices clearly assign connecting elements during the manufacturing process and operation

The coding elements and locking devices are inserted prior to assembly or during the cable assembly phase. The Weidmüller alternative: configure online using the variant configurator to precode prior to delivery.

Incorrect assembly on the circuit board and incorrect plugging of connecting elements is no longer possible. The advantage: no troubleshooting during manufacture and no operational errors by the user.

**General ordering data**

|            |                            |                                                                   |
|------------|----------------------------|-------------------------------------------------------------------|
| Type       | SLA KO                     | Version                                                           |
| Order No.  | <a href="#">1323560000</a> | PCB plug-in connector, Accessories, Coding element, white, Number |
| GTIN (EAN) | 4008190428389              | of poles: 1                                                       |
| Qty.       | 100 ST                     |                                                                   |

## BLAC 14R OR

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Klingenbergstraße 26

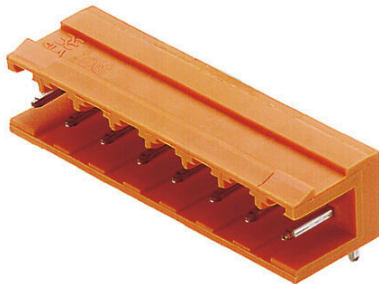
D-32758 Detmold

Germany

www.weidmueller.com

## Counterpart

## SLA 90

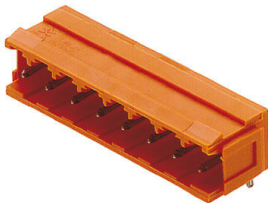


Dimensionally stable, angled, codable male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering. Supplied in cardboard box.

## General ordering data

|            |                            |                                                                       |
|------------|----------------------------|-----------------------------------------------------------------------|
| Type       | SLA 14/90 3.2SN OR BX      | Version                                                               |
| Order No.  | <a href="#">1239260000</a> | PCB plug-in connector, male header, open side, THT solder             |
| GTIN (EAN) | 4008190027407              | connection, 5.08 mm, Number of poles: 14, 90°, Solder pin length (l): |
| Qty.       | 50 ST                      | 3.2 mm, tinned, orange, Box                                           |

## SLA 90B



Dimensionally stable, angled, codable male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering. Supplied in cardboard box.

## General ordering data

|            |                            |                                                                      |
|------------|----------------------------|----------------------------------------------------------------------|
| Type       | SLA 14/90B 3.2SN OR BX     | Version                                                              |
| Order No.  | <a href="#">1242260000</a> | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4008190174118              | solder connection, 5.08 mm, Number of poles: 14, 90°, Solder pin     |
| Qty.       | 50 ST                      | length (l): 3.2 mm, tinned, orange, Box                              |

## SLA 180B



Dimensionally stable, straight, codable male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering. Supplied in cardboard box.

## General ordering data

|            |                            |                                                                      |
|------------|----------------------------|----------------------------------------------------------------------|
| Type       | SLA 14/180B 3.2SN OR BX    | Version                                                              |
| Order No.  | <a href="#">1243760000</a> | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4008190150181              | solder connection, 5.08 mm, Number of poles: 14, 180°, Solder pin    |
| Qty.       | 50 ST                      | length (l): 3.2 mm, tinned, orange, Box                              |

## BLAC 14R OR

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Klingenbergstraße 26

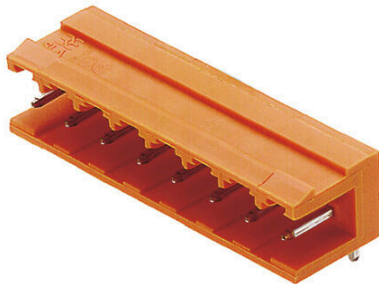
D-32758 Detmold

Germany

www.weidmueller.com

## Counterpart

## SLA 90

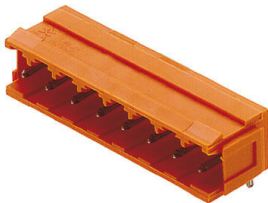


Dimensionally stable, angled, codable male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering. Supplied in cardboard box.

## General ordering data

|            |                            |                                                                       |
|------------|----------------------------|-----------------------------------------------------------------------|
| Type       | SLA 14/90 4.5SN OR BX      | Version                                                               |
| Order No.  | <a href="#">1348060000</a> | PCB plug-in connector, male header, open side, THT solder             |
| GTIN (EAN) | 4008190040482              | connection, 5.08 mm, Number of poles: 14, 90°, Solder pin length (l): |
| Qty.       | 50 ST                      | 4.5 mm, tinned, orange, Box                                           |

## SLA 90B



Dimensionally stable, angled, codable male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering. Supplied in cardboard box.

## General ordering data

|            |                            |                                                                      |
|------------|----------------------------|----------------------------------------------------------------------|
| Type       | SLA 14/90B 4.5SN OR BX     | Version                                                              |
| Order No.  | <a href="#">1352660000</a> | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4008190160425              | solder connection, 5.08 mm, Number of poles: 14, 90°, Solder pin     |
| Qty.       | 50 ST                      | length (l): 4.5 mm, tinned, orange, Box                              |

## SLA 180B



Dimensionally stable, straight, codable male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering. Supplied in cardboard box.

## General ordering data

|            |                            |                                                                      |
|------------|----------------------------|----------------------------------------------------------------------|
| Type       | SLA 14/180B 4.5SN OR BX    | Version                                                              |
| Order No.  | <a href="#">1354960000</a> | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4008190090791              | solder connection, 5.08 mm, Number of poles: 14, 180°, Solder pin    |
| Qty.       | 50 ST                      | length (l): 4.5 mm, tinned, orange, Box                              |

## BLAC 14R OR

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Klingenbergstraße 26

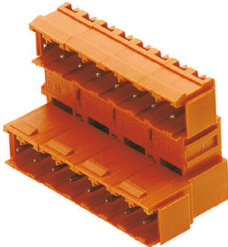
D-32758 Detmold

Germany

www.weidmueller.com

## Counterpart

## SLAD 90B

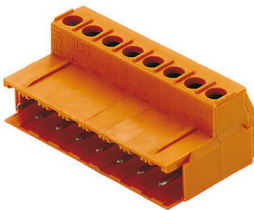


Dimensionally stable, angled, codable 2-tier male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering. Supplied in cardboard box.

## General ordering data

|            |                            |                                                                      |
|------------|----------------------------|----------------------------------------------------------------------|
| Type       | SLAD 28/90B 3.2SN OR       | Version                                                              |
| Order No.  | <a href="#">1390760000</a> | PCB plug-in connector, male header, Dovetails for fixing blocks, THT |
| GTIN (EAN) | 4008190091408              | solder connection, 5.08 mm, Number of poles: 28, 90°, Solder pin     |
| Qty.       | 10 ST                      | length (l): 3.2 mm, tinned, orange, Box                              |

## SLAS TB

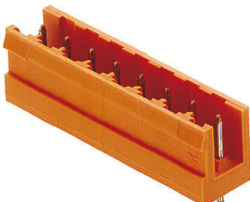


Male header with screw conductor connection for flying leads. Clip-on feet for mounting on the terminal rail and fixing blocks are available for this male connector with clamping yoke connection. The SLAS provides space for labelling and can be coded. Supplied in cardboard box.

## General ordering data

|            |                            |                                                                 |
|------------|----------------------------|-----------------------------------------------------------------|
| Type       | SLAS 14B SN OR             | Version                                                         |
| Order No.  | <a href="#">1571870000</a> | PCB plug-in connector, male plug, 5.08 mm, Number of poles: 14, |
| GTIN (EAN) | 4008190164911              | 180°, Clamping yoke connection, Clamping range, max. : 1.5 mm², |
| Qty.       | 24 ST                      | Box                                                             |

## SLA 180



Dimensionally stable, straight, codable male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering. Supplied in cardboard box.

## General ordering data

|            |                            |                                                                   |
|------------|----------------------------|-------------------------------------------------------------------|
| Type       | SLA 14/180 3.2SN OR BX     | Version                                                           |
| Order No.  | <a href="#">1240760000</a> | PCB plug-in connector, male header, open side, THT solder         |
| GTIN (EAN) | 4008190048181              | connection, 5.08 mm, Number of poles: 14, 180°, Solder pin length |
| Qty.       | 50 ST                      | (l): 3.2 mm, tinned, orange, Box                                  |

## BLAC 14R OR

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Germany

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## Counterpart

|            |                            |                                                                   |
|------------|----------------------------|-------------------------------------------------------------------|
| Type       | SLA 14/180 4.5SN OR BX     | Version                                                           |
| Order No.  | <a href="#">1350360000</a> | PCB plug-in connector, male header, open side, THT solder         |
| GTIN (EAN) | 4008190045081              | connection, 5.08 mm, Number of poles: 14, 180°, Solder pin length |
| Qty.       | 50 ST                      | (l): 4.5 mm, tinned, orange, Box                                  |

## SLAD 90



Dimensionally stable, angled, codable 2-tier male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering. Supplied in cardboard box.

## General ordering data

|            |                            |                                                                       |
|------------|----------------------------|-----------------------------------------------------------------------|
| Type       | SLAD 28/90 3.2SN OR        | Version                                                               |
| Order No.  | <a href="#">1373460000</a> | PCB plug-in connector, male header, open side, THT solder             |
| GTIN (EAN) | 4008190101152              | connection, 5.08 mm, Number of poles: 28, 90°, Solder pin length (l): |
| Qty.       | 10 ST                      | 3.2 mm, tinned, orange, Box                                           |