

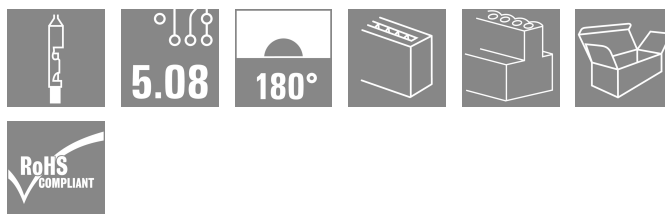
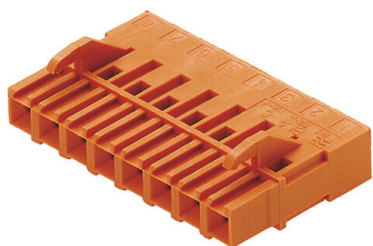
BLAC 10R OR**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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: 10, 180°, Crimp connection, Clamping range, max. : 2.5 mm², Box
Order No.	1478360000
Type	BLAC 10R OR
GTIN (EAN)	4008190104566
Qty.	50 items
Product data	IEC: 500 V / 20 A 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 19.02.2026 03:35:48 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	50.8 mm	Width (inches)	2 inch
Net weight	5.84 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 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	10	L1 in mm	45.72 mm
L1 in inches	1.800 "	Number of rows	1
Pin series quantity	1	Rated cross-section	2.5 mm ²
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 ²	Clamping range, max.	2.5 mm ²
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		

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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	162.00 mm
VPE width	94.00 mm	VPE height	83.00 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 • Rated current related to rated cross-section & min. No. of poles. • Rated cross-section depends on crimp contact used. • P on drawing = pitch • 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		

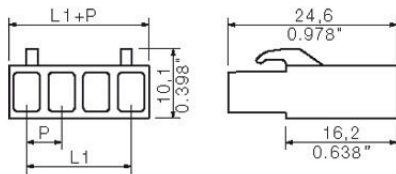
Technical data

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.	1323560000	PCB plug-in connector, Accessories, Coding element, white, Number
GTIN (EAN)	4008190428389	of poles: 1
Qty.	100 ST	

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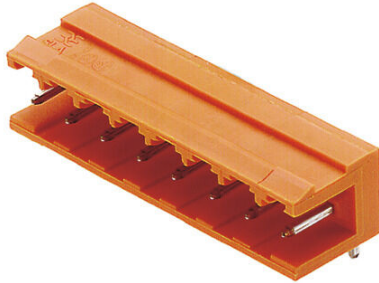
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Germany

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Counterpart

SLA 90

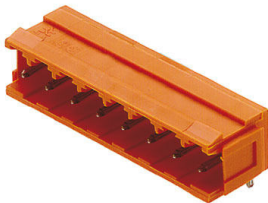


Dimensionally stable, angled, codable male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering. Supplied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

General ordering data

Type	SLA 10/90 3.2SN OR BX	Version
Order No.	1238860000	PCB plug-in connector, male header, open side, THT solder
GTIN (EAN)	4008190016777	connection, 5.08 mm, Number of poles: 10, 90°, Solder pin length (l):
Qty.	50 ST	3.2 mm, tinned, orange, Box

SLA 90B

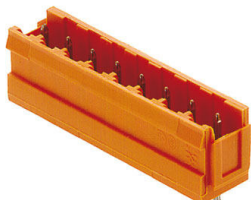


Dimensionally stable, angled, codable male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering. Supplied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

General ordering data

Type	SLA 10/90B 3.2SN OR BX	Version
Order No.	1241860000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190089856	solder connection, 5.08 mm, Number of poles: 10, 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 10/180B 3.2SN OR BX	Version
Order No.	1243360000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190005832	solder connection, 5.08 mm, Number of poles: 10, 180°, Solder pin
Qty.	50 ST	length (l): 3.2 mm, tinned, orange, Box

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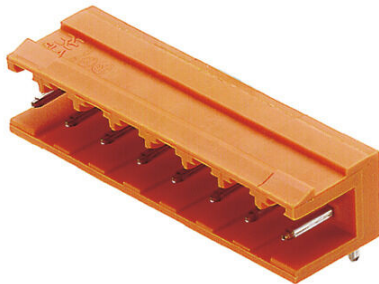
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Counterpart

SLA 90

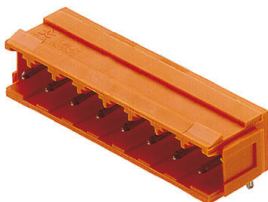


Dimensionally stable, angled, codable male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering. Supplied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

General ordering data

Type	SLA 10/90 4.5SN BK BX	Version
Order No.	1347610000	PCB plug-in connector, male header, open side, THT solder
GTIN (EAN)	4008190065119	connection, 5.08 mm, Number of poles: 10, 90°, Solder pin length (l):
Qty.	50 ST	4.5 mm, tinned, black, Box
Type	SLA 10/90 4.5SN OR BX	Version
Order No.	1347660000	PCB plug-in connector, male header, open side, THT solder
GTIN (EAN)	4008190112691	connection, 5.08 mm, Number of poles: 10, 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 10/90B 4.5SN OR BX	Version
Order No.	1352260000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190071936	solder connection, 5.08 mm, Number of poles: 10, 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.

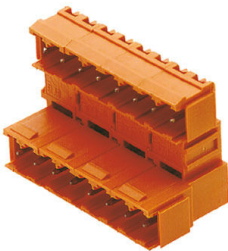
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Counterpart
General ordering data

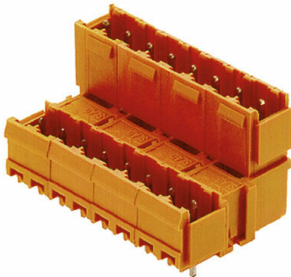
Type	SLA 10/180B 4.5SN OR BX	Version
Order No.	1354560000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190177294	solder connection, 5.08 mm, Number of poles: 10, 180°, Solder pin
Qty.	50 ST	length (l): 4.5 mm, tinned, orange, Box

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 20/90B 3.2SN OR	Version
Order No.	1389160000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190086824	solder connection, 5.08 mm, Number of poles: 20, 90°, Solder pin
Qty.	20 ST	length (l): 3.2 mm, tinned, orange, Box

SLAD 180B


Dimensionally stable, straight, 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

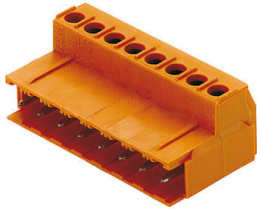
Type	SLAD 20/180B 3.2SN OR	Version
Order No.	1393360000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190126018	solder connection, 5.08 mm, Number of poles: 20, 180°, Solder pin
Qty.	20 ST	length (l): 3.2 mm, tinned, orange, Box

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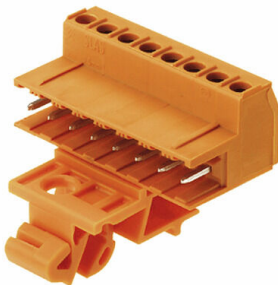
Germany

www.weidmueller.com
Counterpart
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 10B SN OR	Version
Order No.	1571850000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 10,
GTIN (EAN)	4008190129422	180°, Clamping yoke connection, Clamping range, max. : 1.5 mm ² ,
Qty.	30 ST	Box

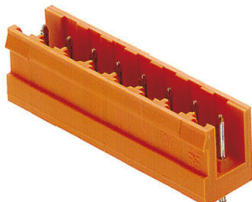
SLAS B with RF15


The Unimate range pin arrangement provides a unique security against wrong connections at 5.08 pitch.

- Clamping yoke, TOP and crimp connections
- Good dimensional stability and a high constant operating temperature thanks to glass fibre-reinforced PBT.

General ordering data

Type	SLAS 10B RF15 SN OR	Version
Order No.	1845930000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 10,
GTIN (EAN)	4032248361953	180°, Clamping yoke connection, Clamping range, max. : 1.5 mm ² ,
Qty.	20 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 10/180 3.2SN OR BX	Version
Order No.	1240360000	PCB plug-in connector, male header, open side, THT solder
GTIN (EAN)	4008190094478	connection, 5.08 mm, Number of poles: 10, 180°, Solder pin length
Qty.	50 ST	(l): 3.2 mm, tinned, orange, Box

BLAC 10R OR

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Counterpart

Type	SLA 10/180 4.5SN OR BX	Version
Order No.	1349960000	PCB plug-in connector, male header, open side, THT solder
GTIN (EAN)	4008190010232	connection, 5.08 mm, Number of poles: 10, 180°, Solder pin length
Qty.	50 ST	(l): 4.5 mm, tinned, orange, Box

SLAD 90

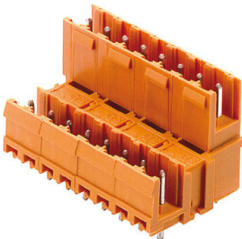


Dimensionally stable, angled, codable 2-tier male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering.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

General ordering data

Type	SLAD 20/90 3.2SN OR	Version
Order No.	1373060000	PCB plug-in connector, male header, open side, THT solder
GTIN (EAN)	4008190038892	connection, 5.08 mm, Number of poles: 20, 90°, Solder pin length (l):
Qty.	20 ST	3.2 mm, tinned, orange, Box

SLAD 180



Dimensionally stable, straight, 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 20/180 3.2SN OR	Version
Order No.	1375160000	PCB plug-in connector, male header, open side, THT solder
GTIN (EAN)	4008190093761	connection, 5.08 mm, Number of poles: 20, 180°, Solder pin length
Qty.	20 ST	(l): 3.2 mm, tinned, orange, Box

Counterpart**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 20/90 4.5SN OR	Version
Order No.	1386160000	PCB plug-in connector, male header, open side, THT solder
GTIN (EAN)	4008190165864	connection, 5.08 mm, Number of poles: 20, 90°, Solder pin length (l):
Qty.	20 ST	4.5 mm, tinned, orange, Box