

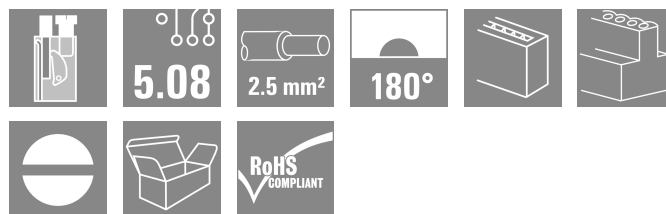
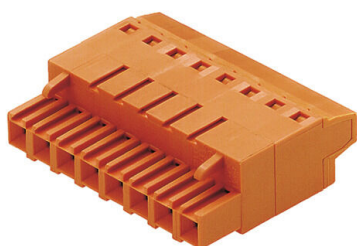
BLAT 14 SN OR**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Do not use product for
new developments****Product image**

Similar to illustration

Female connectors with TOP connection system enable the clamping screw to be tightened parallel with the wire and so result in a high connection density. Also available with dovetail (B) for convenient attachment of fixing blocks. The BLAT 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: 14, 180°, TOP connection, Clamping range, max. : 1.5 mm², Box
Order No.	1485460000
Type	BLAT 14 SN OR
GTIN (EAN)	4008190106522
Qty.	24 items
Product data	IEC: 400 V / 15 A / 0.2 - 1.5 mm² 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 18.02.2026 04:32:01 MEZ

Catalogue status / Drawings

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (UR) E60693

Dimensions and weights

Depth	31.8 mm	Depth (inches)	1.252 inch
Height	12.2 mm	Height (inches)	0.4803 inch
Width	71.12 mm	Width (inches)	2.8 inch
Net weight	38.1 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	TOP 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 mm²
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
Volume resistance	5.50 mΩ	Can be coded	Yes
Stripping length	13 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 mm²	Clamping range, max.	1.5 mm²
Wire connection cross section AWG, min.	AWG 28	Wire connection cross section AWG, max.	AWG 16
Solid, min. H05(07) V-U	0.2 mm²	Solid, max. H05(07) V-U	1.5 mm²
Flexible, min. H05(07) V-K	0.2 mm²	Flexible, max. H05(07) V-K	1.5 mm²

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Technical data

w. plastic collar ferrule, DIN 46228 pt 4, 0.2 mm ² min.		w. plastic collar ferrule, DIN 46228 pt 4, 1.5 mm ² max.	
w. wire end ferrule, DIN 46228 pt 1, min.	0.2 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	1.5 mm ²
Plug gauge in accordance with EN 60999 a x b; ø	2.4 mm x 1.5 mm ; 2.4 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)	15 A
Rated current, max. number of poles (Tu=20°C)	12.5 A	Rated current, min. number of poles (Tu=40°C)	13 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 1s with 100 A

Rated data acc. to CSA

Institute (CSA)	CSA	Certificate No. (CSA)	12400-374
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	351.00 mm
VPE width	138.00 mm	VPE height	39.00 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 • 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		

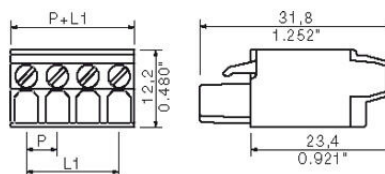
Technical data

- Wire end ferrule with plastic collar to DIN 46228/4
- 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

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		

Dimensional drawing



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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 of poles: 1
GTIN (EAN)	4008190428389	
Qty.	100 ST	

Strain reliefs



For frequent load changes: the "trailer coupling" for plug-in connectors.

The strain relief can do more than just relieve the strain on conductors:

Simply clip onto the plug and

- bundle conductors
- guide cables
- use as a connection and disconnection aid

No damage to the connecting points, clear, tidy wiring and easy to handle.

User advantages: permanent heavy-duty connections for harsh industrial environments and convenient operation ensure improved system availability.

General ordering data

Type	BLAT ZE04 OR BX	Version
Order No.	1577980000	PCB plug-in connector, Accessories, Strain relief, orange, Number of poles: 4
GTIN (EAN)	4008190078249	
Qty.	50 ST	
Type	BLAT ZE08 OR BX	Version
Order No.	1578010000	PCB plug-in connector, Accessories, Strain relief, orange, Number of poles: 8
GTIN (EAN)	4008190003753	
Qty.	50 ST	

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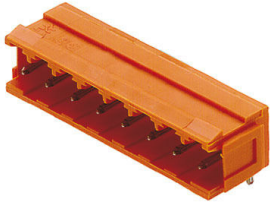
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Counterpart

SLA 90B

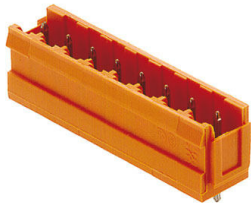


Dimensionally stable, angled, codable male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering. Supplied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

General ordering data

Type	SLA 14/90B 3.2SN OR BX	Version
Order No.	1242260000	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

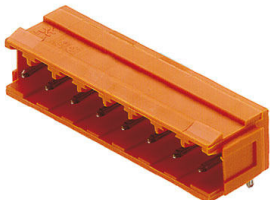


Dimensionally stable, straight, codable male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering. Supplied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

General ordering data

Type	SLA 14/180B 3.2SN OR BX	Version
Order No.	1243760000	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

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.	1352660000	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

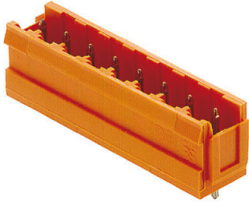
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Counterpart

SLA 180B

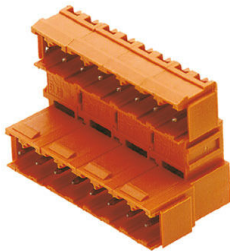


Dimensionally stable, straight, codable male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering. Supplied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

General ordering data

Type	SLA 14/180B 4.5SN OR BX	Version
Order No.	1354960000	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

SLAD 90B

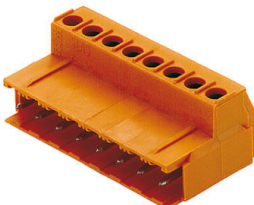


Dimensionally stable, angled, codable 2-tier male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering.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

General ordering data

Type	SLAD 28/90B 3.2SN OR	Version
Order No.	1390760000	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.	1571870000	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

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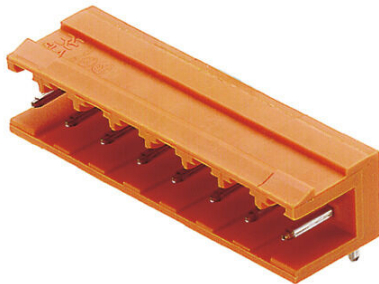
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Counterpart

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 14/90 3.2SN OR BX	Version
Order No.	1239260000	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 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.	1240760000	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

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.	1348060000	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

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Counterpart

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 4.5SN OR BX	Version
Order No.	1350360000	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	(I): 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.	1373460000	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 (I):
Qty.	10 ST	3.2 mm, tinned, orange, Box