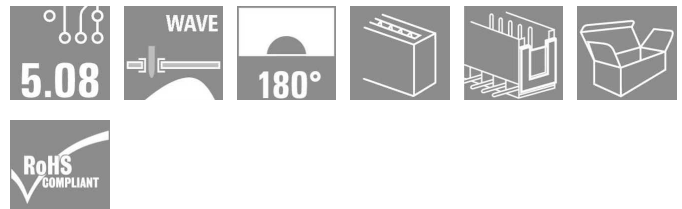


**OMNIMATE Signal - series BLA/SLA 5.08
SLA 02/180B 3.2SN OR BX**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



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.

- 400 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

General ordering data

Type	SLA 02/180B 3.2SN OR BX
Order No.	1242560000
Version	PCB plug-in connector, male header, Dovetails for fixing blocks, Solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box
GTIN (EAN)	4008190172633
Qty.	100 pc(s).
Product data	IEC: 400 V / 17.5 A UL: 300 V / 10 A
Packaging	Box

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Technical data
Dimensions and weights

Net weight 0.94 g

System parameters

Product family		Mounting onto the PCB	
Product family	OMNIMATE Signal - series BLA/SLA 5.08	Mounting onto the PCB	Solder connection
Outgoing elbow	180°	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	No. of poles	2
Solder pin length (l)	3.2 mm	Pin dimensions	d = 1.2 mm, Octagonal
Can be coded	Yes	Number of solder pins per pole	1
Solder eyelet hole diameter (D)	1.3 mm	Solder eyelet hole diameter tolerance (D)	+ 0,1 mm
L1 in mm	5.08 mm	L1 in inches	0.2 inch
Insulation resistance	10 ³ Ω	Touch-safe protection acc. to DIN VDE 57 106	Safe from back-of-hand touch


Material data

Insulating material	PBT GF	Colour	Orange
Insulating material group	IIIa	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	CuSn
Contact surface	tinned	Max. relative humidity during storage	80 %


DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)	17.5 A	Rated current, max. no. of poles (Tu=20°C)	12.5 A
Rated current, number of poles (Tu=40°C), min	16 A	Rated current, number of poles (Tu=40°C), max.	11 A
Rated voltage for surge voltage class pollution degree III/3	250 V	Rated impulse voltage for surge voltage classcontamination degree III/3	4 kV
Rated voltage for surge voltage class pollution degree III/2	320 V	Rated impulse voltage for surge voltage classpollution degree III/2	4 kV
Rated voltage for surge voltage class pollution degree II/2	400 V	Rated impulse voltage for surge voltage classpollution degree II/2	4 kV
Short-time withstand current resistance	3 x 1s with 100 A		

CSA rating data

Institute (CSA)		Rated voltage (Use group B)	300 V
Rated current (use group B)	10 A	Rated voltage (use group D)	300 V
Rated current (use group D)	10 A		

UL 1059 rating data

Institute (UR)		Rated voltage (use group B)	300 V
Rated current (use group B)	10 A	Rated voltage (use group D)	300 V
Rated current (use group D)	10 A		

Data sheet

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Technical data

Classifications

ETIM 3.0	EC001284	UNSPSC	30-21-18-10
eClass 5.1	27-26-07-04	eClass 6.2	27-26-07-04
eClass 7.1	27-44-04-02		

Notes

- Notes
- Additional colours on request
 - Gold-plated contact surfaces on request
 - Rated current related to rated cross-section & min. No. of poles.
 - 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.

Approvals

Approvals



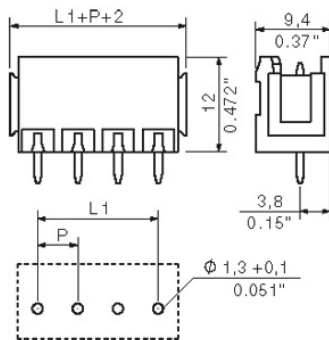
ROHS Conform

Downloads

- CAD Library (P-CAD Format - ASCII) [SLA.zip](#)
- CAD Library (P-CAD Format - Standard) [SLA.zip](#)
- [3-D model](#)

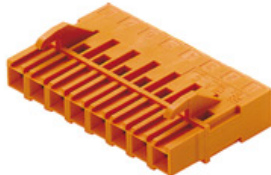
Data sheet**OMNIMATE Signal - series BLA/SLA 5.08
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Drawings

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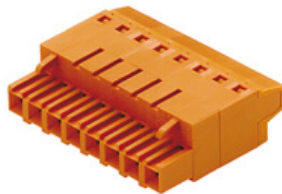
Mating connector (conditionally pluggable)
BLAC R


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

- 0.22 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 500 V (IEC) / 300 V (UL)
- 20 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLAC 2R OR	1578220000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190038014	100 pc(s).	IEC: 500 V / 20 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box

BLAT


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.

- 0.20 - 2.5mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLAT 2 SN OR	1484260000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190106713	180 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box

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Mating connector (conditionally pluggable)
BLA


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.

- 0.20 - 2.5mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLA 2 SN OR	1281760000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.32 mm ² , Box	4008190008079	180 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

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Mating connector (fully pluggable)
BLAT B


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.

- 0.20 - 2.5mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLAT 2B SN OR	1486560000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190130473	150 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box

BLA B


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.

- 0.20 - 2.5mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

General ordering data

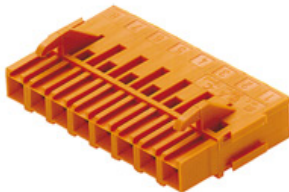
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLA 2B SN OR	1356060000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.32 mm ² , Box	4008190022877	150 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

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Mating connector (fully pluggable)

BLAC BR



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

- 0.22 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 500 V (IEC) / 300 V (UL)
- 20 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLAC 2BR OR	1578230000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190038755	100 pc(s).	IEC: 500 V / 20 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box

