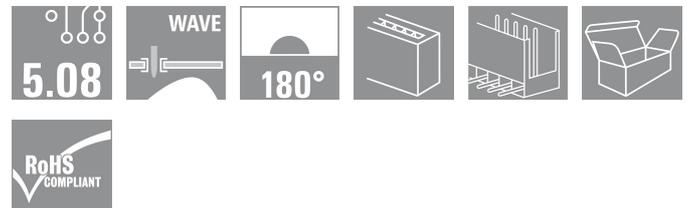


OMNIMATE Signal - series BLA/SLA 5.08 SLA 06/180 3.2SN OR BX

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

Order No.	1239960000
Type	SLA 06/180 3.2SN OR BX
Version	PCB plug-in connector, male header, open side, Solder connection, 5.08 mm, No. of poles: 6, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box
GTIN (EAN)	4008190136918
Qty.	50 pc(s).
Product data	IEC: 400 V / 17.5 A UL: 300 V / 10 A
Packaging	Box

Creation date May 27, 2013 3:34:14 AM CEST

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Technical data**Dimensions and weights**

Net weight	2.92 g
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System parameters

Product family		Mounting onto the PCB	
OMNIMATE Signal - series BLA/SLA 5.08		Solder connection	
Outgoing elbow	180°	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	No. of poles	6
Solder pin length (l)	3.2 mm	Pin dimensions	d = 1.2 mm, Octagonal
Can be coded	Yes	Number of rows	1
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	25.4 mm
L1 in inches	1 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	Continuous operating temp., min.	-25 °C
Continuous operating temp., max.	120 °C	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 class/ contamination degree III/3	4 kV
Rated voltage for surge voltage class / pollution degree III/2	320 V	Rated impulse voltage for surge voltage class/ pollution degree III/2	4 kV
Rated voltage for surge voltage class / pollution degree II/2	400 V	Rated impulse voltage for surge voltage class/ pollution 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		

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Technical data

Classifications

ETIM 3.0	EC001284	UNSPSC	30-21-18-10
eClass 4.1	27-26-07-01	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



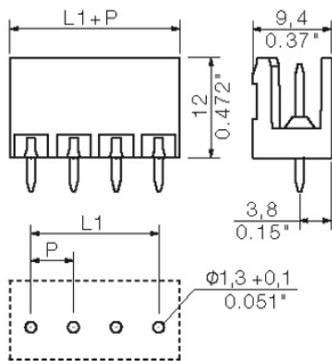
ROHS Conform

Downloads

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

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Drawings

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Mating connector (conditionally 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

Order No.	Type	Version	GTIN (EAN)	Qty.	Product data	Packaging
1486960000	BLAT 6B SN OR	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190130466	54 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box

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

Order No.	Type	Version	GTIN (EAN)	Qty.	Product data	Packaging
1479060000	BLAC 6BR OR	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190113223	50 pc(s).	IEC: 500 V / 20 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box

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Mating connector (conditionally pluggable)
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

Order No.	Type	Version	GTIN (EAN)	Qty.	Product data	Packaging
1356460000	BLA 6B SN OR	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.32 mm ² , Box	4008190183981	54 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

**OMNIMATE Signal - series BLA/SLA 5.08
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Mating connector (fully 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

Order No.	Type	Version	GTIN (EAN)	Qty.	Product data	Packaging
1478160000	BLAC 6R OR	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190002114	50 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

Order No.	Type	Version	GTIN (EAN)	Qty.	Product data	Packaging
1484660000	BLAT 6 SN OR	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	40081900091897	60 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 (fully 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

Order No.	Type	Version	GTIN (EAN)	Qty.	Product data	Packaging
1282160000	BLA 6 SN OR	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.32 mm ² , Box	4008190005962	60 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box