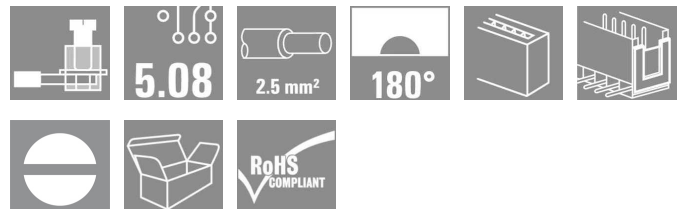


OMNIMATE Signal - series BLA/SLA 5.08 SLAS 16B RF15 SN OR

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Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



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 16B RF15 SN OR
Order No.	1845950000
Version	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 16, 180°, Screw connection, Clamping range, rated connection, max.: 3.31 mm², Box
GTIN (EAN)	4032248361977
Qty.	5 pc(s).
Product data	IEC: 400 V / 16 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12
Packaging	Box

Creation date October 27, 2013 7:17:56 PM CET

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Technical data
Dimensions and weights

Net weight 39.6 g

System parameters

Product family	OMNIMATE Signal - series BLA/SLA 5.08	Wire connection method	Screw connection
Conductor outlet direction	180°	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	No. of poles	16
Screwdriver blade	0.6 x 3.5	Screwdriver blade standard	DIN 5264
Stripping length	7 mm	L1 in mm	76.2 mm
L1 in inches	3 inch		

Material data

Insulating material	PBT GF	Colour	Orange
Colour chart (similar)	RAL 2000	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	CuSn
Contact surface	tinned		


Connectable conductors

Clamping range, rated connection, min.	0.13 mm ²	Clamping range, rated connection, max.	3.31 mm ²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 12
Solid, min. H05(07) V-U	0.2 mm ²	Solid, max. H05(07) V-U	2.5 mm ²
Flexible, min. H05(07) V-K	0.2 mm ²	Flexible, max. H05(07) V-K	1.5 mm ²
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
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm ²	w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm ²
Plug gauge acc. to EN 60999 a x b; Ø	2.4 mm x 1.5 mm		

DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)	16 A	Rated current, max. no. of poles (Tu=20°C)	15 A
Rated current, number of poles (Tu=40°C), min	14 A	Rated current, number of poles (Tu=40°C), max.	13 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

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	Wire cross-section, AWG, min.	AWG 26
Wire cross-section, AWG, max.	AWG 12		

Data sheet

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Technical data

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

Wire cross-section, AWG, min. AWG 26

Wire cross-section, AWG, max. AWG 12

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

- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule without plastic collar to DIN 46228/1
- 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.

Approvals

Approvals

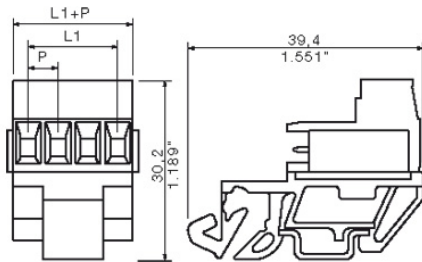


ROHS

Conform

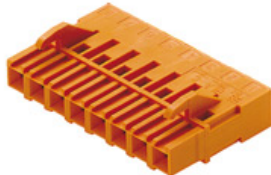
Data sheet**OMNIMATE Signal - series BLA/SLA 5.08
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Drawings

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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 16R OR	1478560000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190141936	50 pc(s).	IEC: 500 V / 20 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box

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.

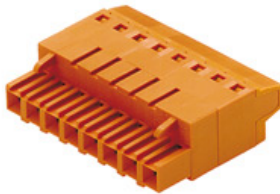
- 0.20 - 2.5mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLA 16 SN OR	1283160000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.32 mm ² , Box	4008190074128	18 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 (conditionally pluggable)
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 16 SN OR	1485660000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190020538	18 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 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 16B SN OR	1357460000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.32 mm ² , Box	4008190115883	18 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

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 16B SN OR	1487960000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190151928	18 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box

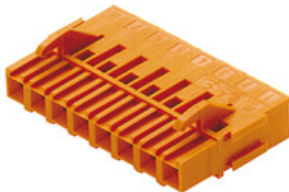
Data sheet

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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 16BR OR	1479460000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 16, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190034849	50 pc(s).	IEC: 500 V / 20 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box