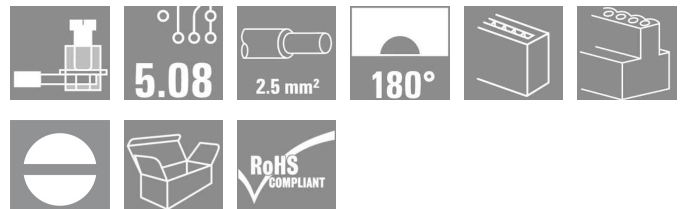


OMNIMATE Signal - series BLA/SLA 5.08

BLA 6 SN OR

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



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	BLA 6 SN OR
Order No.	1282160000
Version	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
GTIN (EAN)	4008190005962
Qty.	60 pc(s).
Product data	IEC: 400 V / 17.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12
Packaging	Box

Creation date December 9, 2013 3:14:35 PM CET

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Technical data

Dimensions and weights

Net weight	11.04 g
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System parameters

Product family	OMNIMATE Signal - series BLA/SLA 5.08	Wire connection method	Clamping yoke connection
Conductor outlet direction	180°	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	No. of poles	6
Screwdriver blade	0.6 x 3.5	Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.5 Nm
Clamping screw	M 2.5	Stripping length	7 mm
L1 in mm	25.4 mm	L1 in inches	1 inch
Touch-safe protection acc. to DIN VDE 57 106	Finger-safe unplugged/ back-of-hand-safe plugged		

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.	3.32 mm ²
Wire connection cross section AWG, min.	AWG 28	Wire connection cross section AWG, max.	AWG 16
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)	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 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 1 s with 100 A		

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Technical data**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

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

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



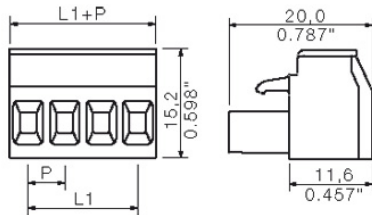
ROHS

Conform

OMNIMATE Signal - series BLA/SLA 5.08 BLA 6 SN OR

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Drawings



OMNIMATE Signal - series BLA/SLA 5.08 BLA 6 SN OR

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Mating connector (conditionally pluggable)

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.

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLAD	1388760000	PCB plug-in connector, male	4008190043742	50 pc(s).	IEC: 400 V / 10 A	Box
12/06/90B		header, Dovetails for fixing			UL: 300 V / 10 A	
3.2SN OR		blocks, Solder connection,				
		5.08 mm, No. of poles: 12,				
		90°, Solder pin 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.

- 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
SLA 06/180B	1242960000	PCB plug-in connector, male	4008190016913	50 pc(s).	IEC: 400 V / 17.5 A	Box
3.2SN OR BX		header, Dovetails for fixing			UL: 300 V / 10 A	
		blocks, Solder connection,				
		5.08 mm, No. of poles: 6,				
		180°, Solder pin length (l):				
		3.2 mm, tinned, Orange,				
		Box				

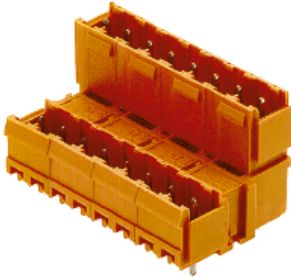
OMNIMATE Signal - series BLA/SLA 5.08

BLA 6 SN OR

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Mating connector (conditionally pluggable)

SLAD 180B



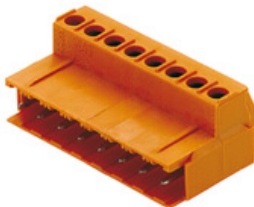
Dimensionally stable, straight, codable 2-tier male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering.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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLAD	1392960000	PCB plug-in connector, male	4008190032630	50 pc(s).	IEC: 400 V / 10 A	Box
12/6/180B		header, Dovetails for fixing blocks, Solder connection,			UL: 300 V / 10 A	
3.2SN OR		5.08 mm, No. of poles: 12, 180°, Solder pin 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.

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

General ordering data

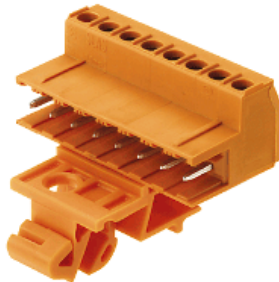
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLAS 6B SN OR	1571830000	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 6, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190182267	50 pc(s).	IEC: 400 V / 16 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

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Mating connector (conditionally pluggable)

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	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLAS 6B RF15 SN OR	1845910000	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 6, 180°, Screw connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248361939	20 pc(s).	IEC: 400 V / 16 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	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.

- 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
SLA 06/90B 3.2SN OR BX	1241460000	PCB plug-in connector, male header, Dovetails for fixing blocks, Solder connection, 5.08 mm, No. of poles: 6, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190018108	50 pc(s).	IEC: 400 V / 17.5 A UL: 300 V / 10 A	Box

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Mating connector (fully pluggable)

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.

- 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
SLA 06/90 3.2SN OR BX	1238460000	PCB plug-in connector, male header, open side, Solder connection, 5.08 mm, No. of poles: 6, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190083014	50 pc(s).	IEC: 400 V / 17.5 A UL: 300 V / 10 A	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.

- 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
SLA 06/180 3.2SN OR BX	1239960000	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	4008190136918	50 pc(s).	IEC: 400 V / 17.5 A UL: 300 V / 10 A	Box

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Mating connector (fully pluggable)

SLAD 90



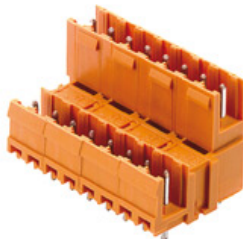
Dimensionally stable, angled, codable 2-tier male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering.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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLAD	1372660000	PCB plug-in connector, male	4008190058166	50 pc(s).	IEC: 400 V / 10 A	Box
12/06/90		header, open side, Solder connection, 5.08 mm, No. of poles: 6, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box			UL: 300 V / 10 A	
3.2SN OR						

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.

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLAD	1374760000	PCB plug-in connector, male header, open side, Solder connection, 5.08 mm, No. of poles: 12, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190185121	50 pc(s).	IEC: 400 V / 10 A	Box
12/6/180					UL: 300 V / 10 A	
3.2SN OR						

