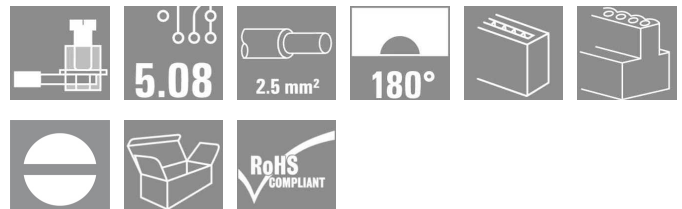


## OMNIMATE Signal - series BLA/SLA 5.08

### BLA 3 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](http://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 - 2.5mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

#### General ordering data

Type	BLA 3 SN OR
Order No.	<a href="#">1281860000</a>
Version	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 3, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.32 mm <sup>2</sup> , Box
GTIN (EAN)	4008190074630
Qty.	120 pc(s).
Product data	IEC: 400 V / 17.5 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 10 A / AWG 26 - AWG 12
Packaging	Box

Creation date December 9, 2013 4:49:39 AM CET

# OMNIMATE Signal - series BLA/SLA 5.08

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## Technical data

### Dimensions and weights

Net weight	5.5 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	3
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	10.16 mm	L1 in inches	0.4 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 <sup>2</sup>	Clamping range, rated connection, max.	3.32 mm <sup>2</sup>
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 <sup>2</sup>	Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>	Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, min.	0.2 mm <sup>2</sup>	w. wire end ferrule, DIN 46228 pt 1, max.	1.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm <sup>2</sup>	w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm <sup>2</sup>
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



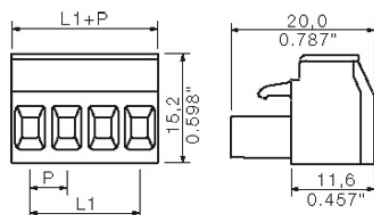
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Conform

### OMNIMATE Signal - series BLA/SLA 5.08 BLA 3 SN OR

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## Drawings



## OMNIMATE Signal - series BLA/SLA 5.08

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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 06/90B 3.2SN OR	<a href="#">1320760000</a>	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	4008190062743	50 pc(s).	IEC: 400 V / 10 A UL: 300 V / 10 A	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 03/180B 3.2SN OR BX	<a href="#">1242660000</a>	PCB plug-in connector, male header, Dovetails for fixing blocks, Solder connection, 5.08 mm, No. of poles: 3, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190130145	100 pc(s).	IEC: 400 V / 17.5 A UL: 300 V / 10 A	Box

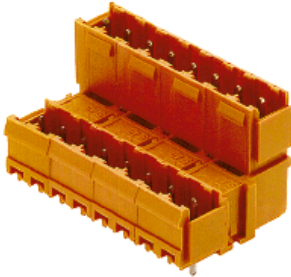
## OMNIMATE Signal - series BLA/SLA 5.08

### BLA 3 SN OR

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## Mating connector (conditionally pluggable)

### SLAD 180B



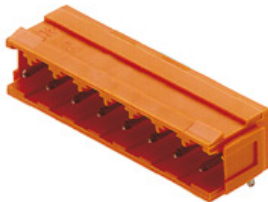
Dimensionally stable, straight, codable 2-tier male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering. 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 6/180B 3.2SN OR	<a href="#">1321560000</a>	PCB plug-in connector, male header, Dovetails for fixing blocks, Solder connection, 5.08 mm, No. of poles: 6, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190186975	50 pc(s).	IEC: 400 V / 10 A UL: 300 V / 10 A	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 03/90B 3.2SN OR BX	<a href="#">1241160000</a>	PCB plug-in connector, male header, Dovetails for fixing blocks, Solder connection, 5.08 mm, No. of poles: 3, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190039011	100 pc(s).	IEC: 400 V / 17.5 A UL: 300 V / 10 A	Box

## OMNIMATE Signal - series BLA/SLA 5.08 BLA 3 SN OR

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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 03/90 3.2SN OR BX	<a href="#">1238160000</a>	PCB plug-in connector, male header, open side, Solder connection, 5.08 mm, No. of poles: 3, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190079413	100 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 03/180 3.2SN OR BX	<a href="#">1239660000</a>	PCB plug-in connector, male header, open side, Solder connection, 5.08 mm, No. of poles: 3, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190189051	100 pc(s).	IEC: 400 V / 17.5 A UL: 300 V / 10 A	Box

## OMNIMATE Signal - series BLA/SLA 5.08

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## Mating connector (fully pluggable)

### SLAD 90



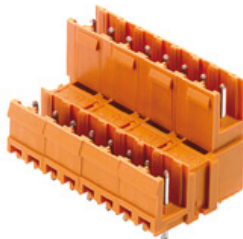
Dimensionally stable, angled, codable 2-tier male connector from the Unimate range of plugs with integral aid to prevent wrong connections. Available with open or closed sides. Fixing blocks can be attached to the closed version. The solder pin length of 3.2 mm has been optimised for wave soldering. 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 06/90 3.2SN OR	<a href="#">1320160000</a>	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	4008190149697	50 pc(s).	IEC: 400 V / 10 A UL: 300 V / 10 A	Box

### 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 6/180 3.2SN OR	<a href="#">1320960000</a>	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	4008190138714	50 pc(s).	IEC: 400 V / 10 A UL: 300 V / 10 A	Box



