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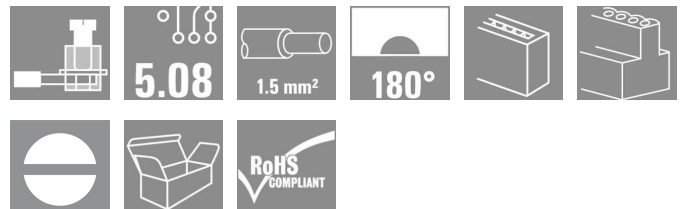
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



**OMNIMATE Signal - series BL/SL 5.08**  
**BLZ 5.08/02/180 SN BK 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

Do not use product for new  
developments



Female plugs with clamping-yoke screw for wire connection with straight (180°) outlet direction. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

**General ordering data**

Type	BLZ 5.08/02/180 SN BK BX
Order No.	<a href="#">1526410000</a>
Version	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box
GTIN (EAN)	4008190025038
Qty.	100 pc(s).
Product data	IEC: 400 V / 19 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 15 A / AWG 26 - AWG 12
Packaging	Box

Creation date October 31, 2013 6:49:15 PM CET

**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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**Technical data****Dimensions and weights**

Net weight	3.07 g
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**System parameters**

Product family	OMNIMATE Signal - series BL/SL 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	2
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	5.08 mm	L1 in inches	0.2 inch
Touch-safe protection acc. to DIN VDE 0470	IP 20	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch

**Material data**

Insulating material	PBT	Colour	Black
Colour chart (similar)	RAL 9011	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	Cu-Leg
Contact surface	tinned	Contact base material	Cu-Leg

**Connectable conductors**

Clamping range, rated connection, min.	0.13 mm <sup>2</sup>	Clamping range, rated connection, max.	3.31 mm <sup>2</sup>
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 <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	2.5 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.	2.5 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.	2.5 mm <sup>2</sup>
Plug gauge acc. to EN 60999 a x b; Ø	2.8 mm x 2.0 mm; 2.4 mm		

**DIN IEC rating data**

Rated current, min. no. of poles (Tu=20°C)	19 A	Rated current, max. no. of poles (Tu=20°C)	14.5 A
Rated current, number of poles (Tu=40°C), min	16 A	Rated current, number of poles (Tu=40°C), max.	12.5 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 1s with 120 A		

**Data sheet**

**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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**Technical data**

**CSA rating data**

Institute (CSA)



Rated voltage (Use group B)

300 V

Rated current (use group B)	15 A
Rated current (use group D)	10 A
Wire cross-section, AWG, max.	AWG 12

Rated voltage (use group D)	300 V
Wire cross-section, AWG, min.	AWG 26

**UL 1059 rating data**

Institute (UR)



Rated voltage (use group B)

300 V

Rated current (use group B)	15 A
Rated current (use group D)	10 A
Wire cross-section, AWG, max.	AWG 12

Rated voltage (use group D)	300 V
Wire cross-section, AWG, min.	AWG 26

**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
- 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

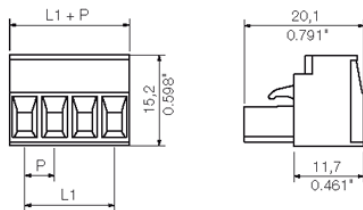


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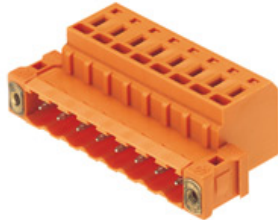
**Data sheet****OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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**Drawings**

**OMNIMATE Signal - series BL/SL 5.08  
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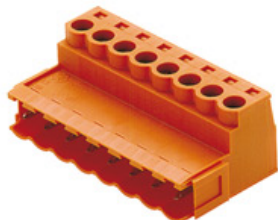
**Mating connector (conditionally pluggable)**
**SLZF 5.08/180F**


Male plugs with tension-clamp wire connection. The male plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 23 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLZF 5.08/02/180F SN OR BX	<a href="#">1846930000</a>	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4032248363100	100 pc(s).	IEC: 400 V / 23 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 15 A / AWG 26 - AWG 12	Box

**SLS 5.08/180B**


Male plugs with clamping-yoke screw wire-connect system. The male plugs provide space for labelling and can be coded.

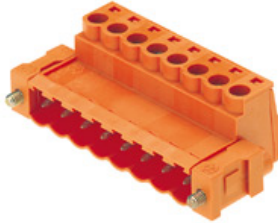
- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 21.5 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLS 5.08/02/180B SN OR BX	<a href="#">1627240000</a>	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4008190199753	100 pc(s).	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 14 A / AWG 26 - AWG 12	Box

**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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**Mating connector (conditionally pluggable)**
**SLS 5.08/180FI**


Male plugs with clamping-yoke screw wire-connect system. The male plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 21.5 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLS 5.08/02/180FI SN OR BX	<a href="#">1846210000</a>	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4032248362493	100 pc(s).	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 14 A / AWG 26 - AWG 12	Box

**SL 5.08/135B**


Male connectors with 135° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 5.08/02/135B 3.2SN OR BX	<a href="#">1605530000</a>	PCB plug-in connector, male header, Dovetails for fixing blocks, Solder connection, 5.08 mm, No. of poles: 2, 135°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190104290	100 pc(s).	IEC: 400 V / 17 A UL: 300 V / 15 A	Box

**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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**Mating connector (conditionally pluggable)**
**SLZF 5.08/180B**


Male plugs with tension-clamp wire connection. The male plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 23 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLZF 5.08/02/180B SN OR BX	<a href="#">1710210000</a>	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4008190319526	100 pc(s).	IEC: 400 V / 23 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 15 A / AWG 26 - AWG 12	Box

**SL-SMT 5.00/90LF Tape**


High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 5.00/02/90LF 1.5SN BK RL	<a href="#">1797750000</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 5.00 mm, No. of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape	4032248239757	350 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Tape



**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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**Mating connector (conditionally pluggable)**
**SLZF 5.08/270B**


Male plugs with tension-clamp wire connection. The male plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 23 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLZF 5.08/02/270B SN OR BX	<a href="#">1706140000</a>	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4032248113996	100 pc(s).	IEC: 400 V / 20.5 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 15 A / AWG 26 - AWG 12	Box

**SLS 5.08/180F**


Male plugs with clamping-yoke screw wire-connect system. The male plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 21.5 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLS 5.08/02/180F SN OR BX	<a href="#">1846360000</a>	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4032248362066	100 pc(s).	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 14 A / AWG 26 - AWG 12	Box

**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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**Mating connector (conditionally pluggable)**
**SLT 5.08B**


Male plugs with screw TOP wire connection. The male plug provides space for labelling and can be coded.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 14 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
SLT 5.08/02/180B SN OR BX	<a href="#">1611710000</a>	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm <sup>2</sup> , Box	4008190192594	100 pc(s).	IEC: 400 V / 16 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 15 A / AWG 26 - AWG 14	Box

**SL-SMT 5.08/90F Box**


High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 5.08/02/90F 3.2SN BK BX	<a href="#">1837630000</a>	PCB plug-in connector, male header, Flange, Reflow solder connection, 5.08 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248347445	100 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Box

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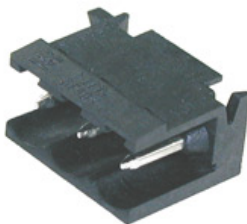
**Mating connector (conditionally pluggable)**
**SL-SMT 5.08/180LF Box**


High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 5.08/02/180LF 1.5SN BK BX	<a href="#">1776362001</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248159147	100 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Box
SL-SMT 5.08/02/180LF 3.2SN BK BX	<a href="#">1838440000</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248348503	100 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Box

**SL-SMarT 5.0x/90 Tape**


High-temperature resistant male header for side-by-side mounting. Packed in tape with 1.5 mm solder pin. Optimised for automatic assembly and suitable for reflow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 16.5 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMART 5.0X/02/90 1.5SN BK RL	<a href="#">1812430000</a>	PCB plug-in connector, male header, open side, Reflow solder connection, 5.00 mm, No. of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape	4032248294015	350 pc(s).	IEC: 400 V / 16.5 A UL: 300 V / 15 A	Tape

**OMNIMATE Signal - series BL/SL 5.08  
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**Mating connector (conditionally pluggable)**
**SL-SMT 5.08/180F Box**


High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 5.08/02/180F 3.2SN BK BX	<a href="#">1837860000</a>	PCB plug-in connector, male header, Flange, Reflow solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248347674	100 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Box
SL-SMT 5.08/02/180F 1.5SN BK BX	<a href="#">1837320000</a>	PCB plug-in connector, male header, Flange, Reflow solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248345915	100 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Box

**SLZF 5.08/180FI**


Male plugs with tension-clamp wire connection. The male plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 23 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLZF 5.08/02/180FI SN OR BX	<a href="#">1846510000</a>	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4032248362813	100 pc(s).	IEC: 400 V / 23 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 15 A / AWG 26 - AWG 12	Box

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**Mating connector (conditionally pluggable)**
**SLDV-THR 5.08/180F**


High-temperature resistant, double level, laterally offset, male connector with flange or solder flange. 1.5 mm solder pin is suitable for reflow soldering. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded.

- 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
SLDV-THR 5.08/04/180F 3.2SN BK BX	<a href="#">1828770000</a>	PCB plug-in connector, male header, Flange, Reflow solder connection, 5.08 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248335442	50 pc(s).	IEC: 400 V / 15 A UL: 300 V / 10 A	Box
SLDV-THR 5.08/04/180F 1.5SN BK BX	<a href="#">1828890000</a>	PCB plug-in connector, male header, Flange, Reflow solder connection, 5.08 mm, No. of poles: 4, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248335589	50 pc(s).	IEC: 400 V / 15 A UL: 300 V / 10 A	Box

**SLDV-THR 5.08/180FLF**


High-temperature resistant, double level, laterally offset, male connector with flange or solder flange. 1.5 mm solder pin is suitable for reflow soldering. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded.

- 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
SLDV-THR 5.08/04/180FLF 1.5SN BK BX	<a href="#">1829130000</a>	PCB plug-in connector, male header, Flange / Solder flange, Reflow solder connection, 5.08 mm, No. of poles: 4, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248335824	50 pc(s).	IEC: 400 V / 15 A UL: 300 V / 10 A	Box
SLDV-THR 5.08/04/180FLF 3.2SN BK BX	<a href="#">1829010000</a>	PCB plug-in connector, male header, Flange / Solder flange, Reflow solder connection, 5.08 mm, No. of poles: 4, 180°, Solder pin	4032248335701	50 pc(s).	IEC: 400 V / 15 A UL: 300 V / 10 A	Box

**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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Germany  
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Fax: +49 5231 14-292083  
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**Mating connector (conditionally pluggable)**

length (l): 3.2 mm, tinned,  
Black, Box

**SLZF 5.08/90B**


Male plugs with tension-clamp wire connection. The male plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 23 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLZF 5.08/02/90B SN OR BX	<a href="#">1673550000</a>	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4008190435264	100 pc(s).	IEC: 400 V / 20.5 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 15 A / AWG 26 - AWG 12	Box

**SL-SMT 5.08/90LF Tape**


High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

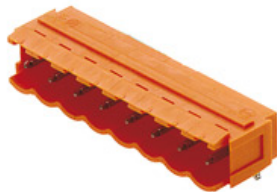
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 5.08/02/90LF 1.5 SN BK RL	<a href="#">1775234001</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 5.08 mm, No. of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape	4032248167784	350 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Tape

**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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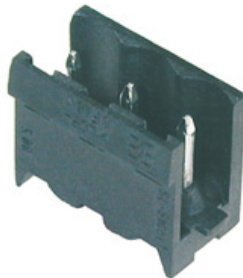
**Mating connector (conditionally pluggable)**
**SL 5.08/90B**


Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 18 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	<a href="#">1510360000</a>	PCB plug-in connector, male	4008190180188	100 pc(s).	IEC: 400 V / 18 A	Box
5.08/02/90B		header, Dovetails for fixing			UL: 300 V / 15 A	
3.2SN OR BX		blocks, Solder connection, 5.08 mm, No. of poles: 2, Solder pin length (l): 3.2 mm, tinned, Orange, Box				

**SL-SMaRT 5.0x/180 Tape**


High-temperature resistant male header for side-by-side mounting. Packed in tape with 1.5 mm solder pin. Optimised for automatic assembly and suitable for reflow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 16.5 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMART	<a href="#">1812450000</a>	PCB plug-in connector, male	4032248294039	270 pc(s).	IEC: 400 V / 16.5 A	Tape
5.0X/02/180		header, open side, Reflow			UL: 300 V / 15 A	
1.5SN BK RL		solder connection, 5.00 mm, No. of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Tape				

**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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**Mating connector (conditionally pluggable)**
**SL 5.00/90B**


Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 18 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	<a href="#">1580860000</a>	PCB plug-in connector, male	4008190054489	100 pc(s).	IEC: 400 V / 18 A	Box
5.00/02/90B		header, Dovetails for fixing			UL: 300 V / 15 A	
3.2SN OR BX		blocks, Solder connection, 5.00 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box				

**SL-SMT 5.08/180LF Tape**


High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	<a href="#">1776364001</a>	PCB plug-in connector,	4032248163472	250 pc(s).	IEC: 400 V / 19 A	Tape
5.08/02/180LF		male header, Solder flange,			UL: 300 V / 15 A	
1.5 SN BK RL		Reflow solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Tape				



**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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**Mating connector (conditionally pluggable)**
**SL-SMT 5.08/90LF Box**


High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 5.08/02/90LF 3.2SN BK BX	<a href="#">1780410000</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 5.08 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248165735	100 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Box
SL-SMT 5.08/02/90LF 1.5SN BK BX	<a href="#">1775232001</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 5.08 mm, No. of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248157211	100 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Box

**SL 5.08/180B**


Male connectors with straight outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 18 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 5.08/02/180B 3.2SN OR BX	<a href="#">1519560000</a>	PCB plug-in connector, male header, Dovetails for fixing blocks, Solder connection, 5.08 mm, No. of poles: 2, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190083892	100 pc(s).	IEC: 400 V / 18 A UL: 300 V / 15 A	Box

**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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**Mating connector (conditionally pluggable)**

**SL-SMT 5.00/90LF Box**



High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 5.00/02/90LF 3.2SN BK BX	<a href="#">1840350000</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 5.00 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248351091	100 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Box
SL-SMT 5.00/02/90LF 1.5SN BK BX	<a href="#">1797230000</a>	PCB plug-in connector, male header, Solder flange, Reflow solder connection, 5.00 mm, No. of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248238019	100 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Box

**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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**Mating connector (fully pluggable)**
**SL-SMT 5.08/180 Box**


High-temperature-resistant, straight, open ended male header. Packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 5.08/02/180 3.2SN BK BX	<a href="#">1837980000</a>	PCB plug-in connector, male header, open side, Reflow solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248348046	100 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Box
SL-SMT 5.08/02/180 1.5SN BK BX	<a href="#">1775522001</a>	PCB plug-in connector, male header, open side, Reflow solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248157549	100 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Box

**SL 5.08/180**


Male connectors with straight outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 18 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 5.08/02/180 3.2SN OR BX	<a href="#">1517260000</a>	PCB plug-in connector, male header, open side, Solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190034795	100 pc(s).	IEC: 400 V / 18 A UL: 300 V / 15 A	Box

**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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**Mating connector (fully pluggable)**
**SLD 5.08/90G**


2-tier male header with parallel pin arrangement. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

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

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD	<a href="#">1601790000</a>	PCB plug-in connector, male	4008190055752	50 pc(s).	IEC: 400 V / 11 A	Box
5.08/04/90G		header, closed side, Solder connection, 5.08 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned,			UL: 300 V / 10 A	
3.2SN OR BX		Orange, Box				

**SL-SMT 5.08/180 Tape**


High-temperature-resistant, straight, open ended male header. Packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	<a href="#">1821100000</a>	PCB plug-in connector, male	4032248319749	250 pc(s).	IEC: 400 V / 19 A	Tape
5.08/02/180		header, open side, Reflow solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Tape			UL: 300 V / 15 A	
1.5 SN BK RL						

**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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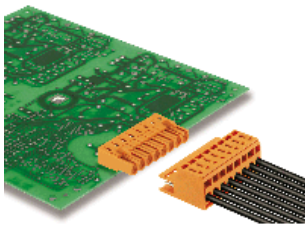
**Mating connector (fully pluggable)**
**SL-SMT 5.08/90G Tape**


High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	<a href="#">1821140000</a>	PCB plug-in connector, male	4032248319787	350 pc(s).	IEC: 400 V / 19 A	Tape
5.08/02/90G		header, closed side, Reflow			UL: 300 V / 15 A	
1.5 SN BK RL		solder connection, 5.08 mm, No. of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape				

**SLZF 5.08/180**


Male plugs with tension-clamp wire connection. The male plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm<sup>2</sup> (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 23 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLZF	<a href="#">1709370000</a>	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4008190390150	100 pc(s).	IEC: 400 V / 23 A / 0.2 - 2.5 mm <sup>2</sup>	Box
5.08/02/180					UL: 300 V / 15 A / AWG 26 - AWG 12	
SN OR BX						
SLZF	<a href="#">1709600000</a>	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4008190318901	100 pc(s).	IEC: 400 V / 23 A / 0.2 - 2.5 mm <sup>2</sup>	Box
5.08/02/180					UL: 300 V / 15 A / AWG 26 - AWG 12	
SN BK BX						

**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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**Mating connector (fully pluggable)**
**SL 5.08/135**


Male connectors with 135° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	<a href="#">1603060000</a>	PCB plug-in connector, male	4008190095512	100 pc(s).	IEC: 400 V / 17 A	Box
5.08/02/135		header, open side, Solder connection, 5.08 mm, No. of poles: 2, 135°, Solder pin length (l): 3.2 mm, tinned,			UL: 300 V / 15 A	
3.2SN OR BX		Orange, Box				

**SL 5.08/90**


Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 18 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	<a href="#">1508060000</a>	PCB plug-in connector, male	4008190189006	100 pc(s).	IEC: 400 V / 18 A	Box
5.08/02/90		header, open side, Solder connection, 5.08 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned,			UL: 300 V / 15 A	
3.2SN OR BX		Orange, Box				

**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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**Mating connector (fully pluggable)**
**SL-SMT 5.08/180G Tape**


High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	<a href="#">1820170000</a>	PCB plug-in connector, male	4032248315680	250 pc(s).	IEC: 400 V / 19 A	Tape
5.08/02/180G		header, closed side, Reflow			UL: 300 V / 15 A	
1.5 SN BK RL		solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Tape				

**SL-SMT 5.08/90 Tape**


High-temperature-resistant, 90° angled, open male header Packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	<a href="#">1821160000</a>	PCB plug-in connector, male	4032248319800	350 pc(s).	IEC: 400 V / 19 A	Tape
5.08/02/90		header, open side, Reflow			UL: 300 V / 15 A	
1.5 SN BK RL		solder connection, 5.08 mm, No. of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Tape				

**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

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**Mating connector (fully pluggable)**
**SL 5.00/90**


Male connectors with 90° outlet direction. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 18 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 5.00/02/90 3.2SN OR BX	<a href="#">1571130000</a>	PCB plug-in connector, male header, open side, Solder connection, 5.00 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190156121	100 pc(s).	IEC: 400 V / 18 A UL: 300 V / 15 A	Box
SL 5.00/02/90 4.5SN BK BX	<a href="#">1625990000</a>	PCB plug-in connector, male header, open side, Solder connection, 5.00 mm, No. of poles: 2, 90°, Solder pin length (l): 4.5 mm, tinned, Black, Box	4008190197292	100 pc(s).	IEC: 400 V / 18 A UL: 300 V / 15 A	Box

**SL-SMT 5.08/90 Box**


High-temperature-resistant, 90° angled, open male header  
Packed in box or tape. In tape with 1.5 mm solder pin  
optimised for automatic assembly. 3.2 mm solder pin  
suitable for reflow and wave soldering. These male  
connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 5.08/02/90 3.2SN BK BX	<a href="#">1779950000</a>	PCB plug-in connector, male header, open side, Reflow solder connection, 5.08 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248165278	100 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Box
SL-SMT 5.08/02/90 1.5SN BK BX	<a href="#">1774762001</a>	PCB plug-in connector, male header, open side, Reflow solder connection, 5.08 mm, No. of poles: 2, 90°	4032248155699	100 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Box



## OMNIMATE Signal - series BL/SL 5.08 BLZ 5.08/02/180 SN BK BX

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### Mating connector (fully pluggable)

Solder pin length (l): 1.5 mm, tinned, Black, Box

#### SLD 5.08/180G



2-tier male header with parallel pin arrangement. The solder pin length is optimised for wave flow soldering. The pin headers provide space for labelling and can be coded.

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

#### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD	<a href="#">1602390000</a>	PCB plug-in connector, male	4008190180539	50 pc(s).	IEC: 400 V / 11 A	Box
5.08/04/180G		header, closed side, Solder connection, 5.08 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box			UL: 300 V / 10 A	
3.2SN OR BX						

#### SL-SMT 5.08/90G Box



High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

#### General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	<a href="#">1775002001</a>	PCB plug-in connector, male	4032248156023	100 pc(s).	IEC: 400 V / 19 A	Box
5.08/02/90G		header, closed side, Reflow solder connection, 5.08 mm, No. of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box			UL: 300 V / 15 A	
1.5SN BK BX						
SL-SMT	<a href="#">1780180000</a>	PCB plug-in connector, male	4032248165506	100 pc(s).	IEC: 400 V / 19 A	Box
5.08/02/90G		header, closed side, Reflow solder connection, 5.08 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box			UL: 300 V / 15 A	
3.2SN BK BX						

**OMNIMATE Signal - series BL/SL 5.08  
BLZ 5.08/02/180 SN BK BX**

**Weidmüller Interface GmbH & Co. KG**  
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Fon: +49 5231 14-0  
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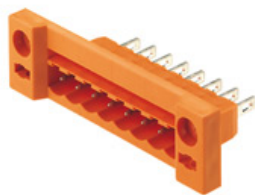
**Mating connector (fully pluggable)**
**SL-SMT 5.08/180G Box**


High-temperature-resistant male header, packed in box or tape. In tape with 1.5 mm solder pin optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 5.08/02/180G 3.2SN BK BX	<a href="#">1838210000</a>	PCB plug-in connector, male header, closed side, Reflow solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248348275	100 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Box
SL-SMT 5.08/02/180G 1.5SN BK BX	<a href="#">1775922001</a>	PCB plug-in connector, male header, closed side, Reflow solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248158911	100 pc(s).	IEC: 400 V / 19 A UL: 300 V / 15 A	Box

**SLDF 5.08**


Male connector for through-panel mounting with optional locking function. Internal connection as flat-blade or solder connection. These male connectors provide space for labelling and can be coded.

- 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
SLDF 5.08 L/F 2 SN OR BX	<a href="#">1599130000</a>	PCB plug-in connector, male header, 5.08 mm, No. of poles: 2, 180°, Flat- blade connection, Solder connection, Box	4008190175931	100 pc(s).	IEC: 400 V / 15 A UL: 300 V / 10 A	Box
SLDF 5.08 L/F 2 SN BK BX	<a href="#">1635740000</a>	PCB plug-in connector, male header, 5.08 mm, No. of poles: 2, 180°, Flat- blade connection, Solder connection, Box	4008190264161	100 pc(s).	IEC: 400 V / 15 A UL: 300 V / 10 A	Box