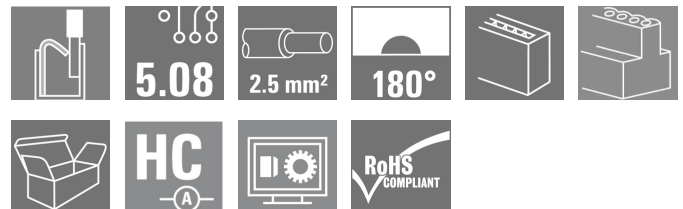


OMNIMATE Signal - series BL/SL 5.08

BLF 5.08HC/02/180 SN BK BX

Weidmüller Interface GmbH & Co. KG
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Just as reliable as the millionfold proven original and featuring innovative details:

The BLF 5.08HC PUSH IN version of the BLZP 5.08HC female connector is not only different in terms of connection system; it also has a more compact design. Weidmüller's innovative PUSH IN spring connection system stands for the future of easy and tool-free wire connection. HC = High Current.

In terms of versatility, the BLF 5.08HC offers just as much as the version which served as a model:

- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user
- Use the BLF 5.08HC and SL 5.08HC plug combination to reach the max. rated specifications

General ordering data

Type	BLF 5.08HC/02/180 SN BK BX
Order No.	1013430000
Version	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 2, 180°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm², Box
GTIN (EAN)	4032248721580
Qty.	180 pc(s).
Product data	IEC: 400 V / 24 A / 0.2 - 2.5 mm² UL: 300 V / 18.5 A / AWG 26 - AWG 12
Packaging	Box

OMNIMATE Signal - series BL/SL 5.08

BLF 5.08HC/02/180 SN BK BX

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Technical data

Dimensions and weights

Net weight	3.602 g
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System parameters

Product family	OMNIMATE Signal - series BL/SL 5.08	Type of connection	PUSH IN
Wire connection method	PUSH IN	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	Conductor outlet direction	180°
No. of poles	2	L1 in mm	5.08 mm
L1 in inches	0.2 inch	Number of rows	1
Pin series quantity	1	Rated cross-section	2.5 mm ²
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch	Touch-safe protection acc. to DIN VDE 0470	IP 20
Volume resistance	4.50 mΩ	Can be coded	Yes
Stripping length	10 mm	Screwdriver blade	0.6 x 3.5
Screwdriver blade standard	DIN 5264	Plugging cycles	25
push-in force/pole	7 N	Withdrawal force per pole	7 N
Packaging	Box		

Material data

Insulating material	PBT	Colour	Black
Colour chart (similar)	RAL 9011	Insulating material group	IIIa
CTI	≥ 200	Insulation resistance	≥ 10 ⁸ Ω
UL 94 flammability rating	V-0	Contact material	CuSn
Contact surface	tinned	Layer structure of plug contact	4-8 μm Sn hot-dip tinned
Storage temperature, min.	-25 °C	Storage temperature, max.	55 °C
Max. relative humidity during storage	80 %	Operating temperature, min.	-50 °C
Operating temperature, max.	100 °C	Temperature range, installation, min.	-30 °C
Temperature range, installation, max.	100 °C		

Conductors suitable for connection

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	2.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm ²	w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm ²
w. wire end ferrule, DIN 46228 pt 1, min.	0.25 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	2.5 mm ²
Plug gauge acc. to EN 60999 a x b; Ø	2.8 mm x 2.0 mm		

OMNIMATE Signal - series BL/SL 5.08
BLF 5.08HC/02/180 SN BK BX

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Technical data
Rated data acc. to IEC

tested acc. to standard

IEC 60664-1, IEC 61984

Rated current, max. no. of poles (Ta = 20°C)	19 A	Rated current, min. no. of poles (Ta = 20°C)	24 A
Rated current, max. no. of poles (Ta = 40°C)	16.5 A	Rated current, min. no. of poles (Ta = 40°C)	21 A
Rated voltage for surge voltage class / pollution degree III/2	320 V	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	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 impulse voltage for surge voltage class/ pollution degree III/2	4 kV
		Short-time withstand current resistance	3 x 1s with 120 A

Rated data acc. to CSA

Institute (CSA)



Certificate No. (CSA)

200039-1121690

Rated voltage (Use group B)	300 V	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	Reference to approval values	Specifications are maximum values, details - see approval certificate.

Rated data acc. to UL 1059

Institute (cURus)



Certificate No. (cURus)

E60693

Rated voltage (use group B)	300 V	Rated voltage (use group D)	300 V
Rated current (use group B)	18.5 A	Rated current (use group D)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 12
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Classifications

ETIM 4.0	EC002637	ETIM 5.0	EC002637
ETIM 6.0	EC002637	eClass 6.2	27-26-07-04
eClass 7.1	27-44-04-02	eClass 8.1	27-44-04-02
eClass 9.0	27-44-04-02	eClass 9.1	27-44-04-02

OMNIMATE Signal - series BL/SL 5.08 BLF 5.08HC/02/180 SN BK BX

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Technical data

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

IPC conformity

The products are developed, manufactured and delivered according to the internationally recognised IPC-A-610 standard, category "permissible". More extensive demands on the products can be evaluated on request.

Approvals

Approvals



ROHS

Conform

Downloads

Approval/Certificate/Document of
Conformity
[Declaration of the Manufacturer](#)

Brochure/Catalogue

[FL DRIVES EN](#)
[MB DEVICE MANUF. EN](#)
[FL DRIVES DE](#)
[CAT 2 PORTFOLIOGUIDE EN](#)
[FL BUILDING SAFETY EN](#)
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[FL ELEVATOR EN](#)
[FL POWER SUPPLY EN](#)
[FL 72H SAMPLE SER EN](#)
[PO OMNIMATE EN](#)

Engineering Data

[WSCAD](#)

White Paper wire connection

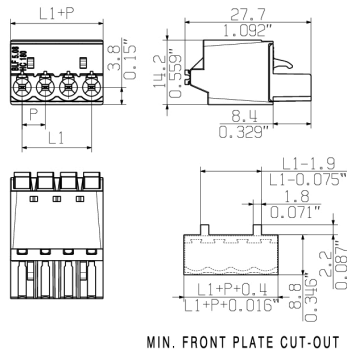
[Download Whitepaper](#)

OMNIMATE Signal - series BL/SL 5.08 BLF 5.08HC/02/180 SN BK BX

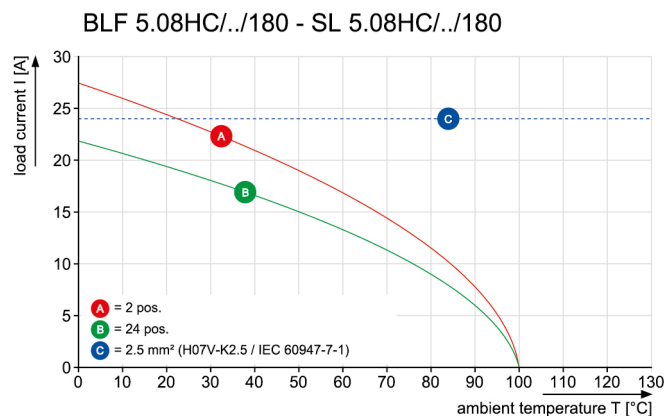
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Drawings

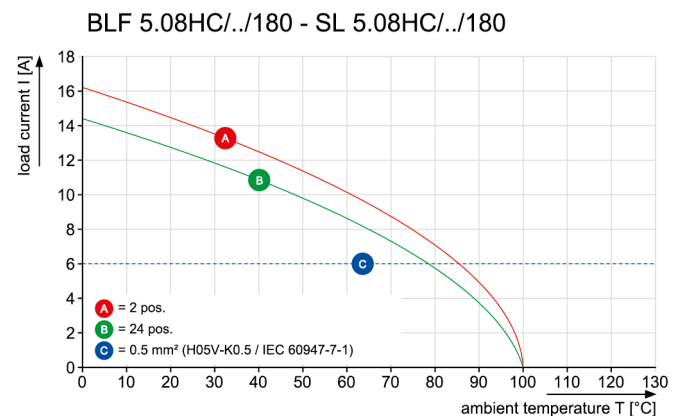
Dimensional drawing



Graph



Graph



OMNIMATE Signal - series BL/SL 5.08 BLF 5.08HC/02/180 SN BK BX

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Mating connector (fully pluggable)

SL-SMT 5.08/180G Tape



High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1820170000	PCB plug-in connector, male	4032248315680	250 pc(s).	IEC: 400 V / 27.5 A	Tape
5.08HC/02/180G		header, closed side, THT/			UL: 300 V / 18.5 A	(Ø
1.5SN BK RL		THR solder connection,				330
		5.08 mm, No. of poles: 2,				mm);
		180°, Solder pin length (l):				Rs
		1.5 mm, tinned, Black, Tape				=
		(Ø 330 mm); Rs = 10 ⁹ -				10 ⁹
		10 ¹² Ω				-
						10 ¹²
						Ω

SL-SMT 5.08HC/90G Tape



High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1821140000	PCB plug-in connector, male	4032248319787	350 pc(s).	IEC: 400 V / 27.5 A	Tape
5.08HC/02/90G		header, closed side, THT/			UL: 300 V / 18.5 A	(Ø
1.5SN BK RL		THR solder connection,				330
		5.08 mm, No. of poles: 2,				mm);
		90°, Solder pin length (l):				Rs
		1.5 mm, tinned, Black, Tape				=
		(Ø 330 mm); Rs = 10 ⁹ -				10 ⁹
		10 ¹² Ω				-
						10 ¹²
						Ω

OMNIMATE Signal - series BL/SL 5.08 BLF 5.08HC/02/180 SN BK BX

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Mating connector (fully pluggable)

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.

General ordering data

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	SL 5.08/02/180 3.2SN OR BX	1517260000	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190034795	100 pc(s).

SLDV 5.08/90



Pin headers with solder pin length optimised for wave flow soldering. The male connectors provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD 5.08V/04/90 3.2 SN OR BX	1725170000	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4032248060573	50 pc(s).	IEC: 400 V / 17 A UL: 300 V / 10 A	Box

OMNIMATE Signal - series BL/SL 5.08

BLF 5.08HC/02/180 SN BK BX

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Mating connector (fully pluggable)

SL-SMT 5.08/270GH Tape



High-temperature-resistant, straight, open pin header.
 Packed in box or tape. On tape and with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1877560000	PCB plug-in connector, male	4032248468188	335 pc(s).	IEC: 400 V / 27.5 A	Tape
5.08HC/02/270GH		header, closed side, THT/			UL: 300 V / 18.5 A	(Ø
1.5SN BK RL		THR solder connection,				330
		5.08 mm, No. of poles: 2,				mm);
		270°, Solder pin length (l):				Rs
		1.5 mm, tinned, Black, Tape				=
		(Ø 330 mm); Rs = 10 ⁹ -				10 ⁹
		10 ¹² Ω				-
						10 ¹²
						Ω
SL-SMT	1877810000	PCB plug-in connector, male	4032248468461	335 pc(s).	IEC: 400 V / 27.5 A	Tape
5.08HC/02/270GH		header, closed side, THT/			UL: 300 V / 18.5 A	(Ø
3.2SN BK RL		THR solder connection,				330
		5.08 mm, No. of poles: 2,				mm);
		270°, Solder pin length (l):				Rs
		3.2 mm, tinned, Black, Tape				=
		(Ø 330 mm); Rs = 10 ⁹ -				10 ⁹
		10 ¹² Ω				-
						10 ¹²
						Ω

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.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	1605530000	PCB plug-in connector,	4008190104290	100 pc(s).	IEC: 400 V / 17 A	Box
5.08/02/135B		male header, Dovetails for			UL: 300 V / 15 A	
3.2SN OR BX		fixing blocks, THT solder				

OMNIMATE Signal - series BL/SL 5.08 BLF 5.08HC/02/180 SN BK BX

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Mating connector (fully pluggable)

connection, 5.08 mm, No.
of poles: 2, 135°, Solder pin
length (l): 3.2 mm, tinned,
Orange, Box

SL 5.08HC/180G



Pin headers in glass-fibre-reinforced plastic with straight wire outlet; optimised for wave soldering. The flange variant (F) can be screwed onto the respective counter piece or the circuit board. There is no need for an extra screw to connect the circuit board when the solder flange (LF) version is used. This also protects the solder points from mechanical strain. All pin headers can be manually coded or ordered pre-coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 5.08HC/02/180G 3.2SN BK BX	1148630000	PCB plug-in connector, male header, closed side, THT solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248934409	100 pc(s).	IEC: 400 V / 24 A UL: 300 V / 18.5 A	Box
SL 5.08HC/02/180G 3.2SN OR BX	1146730000	PCB plug-in connector, male header, closed side, THT solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4032248108688	100 pc(s).	IEC: 400 V / 24 A UL: 300 V / 18.5 A	Box

SL 5.08HC/90



Pin headers made from glass-fibre-reinforced plastic with 90° wire outlet; optimised for wave soldering. The flange variant (F) can be screwed onto the respective counter piece or the circuit board. There is no need for an extra screw to connect the circuit board when the solder flange (LF) version is used. This also protects the solder points from mechanical strain. All pin headers can be manually coded or ordered pre-coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 5.08HC/02/90 3.2SN OR BX	1146720000	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4050118051506	100 pc(s).	IEC: 400 V / 24 A UL: 300 V / 18.5 A	Box

OMNIMATE Signal - series BL/SL 5.08 BLF 5.08HC/02/180 SN BK BX

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Mating connector (fully pluggable)

SL	1155030000	PCB plug-in connector, male	4050118050813 100 pc(s).	IEC: 400 V / 24 A	Box
5.08HC/02/90		header, open side, THT		UL: 300 V / 18.5 A	
3.2SN BK BX		solder connection, 5.08 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box			

SL-SMT 5.08/270GL Tape



High-temperature-resistant, straight, open pin header. Packed in box or tape. On tape and with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
Discontinued	2014-05-20T00:00:00+02:00	SL-SMT 5.08/02/270GL 3.2SN BK RL	1877880000	PCB plug-in connector, male header, closed side, THT/THR solder connection, 5.08 mm, No. of poles: 2, 270°, Solder pin length (l): 3.2 mm, tinned, Black, Tape (Ø 330 mm); Rs = 10 ⁹ - 10 ¹² Ω	4032248468553	350 pc(s).
SL-SMT	1877740000	PCB plug-in connector, male	4032248467891	350 pc(s).	IEC: 400 V / 27.5 A UL: 300 V / 18.5 A	Tape (Ø 330 mm); Rs = 10 ⁹ - 10 ¹² Ω
5.08HC/02/270GL		header, closed side, THT/ THR solder connection, 5.08 mm, No. of poles: 2, 270°, Solder pin length (l): 1.5 mm, tinned, Black, Tape (Ø 330 mm); Rs = 10 ⁹ - 10 ¹² Ω				

OMNIMATE Signal - series BL/SL 5.08 BLF 5.08HC/02/180 SN BK BX

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Mating connector (fully pluggable)

SLS 5.08/180 SN



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLS 5.08/02/180 SN OR BX	1627090000	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190199609 180 pc(s).		IEC: 400 V / 21.5 A / 0.2 - 2.5 mm² UL: 300 V / 14 A / AWG 26 - AWG 12	Box

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.

General ordering data

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	SL 5.08/02/90B 3.2SN BK BX	1510310000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, No. of poles: 2, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4008190477684	100 pc(s).
This article will no longer be available in the future.	SL 5.08/02/90B 3.2SN OR BX	1510360000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, No. of poles: 2, 90°, Solder pin	4008190180188	100 pc(s).

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Mating connector (fully pluggable)

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

SLF 5.08/180 SN



Male plug with PUSH IN wire connection and straight outlet direction, when used with BLF 5.08HC as wire-to-wire application for panel feed-through. The male plugs provide space for labelling and can be coded.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLF 5.08/02/180 SN OR BX	1335330000	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 180°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm ² , Box	4050118138559	180 pc(s).	IEC: 400 V / 25.9 A / 0.2 - 2.5 mm ² UL: 300 V / 14 A / AWG 26 - AWG 12	Box
SLF 5.08/02/180 SN BK BX	1335560000	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 180°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm ² , Box	4050118138740	180 pc(s).	IEC: 400 V / 25.9 A / 0.2 - 2.5 mm ² UL: 300 V / 14 A / AWG 26 - AWG 12	Box

SL 5.08HC/180B



Pin headers in glass-fibre-reinforced plastic with straight wire outlet; optimised for wave soldering. The flange variant (F) can be screwed onto the respective counter piece or the circuit board. There is no need for an extra screw to connect the circuit board when the solder flange (LF) version is used. This also protects the solder points from mechanical strain. All pin headers can be manually coded or ordered pre-coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL 5.08HC/02/180B 3.2SN BK BX	1149400000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248934669	100 pc(s).	IEC: 400 V / 24 A UL: 300 V / 18.5 A	Box

OMNIMATE Signal - series BL/SL 5.08

BLF 5.08HC/02/180 SN BK BX

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Mating connector (fully pluggable)

SL	1147300000	PCB plug-in connector,	4032248933839 100 pc(s).	IEC: 400 V / 24 A	Box
5.08HC/02/180B		male header, Dovetails for		UL: 300 V / 18.5 A	
3.2SN OR BX		fixing blocks, THT solder			
		connection, 5.08 mm, No.			
		of poles: 2, 180°, Solder pin			
		length (l): 3.2 mm, tinned,			
		Orange, Box			

SL 5.08HC/90B

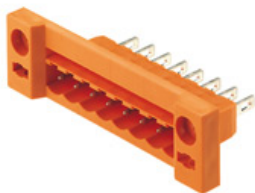


Pin headers made from glass-fibre-reinforced plastic with 90° wire outlet; optimised for wave soldering. The flange variant (F) can be screwed onto the respective counter piece or the circuit board. There is no need for an extra screw to connect the circuit board when the solder flange (LF) version is used. This also protects the solder points from mechanical strain. All pin headers can be manually coded or ordered pre-coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	1155580000	PCB plug-in connector,	4050118050356 100 pc(s).		IEC: 400 V / 24 A	Box
5.08HC/02/90B		male header, Dovetails for			UL: 300 V / 18.5 A	
3.2SN BK BX		fixing blocks, THT solder				
		connection, 5.08 mm, No.				
		of poles: 2, 90°, Solder pin				
		length (l): 3.2 mm, tinned,				
		Black, Box				
SL	1148030000	PCB plug-in connector,	4050118051049 100 pc(s).		IEC: 400 V / 24 A	Box
5.08HC/02/90B		male header, Dovetails for			UL: 300 V / 18.5 A	
3.2SN OR BX		fixing blocks, THT solder				
		connection, 5.08 mm, No.				
		of poles: 2, 90°, Solder pin				
		length (l): 3.2 mm, tinned,				
		Orange, 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.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLDF 5.08 L/F	1635740000	PCB plug-in connector,	4008190264161 100 pc(s).		IEC: 400 V / 15 A	Box
2 SN BK BX		male header, 5.08 mm,			UL: 300 V / 10 A	

OMNIMATE Signal - series BL/SL 5.08

BLF 5.08HC/02/180 SN BK BX

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Mating connector (fully pluggable)

	No. of poles: 2, 180°, Flat-blade connection, Solder connection, Box			
SLDF 5.08 L/F 1599130000 2 SN OR BX	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

SLF 5.08/180B SN



Male plug with PUSH IN wire connection and straight outlet direction, when used with BLF 5.08HC as wire-to-wire application for panel feed-through. The male plugs provide space for labelling and can be coded.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLF 5.08/02/180B SN BK BX	1335770000	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 180°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm ² , Box	4050118140590 150 pc(s).		IEC: 400 V / 25.9 A / 0.2 - 2.5 mm ² UL: 300 V / 14 A / AWG 26 - AWG 12	Box
SLF 5.08/02/180B SN OR BX	1335440000	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 180°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm ² , Box	4050118138832 150 pc(s).		IEC: 400 V / 25.9 A / 0.2 - 2.5 mm ² UL: 300 V / 14 A / AWG 26 - AWG 12	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.

General ordering data

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will 2019-12-31T00:00:00+01:00 no longer be	SL 5.08/02/90 3.2SN OR BX	1508060000	PCB plug-in connector, male header, open	4008190189006	100 pc(s).

OMNIMATE Signal - series BL/SL 5.08 BLF 5.08HC/02/180 SN BK BX

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Mating connector (fully pluggable)

available in the
future.

side, THT solder
connection, 5.08
mm, No. of poles:
2, 90°, Solder pin
length (l): 3.2 mm,
tinned, Orange,
Box

SL-SMT 5.08/180G Box

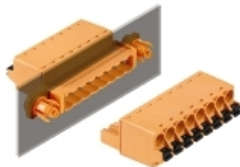


High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT 5.08HC/02/180G 3.2SN BK BX	1838210000	PCB plug-in connector, male header, closed side, THT/ THR 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 / 27.5 A UL: 300 V / 18.5 A	Box
SL-SMT 5.08HC/02/180G 1.5SN BK BX	1775922001	PCB plug-in connector, male header, closed side, THT/ THR 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 / 27.5 A UL: 300 V / 18.5 A	Box

SLF 5.08/180DF SN



Male plug with PUSH IN wire connection and straight outlet direction, when used with BLF 5.08HC as wire-to-wire application for panel feed-through. The male plugs provide space for labelling and can be coded.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLF 5.08/02/180DF SN OR BX	1353580000	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 180°, PUSH IN, Clamping range, rated	4050118156430	54 pc(s).	IEC: 400 V / 25.9 A / 0.2 - 2.5 mm ² UL: 300 V / 14 A / AWG 26 - AWG 12	Box

Creation date November 18, 2017 2:46:36 AM CET

OMNIMATE Signal - series BL/SL 5.08

BLF 5.08HC/02/180 SN BK BX

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Mating connector (fully pluggable)

connection, max.: 3.31
 mm², 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.

General ordering data

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	SL 5.08/02/180B 3.2SN OR BX	1519560000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (!): 3.2 mm, tinned, Orange, Box	4008190083892	100 pc(s).

SLT 5.08B



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLT 5.08/02/180B SN OR BX	1611710000	PCB plug-in connector, male plug, 5.08 mm, No. of poles: 2, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190192594	100 pc(s).	IEC: 400 V / 16 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 14	Box

OMNIMATE Signal - series BL/SL 5.08 BLF 5.08HC/02/180 SN BK BX

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Mating connector (fully pluggable)

SL-SMT 5.08/270GL Box



High-temperature-resistant, straight, open pin header. Packed in box or tape. On tape and with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1877100000	PCB plug-in connector, male	4032248467570	100 pc(s).	IEC: 400 V / 27.5 A	Box
5.08HC/02/270GL		header, closed side, THT/			UL: 300 V / 18.5 A	
1.5SN BK BX		THR solder connection, 5.08 mm, No. of poles: 2, 270°, Solder pin length (l): 1.5 mm, tinned, Black, Box				
SL-SMT	1877470000	PCB plug-in connector, male	4032248468096	100 pc(s).	IEC: 400 V / 27.5 A	Box
5.08HC/02/270GL		header, closed side, THT/			UL: 300 V / 18.5 A	
3.2SN BK BX		THR solder connection, 5.08 mm, No. of poles: 2, 270°, Solder pin length (l): 3.2 mm, tinned, Black, Box				

SL-SMT 5.08HC/90 Box



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1774762001	PCB plug-in connector, male	4032248155699	100 pc(s).	IEC: 400 V / 27.5 A	Box
5.08HC/02/90		header, open side, THT/			UL: 300 V / 18.5 A	
1.5SN BK BX		THR solder connection, 5.08 mm, No. of poles: 2, 90°, Solder pin length (l): 1.5 mm, tinned, Black, Box				
SL-SMT	1779950000	PCB plug-in connector, male	4032248165278	100 pc(s).	IEC: 400 V / 27.5 A	Box
5.08HC/02/90		header, open side, THT/			UL: 300 V / 18.5 A	
3.2SN BK BX		THR solder connection, 5.08 mm, No. of poles: 2,				

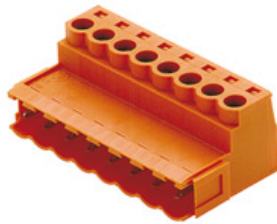
OMNIMATE Signal - series BL/SL 5.08 BLF 5.08HC/02/180 SN BK BX

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Mating connector (fully pluggable)

90°, Solder pin length (l):
3.2 mm, tinned, Black, 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.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLS	1627240000	PCB plug-in connector,	4008190199753	150 pc(s).	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm ²	Box
5.08/02/180B		male plug, 5.08 mm, No.			UL: 300 V / 14 A / AWG 26 - AWG 12	
SN OR BX		of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				

SL-SMT 5.08/180 Box



High-temperature-resistant, straight, open pin header. Packed in box or tape. On tape and with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1775522001	PCB plug-in connector, male	4032248157549	100 pc(s).	IEC: 400 V / 27.5 A	Box
5.08HC/02/180		header, open side, THT/			UL: 300 V / 18.5 A	
1.5SN BK BX		THR solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 1.5 mm, tinned, Black, Box				
SL-SMT	1837980000	PCB plug-in connector, male	4032248348046	100 pc(s).	IEC: 400 V / 27.5 A	Box
5.08HC/02/180		header, open side, THT/			UL: 300 V / 18.5 A	
3.2SN BK BX		THR solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box				

OMNIMATE Signal - series BL/SL 5.08

BLF 5.08HC/02/180 SN BK BX

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Mating connector (fully pluggable)

SLDV 5.08/180



Pin headers with solder pin length optimised for wave flow soldering. The male connectors provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD	1725650000	PCB plug-in connector, male	4032248061945	50 pc(s).	IEC: 400 V / 14 A	Box
5.08V/04/180		header, open side, THT			UL: 300 V / 10 A	
3.2SN OR BX		solder connection, 5.08 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box				

SLDV 5.08/180B



Pin headers with solder pin length optimised for wave flow soldering. The male connectors provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD	1726740000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4032248062621	50 pc(s).	IEC: 400 V / 14 A	Box
5.08V/04/180B					UL: 300 V / 10 A	
3.2SN OR BX						

OMNIMATE Signal - series BL/SL 5.08 BLF 5.08HC/02/180 SN BK BX

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Mating connector (fully pluggable)

SL-SMT 5.08HC/90 Tape



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1821160000	PCB plug-in connector, male	4032248319800	350 pc(s).	IEC: 400 V / 27.5 A	Tape
5.08HC/02/90		header, open side, THT/			UL: 300 V / 18.5 A	(Ø
1.5SN BK RL		THR solder connection,				330
		5.08 mm, No. of poles: 2,				mm);
		90°, Solder pin length (l):				Rs
		1.5 mm, tinned, Black, Tape				=
		(Ø 330 mm); Rs = 10 ⁹ -				10 ⁹
		10 ¹² Ω				-
						10 ¹²
						Ω

SL-SMT 5.08HC/90G Box



High-temperature-resistant pin header, packed in box or tape. On tape, with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

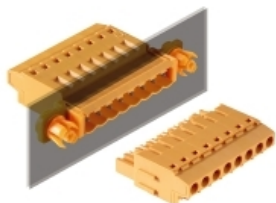
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1780180000	PCB plug-in connector, male	4032248165506	100 pc(s).	IEC: 400 V / 27.5 A	Box
5.08HC/02/90G		header, closed side, THT/			UL: 300 V / 18.5 A	
3.2SN BK BX		THR solder connection,				
		5.08 mm, No. of poles: 2,				
		90°, Solder pin length (l):				
		3.2 mm, tinned, Black, Box				
SL-SMT	1775002001	PCB plug-in connector, male	4032248156023	100 pc(s).	IEC: 400 V / 27.5 A	Box
5.08HC/02/90G		header, closed side, THT/			UL: 300 V / 18.5 A	
1.5SN BK BX		THR solder connection,				
		5.08 mm, No. of poles: 2,				
		90°, Solder pin length (l):				
		1.5 mm, tinned, Black, Box				

OMNIMATE Signal - series BL/SL 5.08 BLF 5.08HC/02/180 SN BK BX

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Mating connector (fully pluggable)

SLT 5.08/180DF SN



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLT	1353350000	PCB plug-in connector,	4050118156645	54 pc(s).	IEC: 400 V / 16 A / 0.2 - 2.5 mm ²	Box
5.08/02/180DF		male plug, 5.08 mm, No.			UL: 300 V / 15 A / AWG 26 - AWG 14	
SN OR BX		of poles: 2, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box				

SL-SMT 5.08/180 Tape



High-temperature-resistant, straight, open pin header. Packed in box or tape. On tape and with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1821100000	PCB plug-in connector, male	4032248319749	250 pc(s).	IEC: 400 V / 27.5 A	Tape
5.08HC/02/180		header, open side, THT/			UL: 300 V / 18.5 A	(Ø
1.5SN BK RL		THR solder connection,				330
		5.08 mm, No. of poles: 2,				mm);
		180°, Solder pin length (l):				Rs
		1.5 mm, tinned, Black, Tape				=
		(Ø 330 mm); Rs = 10 ⁹ -				10 ⁹
		10 ¹² Ω				-
						10 ¹²
						Ω

OMNIMATE Signal - series BL/SL 5.08

BLF 5.08HC/02/180 SN BK BX

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Mating connector (fully pluggable)

SL 5.08HC/180



Pin headers in glass-fibre-reinforced plastic with straight wire outlet; optimised for wave soldering. The flange variant (F) can be screwed onto the respective counter piece or the circuit board. There is no need for an extra screw to connect the circuit board when the solder flange (LF) version is used. This also protects the solder points from mechanical strain. All pin headers can be manually coded or ordered pre-coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL	1146320000	PCB plug-in connector, male	4032248108916	100 pc(s).	IEC: 400 V / 24 A	Box
5.08HC/02/180		header, open side, THT			UL: 300 V / 18.5 A	
3.2SN OR BX		solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box				
SL	1148080000	PCB plug-in connector, male	4032248934386	100 pc(s).	IEC: 400 V / 24 A	Box
5.08HC/02/180		header, open side, THT			UL: 300 V / 18.5 A	
3.2SN BK BX		solder connection, 5.08 mm, No. of poles: 2, 180°, Solder pin length (l): 3.2 mm, tinned, Black, Box				

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.

General ordering data

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

OMNIMATE Signal - series BL/SL 5.08

BLF 5.08HC/02/180 SN BK BX

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Mating connector (fully pluggable)

SLDV 5.08/90B



Pin headers with solder pin length optimised for wave flow soldering. The male connectors provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SLD	1726280000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4032248061259	50 pc(s).	IEC: 400 V / 17 A UL: 300 V / 10 A	Box
5.08V/04/90B						
3.2 SN OR BX						

SL-SMT 5.08/270GH Box



High-temperature-resistant, straight, open pin header. Packed in box or tape. On tape and with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL-SMT	1876340000	PCB plug-in connector, male header, closed side, THT/THR solder connection, 5.08 mm, No. of poles: 2, 270°, Solder pin length (l): 1.5 mm, tinned, Black, Box	4032248466818	100 pc(s).	IEC: 400 V / 27.5 A UL: 300 V / 18.5 A	Box
5.08HC/02/270GH						
1.5SN BK BX						
SL-SMT	1877370000	PCB plug-in connector, male header, closed side, THT/THR solder connection, 5.08 mm, No. of poles: 2, 270°, Solder pin length (l): 3.2 mm, tinned, Black, Box	4032248468003	100 pc(s).	IEC: 400 V / 27.5 A UL: 300 V / 18.5 A	Box
5.08HC/02/270GH						
3.2SN BK BX						

