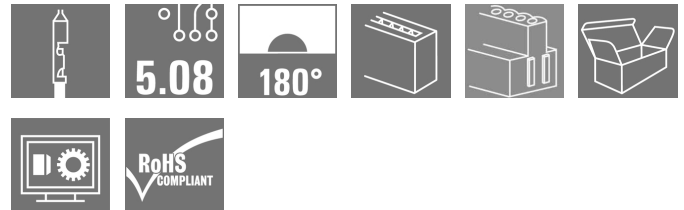


OMNIMATE Signal - series BL/SL 5.08 BLC 5.08/12/180BR OR BX

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Product image



Similar to illustration

Female plugs with crimp wire connection system. The female plugs provide space for labelling and can be coded.

General ordering data

Type	BLC 5.08/12/180BR OR BX
Order No.	1649470000
Version	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 12, 180°, Crimp connection, Clamping range, max. : 2.5 mm ² , Box
GTIN (EAN)	4008190294588
Qty.	50 pc(s).
Product data	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14
Packaging	Box

Creation date May 3, 2020 4:38:45 PM CEST

**OMNIMATE Signal - series BL/SL 5.08
BLC 5.08/12/180BR OR BX**

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Technical data
Dimensions and weights

Width	62.96 mm	Width (inches)	2.479 inch
Height	10.1 mm	Height (inches)	0.398 inch
Depth	24.5 mm	Depth (inches)	0.965 inch
Net weight	8.02 g		

System Parameters

Product family	OMNIMATE Signal - series BL/SL 5.08	Type of connection	Field connection
Wire connection method	Crimp connection	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	Conductor outlet direction	180°
Number of poles	12	L1 in mm	55.88 mm
L1 in inches	2.2 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	Volume resistance	≤ 5mΩ
Can be coded	Yes	Stripping length	5 mm
Plugging cycles	25	Plugging force/pole, max.	8.5 N
Pulling force/pole, max.	6.5 N		

Material data

Insulating material	PBT GF	Colour	orange
Colour chart (similar)	RAL 2000	Insulating material group	IIIa
Comparative Tracking Index (CTI)	≥ 200	Insulation strength	≥ 10 ⁸ Ω
UL 94 flammability rating	V-0	Contact material	Copper alloy
Layer structure of plug contact	4-8 μm Sn hot-dip tinned	Storage temperature, min.	-25 °C
Storage temperature, max.	50 °C	Max. relative humidity during storage	70 %
Operating temperature, min.	-50 °C	Operating temperature, max.	100 °C
Temperature range, installation, min.	-25 °C	Temperature range, installation, max.	100 °C

Conductors suitable for connection

Clamping range, min.	0.22 mm ²	Clamping range, max.	2.5 mm ²
Wire connection cross section AWG, min.	AWG 24	Wire connection cross section AWG, max.	AWG 14
Flexible, min. H05(07) V-K	0.5 mm ²	Flexible, max. H05(07) V-K	2.5 mm ²
Reference text	The outside diameter of the plastic collar should not be larger than the pitch (P). Length of ferrules is to be chosen depending on the product and the rated voltage.	Max. clamping range	2.5 mm ²


**OMNIMATE Signal - series BL/SL 5.08
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Technical data**Rated data acc. to IEC**

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	21 A
Rated current, max. number of poles (Tu=20°C)	14.5 A	Rated current, min. number of poles (Tu=40°C)	18 A
Rated current, max. number of poles (Tu=40°C)	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

Rated data acc. to CSA

Institute (CSA)		Certificate No. (CSA)	12400-374
Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group D / CSA)	300 V
Rated current (Use group B / CSA)	10 A	Rated current (Use group D / CSA)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 14
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Rated data acc. to UL 1059

Institute (UR)		Certificate No. (UR)	E60693
Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group D / UL 1059)	300 V
Rated current (Use group B / UL 1059)	10 A	Rated current (Use group D / UL 1059)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 14
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Packing

Packaging	Box	VPE length	83 mm
VPE width	96 mm	VPE height	164 mm

Classifications

ETIM 6.0	EC002638	ETIM 7.0	EC002638
eClass 9.0	27-44-03-09	eClass 9.1	27-44-03-09
eClass 10.0	27-44-03-09	UNSPSC	30-21-18-10

Data sheet

**OMNIMATE Signal - series BL/SL 5.08
BLC 5.08/12/180BR OR BX**

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Technical data

Notes

Notes	<ul style="list-style-type: none"> • Additional colours on request • Rated current related to rated cross-section & min. No. of poles. • Rated cross-section depends on crimp contact used. • 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.
IPC conformity	Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims 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 FL APPL LED LIGHTING EN FLIndustr.CONTROLS EN FL MACHINE SAFETY EN FL HEATING ELECTR EN FL APPL INVERTER EN FL_BASE_STATION EN FL ELEVATOR EN FL POWER SUPPLY EN FL 72H SAMPLE SER EN PO OMNIMATE EN
Engineering Data	EPLAN_WSCAD
Engineering Data	STEP

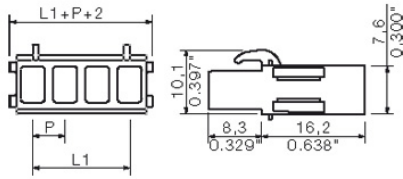
Data sheet

**OMNIMATE Signal - series BL/SL 5.08
BLC 5.08/12/180BR OR BX**

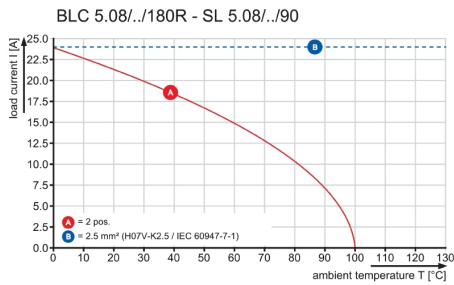
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Drawings

Dimensional drawing



Graph



**OMNIMATE Signal - series BL/SL 5.08
BLC 5.08/12/180BR OR BX**

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Mating connector (fully pluggable)
SLS 5.08TB KF35


Male plugs with clamping-yoke screw wire-connect system. With clip-on feet for attaching the male plugs on rail. The male plugs provide space for labelling and can be coded.

General ordering data

Type	SLS 5.08/12/180TB KF SN ...	Version	Product data	Packaging
Order No.	1846170000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248362455	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm ² ,	UL: 300 V / 14 A / AWG 26 - AWG 12	
Qty.	10 pc(s).	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	SL-SMT 5.08HC/12/180G 1 ...	Version	Product data	Packaging
Order No.	1776022001	PCB plug-in connector, male header, closed side, THT/THR solder	IEC: 400 V / 27.5 A	Box
GTIN (EAN)	4032248159017	connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	(I): 1.5 mm, tinned, black, Box		
Type	SL-SMT 5.08HC/12/180G 3 ...	Version	Product data	Packaging
Order No.	1838310000	PCB plug-in connector, male header, closed side, THT/THR solder	IEC: 400 V / 27.5 A	Box
GTIN (EAN)	4032248348374	connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	(I): 3.2 mm, tinned, black, Box		

**OMNIMATE Signal - series BL/SL 5.08
BLC 5.08/12/180BR OR 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.

General ordering data

Type	SL 5.08/12/135 3.2SN OR ...	Version	Product data	Packaging
Order No.	1603160000	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 12, 135°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 400 V / 17 A UL: 300 V / 15 A	Box
GTIN (EAN)	4008190094638			
Qty.	50 pc(s).			

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	SL 5.08HC/12/180B 3.2SN ...	Version	Product data	Packaging
Order No.	1149730000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length (l): 3.2 mm, tinned, black, Box	IEC: 400 V / 24 A UL: 300 V / 18.5 A	Box
GTIN (EAN)	4032248935246			
Qty.	50 pc(s).			
Type	SL 5.08HC/12/180B 3.2SN ...	Version	Product data	Packaging
Order No.	1147640000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 400 V / 24 A UL: 300 V / 18.5 A	Box
GTIN (EAN)	4032248934355			
Qty.	50 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08
BLC 5.08/12/180BR OR 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	SLD 5.08V/24/90B 3.2 SN ...	Version	Product data	Packaging
Order No.	1726380000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT	IEC: 400 V / 17 A	Box
GTIN (EAN)	4032248061358	solder connection, 5.08 mm, Number of poles: 24, 90°, Solder pin	UL: 300 V / 10 A	
Qty.	10 pc(s).	length (l): 3.2 mm, tinned, orange, 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

Type	SL 5.08/12/180B 3.2SN O ...	Version	Product data	Packaging
Order No.	1520560000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT	IEC: 400 V / 18 A	Box
GTIN (EAN)	4008190169077	solder connection, 5.08 mm, Number of poles: 12, 180°, Solder pin	UL: 300 V / 15 A	
Qty.	50 pc(s).	length (l): 3.2 mm, tinned, orange, Box		

**OMNIMATE Signal - series BL/SL 5.08
BLC 5.08/12/180BR OR BX**

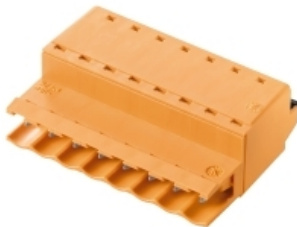
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Mating connector (fully pluggable)
SL-SMT 5.08HC/90 Box


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	SL-SMT 5.08HC/12/90 1.5 ...	Version	Product data	Packaging
Order No.	1774862001	PCB plug-in connector, male header, open side, THT/THR solder connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (l): 1.5 mm, tinned, black, Box	IEC: 400 V / 27.5 A UL: 300 V / 18.5 A	Box
GTIN (EAN)	4032248155903			
Qty.	50 pc(s).			
Type	SL-SMT 5.08HC/12/90 3.2 ...	Version	Product data	Packaging
Order No.	1780050000	PCB plug-in connector, male header, open side, THT/THR solder connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (l): 3.2 mm, tinned, black, Box	IEC: 400 V / 27.5 A UL: 300 V / 18.5 A	Box
GTIN (EAN)	4032248165377			
Qty.	50 pc(s).			

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	SLF 5.08/12/180 SN OR BX	Version	Product data	Packaging
Order No.	1335430000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12, 180°, PUSH IN, Spring connection, Clamping range, max.: 3.31 mm ² , UL: 300 V / 14 A / AWG 26 - AWG 12	IEC: 400 V / 25.9 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4050118138771			
Qty.	30 pc(s).	Box		
Type	SLF 5.08/12/180 SN BK BX	Version	Product data	Packaging
Order No.	1335750000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12, 180°, PUSH IN, Spring connection, Clamping range, max.: 3.31 mm ² , UL: 300 V / 14 A / AWG 26 - AWG 12	IEC: 400 V / 25.9 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4050118139075			
Qty.	30 pc(s).	Box		

**OMNIMATE Signal - series BL/SL 5.08
BLC 5.08/12/180BR OR BX**

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Mating connector (fully pluggable)
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	SL-SMT 5.08HC/12/90G 1. ...	Version	Product data	Packaging
Order No.	1775102001	PCB plug-in connector, male header, closed side, THT/THR solder connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (l): 1.5 mm, tinned, black, Box	IEC: 400 V / 27.5 A UL: 300 V / 18.5 A	Box
GTIN (EAN)	4032248156573			
Qty.	50 pc(s).			
Type	SL-SMT 5.08HC/12/90G 3. ...	Version	Product data	Packaging
Order No.	1780280000	PCB plug-in connector, male header, closed side, THT/THR solder connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (l): 3.2 mm, tinned, black, Box	IEC: 400 V / 27.5 A UL: 300 V / 18.5 A	Box
GTIN (EAN)	4032248165605			
Qty.	50 pc(s).			

SL 5.08HC/90G


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	SL 5.08HC/12/90G 3.2SN ...	Version	Product data	Packaging
Order No.	1155430000	PCB plug-in connector, male header, closed side, THT solder connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (l): 3.2 mm, tinned, black, Box	IEC: 400 V / 24 A UL: 300 V / 18.5 A	Box
GTIN (EAN)	4050118050486			
Qty.	50 pc(s).			
Type	SL 5.08HC/12/90G 3.2SN ...	Version	Product data	Packaging
Order No.	1147600000	PCB plug-in connector, male header, closed side, THT solder connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 400 V / 24 A UL: 300 V / 18.5 A	Box
GTIN (EAN)	4050118051179			
Qty.	50 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08
BLC 5.08/12/180BR OR BX**

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Mating connector (fully pluggable)
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	SLS 5.08/12/180B SN OR ...	Version	Product data	Packaging
Order No.	1627340000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4008190199852	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm ² ,	UL: 300 V / 14 A / AWG 26 - AWG 12	
Qty.	24 pc(s).	Box		

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	SLD 5.08V/24/90 3.2 SN ...	Version	Product data	Packaging
Order No.	1725270000	PCB plug-in connector, male header, open side, THT solder	IEC: 400 V / 17 A	Box
GTIN (EAN)	4032248060672	connection, 5.08 mm, Number of poles: 24, 90°, Solder pin length (l):	UL: 300 V / 10 A	
Qty.	10 pc(s).	3.2 mm, tinned, orange, Box		

**OMNIMATE Signal - series BL/SL 5.08
BLC 5.08/12/180BR OR BX**

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Mating connector (fully 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.

General ordering data

Type	SL 5.08/12/90B 3.2SN OR ...	Version	Product data	Packaging
Order No.	1511360000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT	IEC: 400 V / 18 A	Box
GTIN (EAN)	4008190015985	solder connection, 5.08 mm, Number of poles: 12, 90°, Solder pin	UL: 300 V / 15 A	
Qty.	50 pc(s).	length (l): 3.2 mm, tinned, 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.

General ordering data

Type	SL 5.08/12/90 3.2SN OR ...	Version	Product data	Packaging
Order No.	1509060000	PCB plug-in connector, male header, open side, THT solder	IEC: 400 V / 18 A	Box
GTIN (EAN)	4008190105983	connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (l):	UL: 300 V / 15 A	
Qty.	50 pc(s).	3.2 mm, tinned, orange, Box		

**OMNIMATE Signal - series BL/SL 5.08
BLC 5.08/12/180BR OR 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	SL 5.08HC/12/180 3.2SN ...	Version	Product data	Packaging
Order No.	1148330000	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length (l): 3.2 mm, tinned, black, Box	IEC: 400 V / 24 A UL: 300 V / 18.5 A	Box
GTIN (EAN)	4032248935154			
Qty.	50 pc(s).			
Type	SL 5.08HC/12/180 3.2SN ...	Version	Product data	Packaging
Order No.	1146570000	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 400 V / 24 A UL: 300 V / 18.5 A	Box
GTIN (EAN)	4032248933167			
Qty.	50 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	SLT 5.08/12/180B SN OR ...	Version	Product data	Packaging
Order No.	1611810000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12, 180°, TOP connection, Clamping range, max. : 2.5 mm ² , Box	IEC: 400 V / 16 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 14	Box
GTIN (EAN)	4008190192693			
Qty.	50 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08
BLC 5.08/12/180BR OR BX**

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Mating connector (fully pluggable)
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	SL 5.08HC/12/90B 3.2SN ...	Version	Product data	Packaging
Order No.	1154880000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT	IEC: 400 V / 24 A	Box
GTIN (EAN)	4050118050943	solder connection, 5.08 mm, Number of poles: 12, 90°, Solder pin	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	length (l): 3.2 mm, tinned, orange, Box		
Type	SL 5.08HC/12/90B 3.2SN ...	Version	Product data	Packaging
Order No.	1155690000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT	IEC: 400 V / 24 A	Box
GTIN (EAN)	4050118050257	solder connection, 5.08 mm, Number of poles: 12, 90°, Solder pin	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	length (l): 3.2 mm, tinned, black, 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	SLF 5.08/12/180B SN BK ...	Version	Product data	Packaging
Order No.	1335990000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,	IEC: 400 V / 25.9 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4050118138955	180°, PUSH IN, Spring connection, Clamping range, max.: 3.31 mm ² ,	UL: 300 V / 14 A / AWG 26 - AWG 12	
Qty.	24 pc(s).	Box		
Type	SLF 5.08/12/180B SN OR ...	Version	Product data	Packaging
Order No.	1335550000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,	IEC: 400 V / 25.9 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4050118138917	180°, PUSH IN, Spring connection, Clamping range, max.: 3.31 mm ² ,	UL: 300 V / 14 A / AWG 26 - AWG 12	
Qty.	24 pc(s).	Box		

**OMNIMATE Signal - series BL/SL 5.08
BLC 5.08/12/180BR OR BX**

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Mating connector (fully pluggable)
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	SL 5.08HC/12/180G 3.2SN ...	Version	Product data	Packaging
Order No.	1148970000	PCB plug-in connector, male header, closed side, THT solder	IEC: 400 V / 24 A	Box
GTIN (EAN)	4032248934782	connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	(I): 3.2 mm, tinned, black, Box		
Type	SL 5.08HC/12/180G 3.2SN ...	Version	Product data	Packaging
Order No.	1146950000	PCB plug-in connector, male header, closed side, THT solder	IEC: 400 V / 24 A	Box
GTIN (EAN)	4032248108589	connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	(I): 3.2 mm, tinned, orange, 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	SL 5.08HC/12/90 3.2SN O ...	Version	Product data	Packaging
Order No.	1146940000	PCB plug-in connector, male header, open side, THT solder	IEC: 400 V / 24 A	Box
GTIN (EAN)	4050118051407	connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (I):	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	3.2 mm, tinned, orange, Box		
Type	SL 5.08HC/12/90 3.2SN B ...	Version	Product data	Packaging
Order No.	1155150000	PCB plug-in connector, male header, open side, THT solder	IEC: 400 V / 24 A	Box
GTIN (EAN)	4050118050714	connection, 5.08 mm, Number of poles: 12, 90°, Solder pin length (I):	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	3.2 mm, tinned, black, Box		

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Mating connector (fully pluggable)
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	SL 5.08/12/135B 3.2SN O ...	Version	Product data	Packaging
Order No.	1605630000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT	IEC: 400 V / 17 A	Box
GTIN (EAN)	4008190068738	solder connection, 5.08 mm, Number of poles: 12, 135°, Solder pin	UL: 300 V / 15 A	
Qty.	50 pc(s).	length (l): 3.2 mm, tinned, orange, Box		

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	SLD 5.08V/24/180 3.2SN ...	Version	Product data	Packaging
Order No.	1725750000	PCB plug-in connector, male header, open side, THT solder	IEC: 400 V / 14 A	Box
GTIN (EAN)	4032248062041	connection, 5.08 mm, Number of poles: 24, 180°, Solder pin length	UL: 300 V / 10 A	
Qty.	10 pc(s).	(l): 3.2 mm, tinned, orange, Box		

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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

Type	SL 5.08/12/180 3.2SN OR ...	Version	Product data	Packaging
Order No.	1518260000	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 400 V / 18 A UL: 300 V / 15 A	Box
GTIN (EAN)	4008190070991			
Qty.	50 pc(s).			

SLS 5.08TB RF15


Male plugs with clamping-yoke screw wire-connect system. With clip-on feet for attaching the male plugs on rail. The male plugs provide space for labelling and can be coded.

General ordering data

Type	SLS 5.08/12/180TB RF15 ...	Version	Product data	Packaging
Order No.	1846090000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12, 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm², Box	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm² UL: 300 V / 14 A / AWG 26 - AWG 12	Box
GTIN (EAN)	4032248362370			
Qty.	10 pc(s).			

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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	SLS 5.08/12/180 SN OR BX	Version	Product data	Packaging
Order No.	1627190000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 12,	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4008190199708	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm ² ,	UL: 300 V / 14 A / AWG 26 - AWG 12	
Qty.	30 pc(s).	Box		

SL-SMT 5.08/180 Box

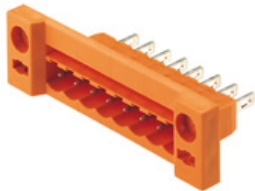

High-temperature-resistant, straight, open pin header. Packed in box or tape. On tape and with 1.5 mm solder pin, optimised for automatic assembly. 3.2 mm solder pin suitable for reflow and wave soldering. The pin headers provide space for labelling and can be coded. HC = High Current.

General ordering data

Type	SL-SMT 5.08HC/12/180 3. ...	Version	Product data	Packaging
Order No.	1838080000	PCB plug-in connector, male header, open side, THT/THR solder	IEC: 400 V / 27.5 A	Box
GTIN (EAN)	4032248348145	connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	(I): 3.2 mm, tinned, black, Box		
Type	SL-SMT 5.08HC/12/180 1. ...	Version	Product data	Packaging
Order No.	1775702001	PCB plug-in connector, male header, open side, THT/THR solder	IEC: 400 V / 27.5 A	Box
GTIN (EAN)	4032248158348	connection, 5.08 mm, Number of poles: 12, 180°, Solder pin length	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	(I): 1.5 mm, tinned, black, Box		

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Mating connector (fully pluggable)
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	SLDF 5.08 L/F 12 SN OR ...	Version	Product data	Packaging
Order No.	1599230000	PCB plug-in connector, male header, 5.08 mm, Number of poles: 12,	IEC: 400 V / 15 A	Box
GTIN (EAN)	4008190155100	180°, Flat-blade connection, Solder connection, Box	UL: 300 V / 10 A	
Qty.	18 pc(s).			
Type	SLDF 5.08 L/F 12 SN BK ...	Version	Product data	Packaging
Order No.	1635840000	PCB plug-in connector, male header, 5.08 mm, Number of poles: 12,	IEC: 400 V / 15 A	Box
GTIN (EAN)	4008190264277	180°, Flat-blade connection, Solder connection, Box	UL: 300 V / 10 A	
Qty.	50 pc(s).			

OMNIMATE Signal - series BL/SL 5.08 BLC 5.08/12/180BR OR BX

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Accessories

Blocks for PCB mounting



Minor component, major effect:

Clip-on attachment elements increase the mechanical resilience of the whole plug connection by

- securing the male connectors to the circuit board
- providing a vibration-proof connection between the sockets and the male connectors

Clip-on or pre-assembled - always the right solution:

- Hard-wearing, precise fitting dovetail joint
- Hard-wearing metal threaded inserts
- Suitable for all outlet directions

Maximum stability, minimum effort:

- Extremely resilient for frequent fastening operations
- Complete set for easy selection

The result: soldering points, contacts and overall module are more resilient against mechanical stress such as vibrations and tensile loads.

General ordering data

Type	SLA BB11R OR	Version	Product data	Packaging
Order No.	1604120000	PCB plug-in connector, Accessories, Mounting block, orange, Number		Box
GTIN (EAN)	4008190182977	of poles: 1		
Qty.	20 pc(s).			
Type	SLA BB11R SW	Version	Product data	Packaging
Order No.	1692340000	PCB plug-in connector, Accessories, Mounting block, black, Number of		Box
GTIN (EAN)	4008190864965	poles: 1		
Qty.	20 pc(s).			
Type	SLA BB12R SW	Version	Product data	Packaging
Order No.	1626880000	PCB plug-in connector, Accessories, Mounting block, black, Number of		Box
GTIN (EAN)	4008190198213	poles: 1		
Qty.	100 pc(s).			
Type	SLA BB12R OR	Version	Product data	Packaging
Order No.	1593450000	PCB plug-in connector, Accessories, Mounting block, orange, Number		Box
GTIN (EAN)	4008190122164	of poles: 1		
Qty.	100 pc(s).			

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Accessories

... for Weidmüller DFF and ZRV contacts



Crimping tools for Weidmüller DFF and ZRV contacts

- Ratchet guarantees precise crimping
- Release option in the event of incorrect operation
- With stop for exact positioning of the contacts.

General ordering data

Type	HTF DFF	Version
Order No.	9014140000	Pressing tool, Crimping tool for contacts, 0.22mm ² , 2.5mm ² ,
GTIN (EAN)	4008190297305	FoderBcrimp
Qty.	1 pc(s).	

Crimp contacts



For a reliable contact - CB/CS crimp contact.

The combination of RSV housings and Weidmüller's crimp contacts enable custom adaptations to the specific requirements of your applications.

The following product options are available depending on the system:

- Safe centring of the contacts using the three-segment pin tips
- High contact reliability using four defined contact points
- Locking clasp in the cantilever spring for a secure mount of the contacts in the housing
- Pin contacts with two lengths to implement leading-pin contacts
- Up to 100 plugging cycles (tin version)
- Up to 500 plugging cycles (gold version)

The appropriate high-quality tools from Weidmüller guarantee professional processing.

General ordering data

Type	DFFC 0.22-0.35 SN 3000	Version	Product data	Packaging
Order No.	1604230000	PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping		Box
GTIN (EAN)	4008190117498	range : 0.35 mm ²		
Qty.	3,000 pc(s).			
Type	DFFC 0.5-1.0 SN E	Version	Product data	Packaging
Order No.	1567060000	PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping		Box
GTIN (EAN)	4008190166991	range : 1 mm ²		
Qty.	250 pc(s).			

OMNIMATE Signal - series BL/SL 5.08 BLC 5.08/12/180BR OR BX

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Accessories

Type	DFFC 0.22-0.35 SN E	Version	Product data	Packaging
Order No.	1604250000	PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping range : 0.35 mm ²		Box
GTIN (EAN)	4008190042905			
Qty.	250 pc(s).			
Type	DFFC 0.5-1.0 SN 3000	Version	Product data	Packaging
Order No.	1480000000	PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping range : 1 mm ²		Box
GTIN (EAN)	4008190179175			
Qty.	3,000 pc(s).			
Type	DFFC 1.5-2.5 SN 2500	Version	Product data	Packaging
Order No.	1480100000	PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping range : 2.5 mm ²		Box
GTIN (EAN)	4008190100414			
Qty.	2,500 pc(s).			
Type	DFFC 1.5-2.5 SN E	Version	Product data	Packaging
Order No.	1567070000	PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping range : 2.5 mm ²		Box
GTIN (EAN)	4008190059071			
Qty.	250 pc(s).			

Coding elements



Only connects what is supposed to be connected: the right connection at the right place.

Coding elements and locking devices clearly assign connecting elements during the manufacturing process and operation

The coding elements and locking devices are inserted prior to assembly or during the cable assembly phase. The Weidmüller alternative: configure online using the variant configurator to precode prior to delivery.

Incorrect assembly on the circuit board and incorrect plugging of connecting elements is no longer possible. The advantage: no troubleshooting during manufacture and no operational errors by the user.

General ordering data

Type	BLZ/SL KO OR BX	Version	Product data	Packaging
Order No.	1573010000	PCB plug-in connector, Accessories, Coding element, orange, Number		Box
GTIN (EAN)	4008190048396	of poles: 1		
Qty.	100 pc(s).			
Type	BLZ/SL KO BK BX	Version	Product data	Packaging
Order No.	1545710000	PCB plug-in connector, Accessories, Coding element, black, Number		Box
GTIN (EAN)	4008190087142	of poles: 1		
Qty.	50 pc(s).			