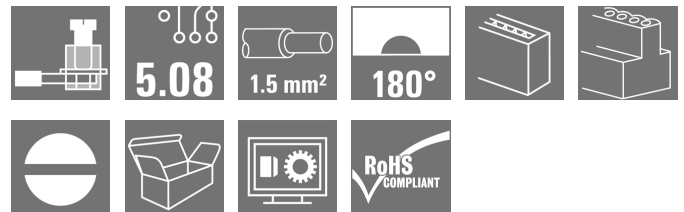


OMNIMATE Signal - series BL/SL 5.08 BLDT 5.08/10/- SN OR BX

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Product image



Similar to illustration

Female plugs with two clamping-yoke screw connections per pole for wire connections with 90° and 270° outlet directions. The female plugs provide space for labelling and can be coded.

General ordering data

Type	BLDT 5.08/10/- SN OR BX
Order No.	1644810000
Version	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 10, 180°, Clamping yoke connection, Clamping range, max. : 3.31 mm², Box
GTIN (EAN)	4008 190284022
Qty.	30 pc(s).
Product data	IEC: 400 V / 14 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12
Packaging	Box

Creation date May 3, 2020 4:58:01 PM CEST

**OMNIMATE Signal - series BL/SL 5.08
BLDT 5.08/10/- SN OR BX**

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Technical data**Dimensions and weights**

Width	50.8 mm	Width (inches)	2 inch
Height	23.3 mm	Height (inches)	0.917 inch
Depth	26.8 mm	Depth (inches)	1.055 inch
Net weight	32.52 g		

System Parameters

Product family	OMNIMATE Signal - series BL/SL 5.08	Type of connection	Field connection
Wire connection method	Clamping yoke connection	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	Conductor outlet direction	180°
Number of poles	10	L1 in mm	45.72 mm
L1 in inches	1.8 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	≤ 5mΩ	Can be coded	Yes
Stripping length	7 mm	Tightening torque, min.	0.4 Nm
Tightening torque, max.	0.5 Nm	Clamping screw	M 2.5
Screwdriver blade	0.6 x 3.5	Screwdriver blade standard	DIN 5264
Plugging cycles	25	Plugging force/pole, max.	10 N
Pulling force/pole, max.	7.5 N		

Material data

Insulating material	PBT	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	GWFI	960 °C
Contact material	Copper alloy	Contact surface	tinned
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.	0.13 mm ²
Clamping range, 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.	0.2 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, max.	1.5 mm ²
w. wire end ferrule, DIN 46228 pt 1, min.	0.2 mm ²
w. wire end ferrule, DIN 46228 pt 1, max.	1.5 mm ²

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Technical data

Plug gauge in accordance with EN 60999 a x b; ø 2.4 mm x 1.5 mm ; 2.4 mm

Clampable conductor	Cross-section for conductor connection	Type	fine-wired
		nominal	0.5 mm ²
wire end ferrule		Stripping length	nominal 6 mm
		Recommended wire-end ferrule	H0.5/6
Cross-section for conductor connection	Type	fine-wired	
	nominal	0.75 mm ²	
wire end ferrule		Stripping length	nominal 6 mm
		Recommended wire-end ferrule	H0.75/6
Cross-section for conductor connection	Type	fine-wired	
	nominal	1 mm ²	
wire end ferrule		Stripping length	nominal 6 mm
		Recommended wire-end ferrule	H1.0/6
Cross-section for conductor connection	Type	fine-wired	
	nominal	1.5 mm ²	
wire end ferrule		Stripping length	nominal 7 mm
		Recommended wire-end ferrule	H1.5/7


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 3.31 mm²

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	14 A
Rated current, max. number of poles (Tu=20°C)	11.5 A	Rated current, min. number of poles (Tu=40°C)	12 A
Rated current, max. number of poles (Tu=40°C)	10 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)	12400-365
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 12
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Rated data acc. to UL 1059

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 12

Creation date May 3, 2020 4:58:01 PM CEST

Data sheet

**OMNIMATE Signal - series BL/SL 5.08
BLDT 5.08/10/- SN OR BX**

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Technical data

Packing

Packaging	Box	VPE length	89 mm
VPE width	114 mm	VPE height	187 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

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.

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

Data sheet

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Technical data

Downloads

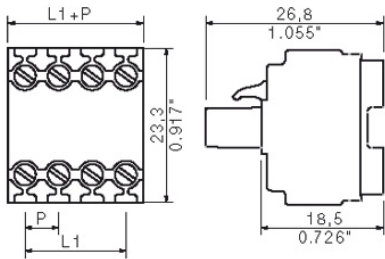
Approval/Certificate/Document of Conformity	Declaration of the Manufacturer
Brochure/Catalogue	FL DRIVES EN MB DEVICE MANUF. EN FL DRIVES DE CAT 2 PORTFOLIOGUIDE EN FL BUILDING SAFETY EN FL APPL LED LIGHTING EN FL INDUSTR.CONTROLS EN FL MACHINE SAFETY EN FL HEATING ELECTR EN FL APPL INVERTER EN FL BASE STATION EN FL ELEVATOR EN FL POWER SUPPLY EN FL 72H SAMPLE SER EN PO OMNIMATE EN
Engineering Data	EPLAN_WSCAD
Engineering Data	STEP

**OMNIMATE Signal - series BL/SL 5.08
BLDT 5.08/10/- SN OR BX**

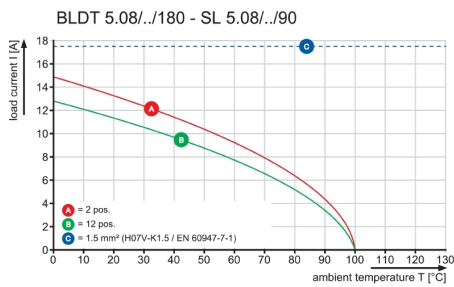
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Drawings

Dimensional drawing

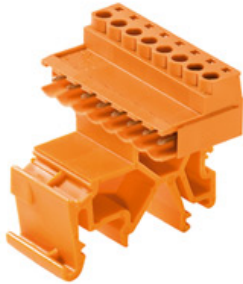


Graph



**OMNIMATE Signal - series BL/SL 5.08
BLDT 5.08/10/- SN 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 5.08/10/180TB KF SN ...	Version	Product data	Packaging
Order No.	1846160000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 10,	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248362448	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/10/180G 3 ...	Version	Product data	Packaging
Order No.	1838290000	PCB plug-in connector, male header, closed side, THT/THR solder	IEC: 400 V / 27.5 A	Box
GTIN (EAN)	4032248348350	connection, 5.08 mm, Number of poles: 10, 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/10/180G 1 ...	Version	Product data	Packaging
Order No.	1776002001	PCB plug-in connector, male header, closed side, THT/THR solder	IEC: 400 V / 27.5 A	Box
GTIN (EAN)	4032248158997	connection, 5.08 mm, Number of poles: 10, 180°, Solder pin length	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	(I): 1.5 mm, tinned, black, Box		

**OMNIMATE Signal - series BL/SL 5.08
BLDT 5.08/10/- SN OR BX**

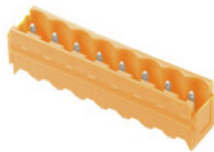
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Mating connector (fully pluggable)
SL 5.08/135


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 5.08/10/135 3.2SN OR ...	Version	Product data	Packaging
Order No.	1603140000	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 10, 135°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 400 V / 17 A UL: 300 V / 15 A	Box
GTIN (EAN)	4008190082123			
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/10/180B 3.2SN ...	Version	Product data	Packaging
Order No.	1147580000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, Number of poles: 10, 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)	4032248934249			
Qty.	50 pc(s).			
Type	SL 5.08HC/10/180B 3.2SN ...	Version	Product data	Packaging
Order No.	1149670000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, Number of poles: 10, 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)	4032248934904			
Qty.	50 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08
BLDT 5.08/10/- SN 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/20/90B 3.2 SN ...	Version	Product data	Packaging
Order No.	1726360000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT	IEC: 400 V / 17 A	Box
GTIN (EAN)	4032248061334	solder connection, 5.08 mm, Number of poles: 20, 90°, Solder pin	UL: 300 V / 10 A	
Qty.	20 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 5.08/10/180B 3.2SN O ...	Version	Product data	Packaging
Order No.	1520360000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT	IEC: 400 V / 18 A	Box
GTIN (EAN)	4008190030612	solder connection, 5.08 mm, Number of poles: 10, 180°, Solder pin	UL: 300 V / 15 A	
Qty.	50 pc(s).	length (l): 3.2 mm, tinned, orange, Box		

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BLDT 5.08/10/- SN 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/10/90 3.2 ...	Version	Product data	Packaging
Order No.	1780030000	PCB plug-in connector, male header, open side, THT/THR solder connection, 5.08 mm, Number of poles: 10, 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)	4032248165353			
Qty.	50 pc(s).			
Type	SL-SMT 5.08HC/10/90 1.5 ...	Version	Product data	Packaging
Order No.	1774842001	PCB plug-in connector, male header, open side, THT/THR solder connection, 5.08 mm, Number of poles: 10, 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)	4032248155880			
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 5.08/10/180 SN OR BX	Version	Product data	Packaging
Order No.	1335410000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 10, 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)	4050118138719			
Qty.	36 pc(s).	Box		
Type	SLF 5.08/10/180 SN BK BX	Version	Product data	Packaging
Order No.	1335710000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 10, 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)	4050118139143			
Qty.	36 pc(s).	Box		

**OMNIMATE Signal - series BL/SL 5.08
BLDT 5.08/10/- SN OR BX**

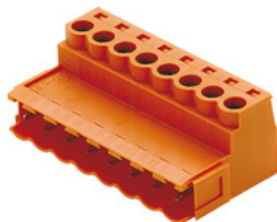
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Mating connector (fully pluggable)
SL-SMT 5.08HC/90G Box


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/10/90G 3. ...	Version	Product data	Packaging
Order No.	1780260000	PCB plug-in connector, male header, closed side, THT/THR solder connection, 5.08 mm, Number of poles: 10, 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)	4032248165582			
Qty.	50 pc(s).			
Type	SL-SMT 5.08HC/10/90G 1. ...	Version	Product data	Packaging
Order No.	1775082001	PCB plug-in connector, male header, closed side, THT/THR solder connection, 5.08 mm, Number of poles: 10, 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)	4032248156559			
Qty.	50 pc(s).			
Type	SL-SMT 5.08HC/10/90G 1. ...	Version	Product data	Packaging
Order No.	1775083001	PCB plug-in connector, male header, closed side, THT/THR solder connection, 5.08 mm, Number of poles: 10, 90°, Solder pin length (l): 1.5 mm, tinned, black, Tray	IEC: 400 V / 27.5 A UL: 300 V / 18.5 A	Tray
GTIN (EAN)	4032248166312			
Qty.	30 pc(s).			

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 5.08/10/180B SN OR ...	Version	Product data	Packaging
Order No.	1627320000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 10, 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm², UL: 300 V / 14 A / AWG 26 - AWG 12	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm² UL: 300 V / 14 A / AWG 26 - AWG 12	Box
GTIN (EAN)	4008190199838			
Qty.	30 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08
BLDT 5.08/10/- SN OR BX**

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Mating connector (fully pluggable)
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/20/90 3.2 SN ...	Version	Product data	Packaging
Order No.	1725250000	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 20, 90°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 400 V / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4032248060658			
Qty.	20 pc(s).			

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 5.08/10/90B 3.2SN OR ...	Version	Product data	Packaging
Order No.	1511160000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, Number of poles: 10, 90°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 400 V / 18 A UL: 300 V / 15 A	Box
GTIN (EAN)	4008190052485			
Qty.	50 pc(s).			

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Mating connector (fully pluggable)
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 5.08/10/90 3.2SN OR ...	Version	Product data	Packaging
Order No.	1508860000	PCB plug-in connector, male header, open side, THT solder	IEC: 400 V / 18 A	Box
GTIN (EAN)	4008190089092	connection, 5.08 mm, Number of poles: 10, 90°, Solder pin length (l):	UL: 300 V / 15 A	
Qty.	50 pc(s).	3.2 mm, tinned, orange, Box		

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/10/180 3.2SN ...	Version	Product data	Packaging
Order No.	1148290000	PCB plug-in connector, male header, open side, THT solder	IEC: 400 V / 24 A	Box
GTIN (EAN)	4032248107773	connection, 5.08 mm, Number of poles: 10, 180°, Solder pin length	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	(l): 3.2 mm, tinned, black, Box		
Type	SL 5.08HC/10/180 3.2SN ...	Version	Product data	Packaging
Order No.	1146530000	PCB plug-in connector, male header, open side, THT solder	IEC: 400 V / 24 A	Box
GTIN (EAN)	4032248933310	connection, 5.08 mm, Number of poles: 10, 180°, Solder pin length	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	(l): 3.2 mm, tinned, orange, Box		

**OMNIMATE Signal - series BL/SL 5.08
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Mating connector (fully pluggable)
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	SLD 5.08V/20/180B 3.2SN ...	Version	Product data	Packaging
Order No.	1726820000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT	IEC: 400 V / 14 A	Box
GTIN (EAN)	4032248062706	solder connection, 5.08 mm, Number of poles: 20, 180°, Solder pin	UL: 300 V / 10 A	
Qty.	20 pc(s).	length (l): 3.2 mm, tinned, orange, Box		

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 5.08/10/180B SN OR ...	Version	Product data	Packaging
Order No.	1611790000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 10,	IEC: 400 V / 16 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4008190192679	180°, TOP connection, Clamping range, max. : 2.5 mm ² , Box	UL: 300 V / 15 A / AWG 26 - AWG 14	
Qty.	50 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08
BLDT 5.08/10/- SN 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/10/90B 3.2SN ...	Version	Product data	Packaging
Order No.	1155670000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT	IEC: 400 V / 24 A	Box
GTIN (EAN)	4050118050271	solder connection, 5.08 mm, Number of poles: 10, 90°, Solder pin	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	length (l): 3.2 mm, tinned, black, Box		
Type	SL 5.08HC/10/90B 3.2SN ...	Version	Product data	Packaging
Order No.	1154850000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT	IEC: 400 V / 24 A	Box
GTIN (EAN)	4050118050967	solder connection, 5.08 mm, Number of poles: 10, 90°, Solder pin	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	length (l): 3.2 mm, tinned, orange, 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 5.08/10/180B SN OR ...	Version	Product data	Packaging
Order No.	1335530000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 10,	IEC: 400 V / 25.9 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4050118139044	180°, PUSH IN, Spring connection, Clamping range, max.: 3.31 mm ² ,	UL: 300 V / 14 A / AWG 26 - AWG 12	
Qty.	30 pc(s).	Box		
Type	SLF 5.08/10/180B SN BK ...	Version	Product data	Packaging
Order No.	1335940000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 10,	IEC: 400 V / 25.9 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4050118138993	180°, PUSH IN, Spring connection, Clamping range, max.: 3.31 mm ² ,	UL: 300 V / 14 A / AWG 26 - AWG 12	
Qty.	30 pc(s).	Box		

**OMNIMATE Signal - series BL/SL 5.08
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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/10/180G 3.2SN ...	Version	Product data	Packaging
Order No.	1148900000	PCB plug-in connector, male header, closed side, THT solder connection, 5.08 mm, Number of poles: 10, 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)	4032248935369			
Qty.	50 pc(s).			
Type	SL 5.08HC/10/180G 3.2SN ...	Version	Product data	Packaging
Order No.	1146910000	PCB plug-in connector, male header, closed side, THT solder connection, 5.08 mm, Number of poles: 10, 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)	4032248108602			
Qty.	50 pc(s).			

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/10/90 3.2SN O ...	Version	Product data	Packaging
Order No.	1146900000	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 10, 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)	4050118051421			
Qty.	50 pc(s).			
Type	SL 5.08HC/10/90 3.2SN B ...	Version	Product data	Packaging
Order No.	1155130000	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 10, 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)	4050118050738			
Qty.	50 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08
BLDT 5.08/10/- SN OR BX**

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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 5.08/10/135B 3.2SN O ...	Version	Product data	Packaging
Order No.	1605610000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT	IEC: 400 V / 17 A	Box
GTIN (EAN)	4008190178284	solder connection, 5.08 mm, Number of poles: 10, 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/20/180 3.2SN ...	Version	Product data	Packaging
Order No.	1725730000	PCB plug-in connector, male header, open side, THT solder	IEC: 400 V / 14 A	Box
GTIN (EAN)	4032248062027	connection, 5.08 mm, Number of poles: 20, 180°, Solder pin length	UL: 300 V / 10 A	
Qty.	20 pc(s).	(l): 3.2 mm, tinned, orange, Box		

**OMNIMATE Signal - series BL/SL 5.08
BLDT 5.08/10/- SN OR 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

Type	SL 5.08/10/180 3.2SN OR ...	Version	Product data	Packaging
Order No.	1518060000	PCB plug-in connector, male header, open side, THT solder	IEC: 400 V / 18 A	Box
GTIN (EAN)	4008190122539	connection, 5.08 mm, Number of poles: 10, 180°, Solder pin length	UL: 300 V / 15 A	
Qty.	50 pc(s).	(l): 3.2 mm, tinned, orange, Box		

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 5.08/10/180TB RF15 ...	Version	Product data	Packaging
Order No.	1846080000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 10,	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248362363	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		

**OMNIMATE Signal - series BL/SL 5.08
BLDT 5.08/10/- SN OR BX**

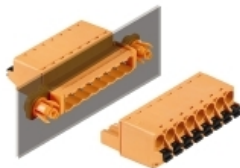
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Mating connector (fully pluggable)
SLS 5.08/180 SN


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

General ordering data

Type	SLS 5.08/10/180 SN OR BX	Version	Product data	Packaging
Order No.	1627170000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 10,	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4008190199685	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm ² ,	UL: 300 V / 14 A / AWG 26 - AWG 12	
Qty.	36 pc(s).	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

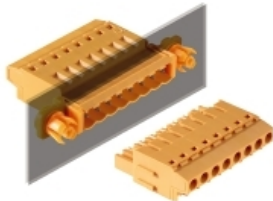
Type	SLF 5.08/10/180DF SN OR ...	Version	Product data	Packaging
Order No.	1353680000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 10,	IEC: 400 V / 25.9 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4050118156423	180°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ² ,	UL: 300 V / 14 A / AWG 26 - AWG 12	
Qty.	24 pc(s).	Box		

OMNIMATE Signal - series BL/SL 5.08 BLDT 5.08/10/- SN OR 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	SLT 5.08/10/180DF SN OR ...	Version	Product data	Packaging
Order No.	1353450000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 10,	IEC: 400 V / 16 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4050118156102	180°, TOP connection, Clamping range, max.: 2.5 mm ² , Box	UL: 300 V / 15 A / AWG 26 - AWG 14	
Qty.	24 pc(s).			

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

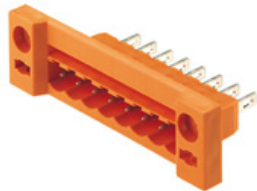
Type	SL-SMT 5.08HC/10/180 1. ...	Version	Product data	Packaging
Order No.	1775682001	PCB plug-in connector, male header, open side, THT/THR solder connection, 5.08 mm, Number of poles: 10, 180°, Solder pin length	IEC: 400 V / 27.5 A UL: 300 V / 18.5 A	Box
Qty.	50 pc(s).	(I): 1.5 mm, tinned, black, Box		
Type	SL-SMT 5.08HC/10/180 3. ...	Version	Product data	Packaging
Order No.	1838060000	PCB plug-in connector, male header, open side, THT/THR solder connection, 5.08 mm, Number of poles: 10, 180°, Solder pin length	IEC: 400 V / 27.5 A UL: 300 V / 18.5 A	Box
Qty.	50 pc(s).	(I): 3.2 mm, tinned, black, Box		

**OMNIMATE Signal - series BL/SL 5.08
BLDT 5.08/10/- SN OR BX**

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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 10 SN OR ...	Version	Product data	Packaging
Order No.	1599210000	PCB plug-in connector, male header, 5.08 mm, Number of poles: 10,	IEC: 400 V / 15 A	Box
GTIN (EAN)	4008190065522	180°, Flat-blade connection, Solder connection, Box	UL: 300 V / 10 A	
Qty.	24 pc(s).			

OMNIMATE Signal - series BL/SL 5.08 BLDT 5.08/10/- SN OR BX

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Accessories

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.

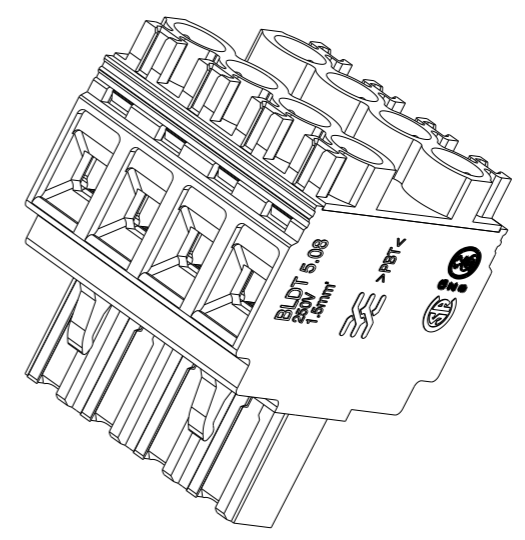
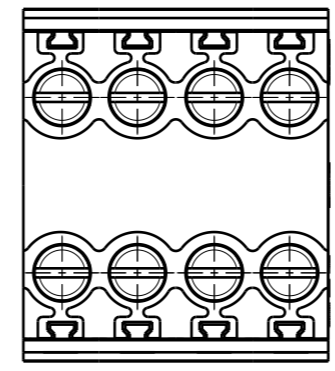
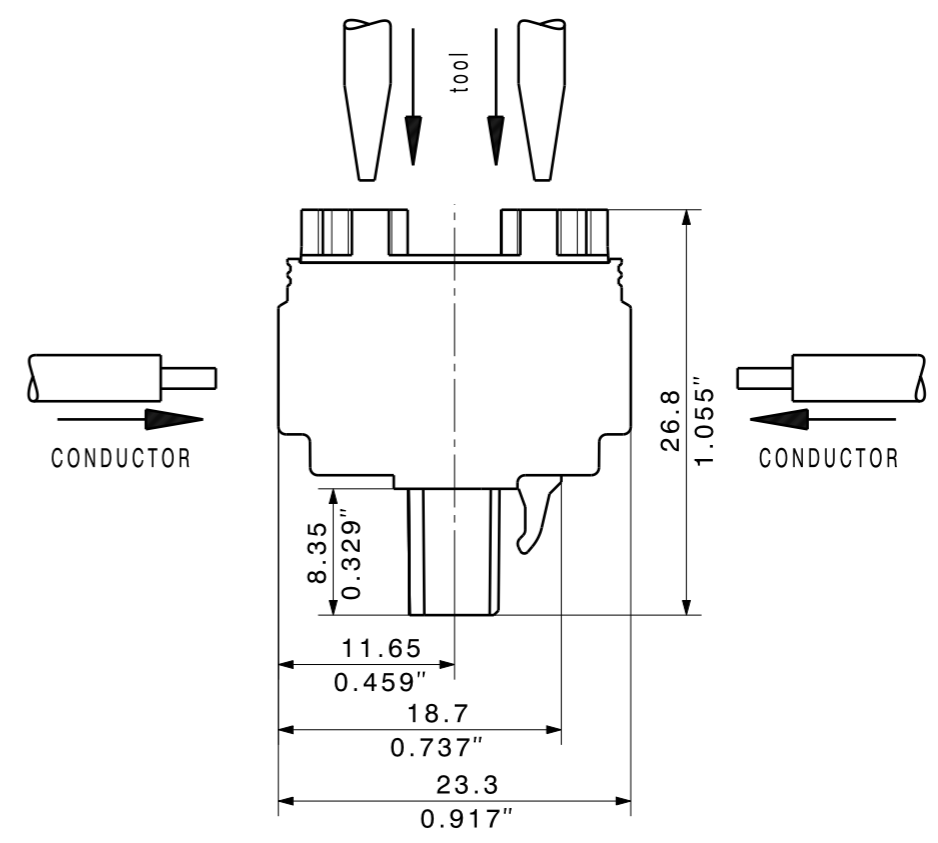
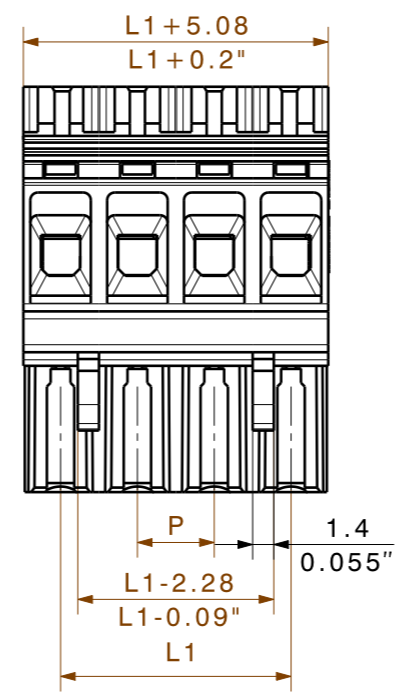
Incorrect assembly on the circuit board and incorrect plugging of connecting elements is no longer possible. The advantage: no troubleshooting during manufacture and no operational errors by the user.

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).			

DIE DEUTSCHE VERSION IST VERBINDLICH
THE GERMAN VERSION IS BINDING

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12	55,88	2,200
11	50,80	2,000
10	45,72	1,800
9	40,64	1,600
8	35,56	1,400
7	30,48	1,200
6	25,40	1,000
5	20,32	0,800
4	15,24	0,600
3	10,16	0,400
2	5,08	0,200
n	L1 [mm]	L1 [Inch]

For the mounting of PCBs, it should be noted that the rated data stated here relates only to the PCB components alone.
The necessary creepage and clearance paths must be observed in connection with the respective applicant in accordance to IEC 664 / VDE 0110.
The current-carrying capacity and pitch tolerance is to be determined according to DIN IEC 326 part 3 very fine.
Weidmüller PCB components are tested to the DIN EN 61984 standard, and are valid for its field of application.
Provided that the components are used to the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.

SHOWN:BLDT 5.08/04

GENERAL TOLERANCE: DIN ISO 2768-m		78271/5 07.10.14 AMANN_A 00		CAT.NO.: .	
RoHS COMPLIANT		MODIFICATION		Weidmüller	
DRAWN		DATE	NAME	DRAWING NO. C 21389 07	
RESPONSIBLE		02.11.2007	HELIS_MA	ISSUE NO.	
SUPERSEDES: -		CHECKED	07.10.2014	SHEET 01 OF 02 SHEETS	
SUPERSEDED BY: .		APPROVED	LANG_T	PRODUCT FILE:BLDT 5.08	
				7129	

BLDT 5.08/../(B)
Buchsenleiste
SOCKET BLOCK