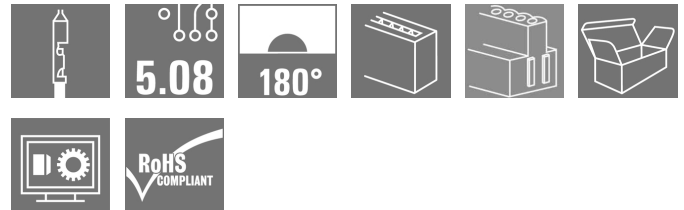


## OMNIMATE Signal - series BL/SL 5.08 BLC 5.08/16/180BR OR BX

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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 5.08/16/180BR OR BX
Order No.	<a href="#">1649510000</a>
Version	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 16, 180°, Crimp connection, Clamping range, max. : 2.5 mm <sup>2</sup> , Box
GTIN (EAN)	4008190294625
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 4:37:05 PM CEST

**OMNIMATE Signal - series BL/SL 5.08  
BLC 5.08/16/180BR OR BX**

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

Width	83.28 mm	Width (inches)	3.279 inch
Height	10.1 mm	Height (inches)	0.398 inch
Depth	24.5 mm	Depth (inches)	0.965 inch
Net weight	9.6 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	16	L1 in mm	76.2 mm
L1 in inches	3 inch	Number of rows	1
Pin series quantity	1	Rated cross-section	2.5 mm <sup>2</sup>
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 <sup>8</sup> 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 <sup>2</sup>	Clamping range, max.	2.5 mm <sup>2</sup>
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 <sup>2</sup>	Flexible, max. H05(07) V-K	2.5 mm <sup>2</sup>
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 <sup>2</sup>


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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	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

**Data sheet**

**OMNIMATE Signal - series BL/SL 5.08  
BLC 5.08/16/180BR OR BX**

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**Technical data**

**Notes**

Notes	<ul style="list-style-type: none"> <li>• Additional colours on request</li> <li>• Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>• Rated cross-section depends on crimp contact used.</li> <li>• P on drawing = pitch</li> <li>• 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.</li> </ul>
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	<a href="#">Declaration of the Manufacturer</a>
Brochure/Catalogue	<a href="#">FL DRIVES EN</a> <a href="#">MB DEVICE MANUF. EN</a> <a href="#">FL DRIVES DE</a> <a href="#">CAT 2 PORTFOLIOGUIDE EN</a> <a href="#">FL BUILDING SAFETY EN</a> <a href="#">FL APPL LED LIGHTING EN</a> <a href="#">FLIndustr.CONTROLS EN</a> <a href="#">FL MACHINE SAFETY EN</a> <a href="#">FL HEATING ELECTR EN</a> <a href="#">FL APPL INVERTER EN</a> <a href="#">FL_BASE_STATION EN</a> <a href="#">FL ELEVATOR EN</a> <a href="#">FL POWER SUPPLY EN</a> <a href="#">FL 72H SAMPLE SER EN</a> <a href="#">PO OMNIMATE EN</a>
Engineering Data	<a href="#">WSCAD</a>
Engineering Data	<a href="#">STEP</a>

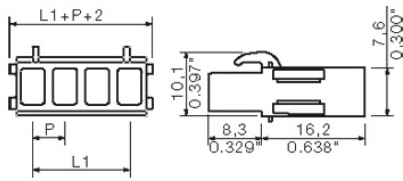
**Data sheet**

**OMNIMATE Signal - series BL/SL 5.08  
BLC 5.08/16/180BR OR BX**

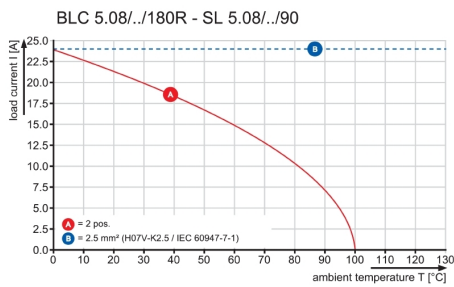
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**Drawings**

**Dimensional drawing**



**Graph**



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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 5.08/16/180TB KF SN ...	Version	Product data	Packaging
Order No.	<a href="#">1846180000</a>	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 16,	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm <sup>2</sup>	Box
GTIN (EAN)	4032248362462	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm <sup>2</sup> ,	UL: 300 V / 14 A / AWG 26 - AWG 12	
Qty.	5 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/16/180G 1 ...	Version	Product data	Packaging
Order No.	<a href="#">1776272001</a>	PCB plug-in connector, male header, closed side, THT/THR solder	IEC: 400 V / 27.5 A	Box
GTIN (EAN)	4032248159055	connection, 5.08 mm, Number of poles: 16, 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/16/180G 3 ...	Version	Product data	Packaging
Order No.	<a href="#">1838350000</a>	PCB plug-in connector, male header, closed side, THT/THR solder	IEC: 400 V / 27.5 A	Box
GTIN (EAN)	4032248348411	connection, 5.08 mm, Number of poles: 16, 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 5.08/16/180BR 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 5.08/16/135 3.2SN OR ...	Version	Product data	Packaging
Order No.	<a href="#">1603200000</a>	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 16, 135°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 400 V / 17 A UL: 300 V / 15 A	Box
GTIN (EAN)	4008190123635			
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/16/180B 3.2SN ...	Version	Product data	Packaging
Order No.	<a href="#">1149870000</a>	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, Number of poles: 16, 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)	4032248934263			
Qty.	50 pc(s).			
Type	SL 5.08HC/16/180B 3.2SN ...	Version	Product data	Packaging
Order No.	<a href="#">1147770000</a>	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, Number of poles: 16, 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)	4032248933747			
Qty.	50 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08  
BLC 5.08/16/180BR 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/32/90B 3.2 SN ...	Version	Product data	Packaging
Order No.	<a href="#">1726420000</a>	PCB plug-in connector, male header, Dovetails for fixing blocks, THT	IEC: 400 V / 17 A	Box
GTIN (EAN)	4032248061396	solder connection, 5.08 mm, Number of poles: 32, 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 5.08/16/180B 3.2SN O ...	Version	Product data	Packaging
Order No.	<a href="#">1520960000</a>	PCB plug-in connector, male header, Dovetails for fixing blocks, THT	IEC: 400 V / 18 A	Box
GTIN (EAN)	4008190145149	solder connection, 5.08 mm, Number of poles: 16, 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  
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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/16/90 3.2 ...	Version	Product data	Packaging
Order No.	<a href="#">1780090000</a>	PCB plug-in connector, male header, open side, THT/THR solder connection, 5.08 mm, Number of poles: 16, 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)	4032248165414			
Qty.	50 pc(s).			
Type	SL-SMT 5.08HC/16/90 1.5 ...	Version	Product data	Packaging
Order No.	<a href="#">1774902001</a>	PCB plug-in connector, male header, open side, THT/THR solder connection, 5.08 mm, Number of poles: 16, 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)	4032248155842			
Qty.	50 pc(s).			

**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/16/90G 3. ...	Version	Product data	Packaging
Order No.	<a href="#">1780320000</a>	PCB plug-in connector, male header, closed side, THT/THR solder connection, 5.08 mm, Number of poles: 16, 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)	4032248165643			
Qty.	50 pc(s).			
Type	SL-SMT 5.08HC/16/90G 1. ...	Version	Product data	Packaging
Order No.	<a href="#">1775142001</a>	PCB plug-in connector, male header, closed side, THT/THR solder connection, 5.08 mm, Number of poles: 16, 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)	4032248156719			
Qty.	50 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08  
BLC 5.08/16/180BR OR BX**

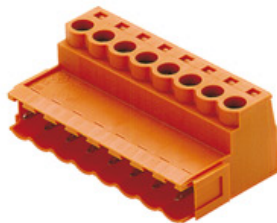
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**Mating connector (fully pluggable)**
**SL 5.08HC/90G**


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/16/90G 3.2SN ...	Version	Product data	Packaging
Order No.	<a href="#">1147740000</a>	PCB plug-in connector, male header, closed side, THT solder connection, 5.08 mm, Number of poles: 16, 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)	4050118051131			
Qty.	50 pc(s).			
Type	SL 5.08HC/16/90G 3.2SN ...	Version	Product data	Packaging
Order No.	<a href="#">1155480000</a>	PCB plug-in connector, male header, closed side, THT solder connection, 5.08 mm, Number of poles: 16, 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)	4050118050448			
Qty.	50 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 5.08/16/180B SN OR ...	Version	Product data	Packaging
Order No.	<a href="#">1627380000</a>	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 16, 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)	4008190199890			
Qty.	18 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08  
BLC 5.08/16/180BR 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/32/90 3.2 SN ...	Version	Product data	Packaging
Order No.	<a href="#">1725310000</a>	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 32, 90°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 400 V / 17 A UL: 300 V / 10 A	Box
GTIN (EAN)	4032248060719			
Qty.	10 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 5.08/16/90B 3.2SN OR ...	Version	Product data	Packaging
Order No.	<a href="#">1511760000</a>	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, Number of poles: 16, 90°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 400 V / 18 A UL: 300 V / 15 A	Box
GTIN (EAN)	4008190020552			
Qty.	50 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08  
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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 5.08/16/90 3.2SN OR ...	Version	Product data	Packaging
Order No.	<a href="#">1509460000</a>	PCB plug-in connector, male header, open side, THT solder	IEC: 400 V / 18 A	Box
GTIN (EAN)	4008190147464	connection, 5.08 mm, Number of poles: 16, 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/16/180 3.2SN ...	Version	Product data	Packaging
Order No.	<a href="#">1148410000</a>	PCB plug-in connector, male header, open side, THT solder	IEC: 400 V / 24 A	Box
GTIN (EAN)	4032248934867	connection, 5.08 mm, Number of poles: 16, 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/16/180 3.2SN ...	Version	Product data	Packaging
Order No.	<a href="#">1146610000</a>	PCB plug-in connector, male header, open side, THT solder	IEC: 400 V / 24 A	Box
GTIN (EAN)	4032248933518	connection, 5.08 mm, Number of poles: 16, 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/32/180B 3.2SN ...	Version	Product data	Packaging
Order No.	<a href="#">1726880000</a>	PCB plug-in connector, male header, Dovetails for fixing blocks, THT	IEC: 400 V / 14 A	Box
GTIN (EAN)	4032248062775	solder connection, 5.08 mm, Number of poles: 32, 180°, Solder pin	UL: 300 V / 10 A	
Qty.	10 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 5.08/16/180B SN OR ...	Version	Product data	Packaging
Order No.	<a href="#">1611850000</a>	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 16,	IEC: 400 V / 16 A / 0.2 - 2.5 mm <sup>2</sup>	Box
GTIN (EAN)	4008190192730	180°, TOP connection, Clamping range, max. : 2.5 mm <sup>2</sup> , Box	UL: 300 V / 15 A / AWG 26 - AWG 14	
Qty.	50 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08  
BLC 5.08/16/180BR OR BX**

**Weidmüller Interface GmbH & Co. KG**  
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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/16/90B 3.2SN ...	Version	Product data	Packaging
Order No.	<a href="#">1154920000</a>	PCB plug-in connector, male header, Dovetails for fixing blocks, THT	IEC: 400 V / 24 A	Box
GTIN (EAN)	4050118050905	solder connection, 5.08 mm, Number of poles: 16, 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/16/90B 3.2SN ...	Version	Product data	Packaging
Order No.	<a href="#">1155730000</a>	PCB plug-in connector, male header, Dovetails for fixing blocks, THT	IEC: 400 V / 24 A	Box
GTIN (EAN)	4050118050219	solder connection, 5.08 mm, Number of poles: 16, 90°, Solder pin	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	length (l): 3.2 mm, tinned, black, 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	SL 5.08HC/16/180G 3.2SN ...	Version	Product data	Packaging
Order No.	<a href="#">1147040000</a>	PCB plug-in connector, male header, closed side, THT solder	IEC: 400 V / 24 A	Box
GTIN (EAN)	4032248934065	connection, 5.08 mm, Number of poles: 16, 180°, Solder pin length	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	(l): 3.2 mm, tinned, orange, Box		
Type	SL 5.08HC/16/180G 3.2SN ...	Version	Product data	Packaging
Order No.	<a href="#">1149100000</a>	PCB plug-in connector, male header, closed side, THT solder	IEC: 400 V / 24 A	Box
GTIN (EAN)	4032248935017	connection, 5.08 mm, Number of poles: 16, 180°, Solder pin length	UL: 300 V / 18.5 A	
Qty.	50 pc(s).	(l): 3.2 mm, tinned, black, Box		

**OMNIMATE Signal - series BL/SL 5.08  
BLC 5.08/16/180BR OR BX**

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**Mating connector (fully pluggable)**
**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/16/90 3.2SN B ...	Version	Product data	Packaging
Order No.	<a href="#">1155200000</a>	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 16, 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)	4050118050677			
Qty.	50 pc(s).			
Type	SL 5.08HC/16/90 3.2SN O ...	Version	Product data	Packaging
Order No.	<a href="#">1147030000</a>	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 16, 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)	4050118051360			
Qty.	50 pc(s).			

**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 5.08/16/135B 3.2SN O ...	Version	Product data	Packaging
Order No.	<a href="#">1605670000</a>	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, Number of poles: 16, 135°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 400 V / 17 A UL: 300 V / 15 A	Box
GTIN (EAN)	4008190153816			
Qty.	50 pc(s).			

**OMNIMATE Signal - series BL/SL 5.08  
BLC 5.08/16/180BR OR BX**

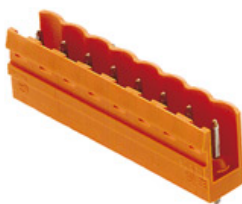
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**Mating connector (fully pluggable)**
**SLDV 5.08/180**


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	SLD 5.08V/32/180 3.2SN ...	Version	Product data	Packaging
Order No.	<a href="#">1725790000</a>	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 32, 180°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 400 V / 14 A UL: 300 V / 10 A	Box
GTIN (EAN)	4032248062089			
Qty.	10 pc(s).			

**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 5.08/16/180 3.2SN OR ...	Version	Product data	Packaging
Order No.	<a href="#">1518660000</a>	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, Number of poles: 16, 180°, Solder pin length (l): 3.2 mm, tinned, orange, Box	IEC: 400 V / 18 A UL: 300 V / 15 A	Box
GTIN (EAN)	4008190083304			
Qty.	50 pc(s).			



**OMNIMATE Signal - series BL/SL 5.08  
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**Mating connector (fully pluggable)**
**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 5.08/16/180TB RF15 ...	Version	Product data	Packaging
Order No.	<a href="#">1846100000</a>	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 16,	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm <sup>2</sup>	Box
GTIN (EAN)	4032248362387	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm <sup>2</sup> ,	UL: 300 V / 14 A / AWG 26 - AWG 12	
Qty.	5 pc(s).	Box		

**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 5.08/16/180 SN OR BX	Version	Product data	Packaging
Order No.	<a href="#">1627230000</a>	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 16,	IEC: 400 V / 21.5 A / 0.2 - 2.5 mm <sup>2</sup>	Box
GTIN (EAN)	4008190199746	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm <sup>2</sup> ,	UL: 300 V / 14 A / AWG 26 - AWG 12	
Qty.	18 pc(s).	Box		

**OMNIMATE Signal - series BL/SL 5.08  
BLC 5.08/16/180BR OR BX**

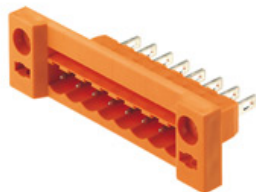
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**Mating connector (fully pluggable)**
**SL-SMT 5.08/180 Box**


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/16/180 3. ...	Version	Product data	Packaging
Order No.	<a href="#">1838120000</a>	PCB plug-in connector, male header, open side, THT/THR solder connection, 5.08 mm, Number of poles: 16, 180°, 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)	4032248348183			
Qty.	50 pc(s).			
Type	SL-SMT 5.08/16/180 1.5S ...	Version	Product data	Packaging
Order No.	<a href="#">1775742001</a>	PCB plug-in connector, male header, open side, THT/THR solder connection, 5.08 mm, Number of poles: 16, 180°, 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)	4032248158393			
Qty.	50 pc(s).			

**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 16 SN OR ...	Version	Product data	Packaging
Order No.	<a href="#">1599270000</a>	PCB plug-in connector, male header, 5.08 mm, Number of poles: 16, 180°, Flat-blade connection, Solder connection, Box	IEC: 400 V / 15 A UL: 300 V / 10 A	Box
GTIN (EAN)	4008190066826			
Qty.	18 pc(s).			

## OMNIMATE Signal - series BL/SL 5.08 BLC 5.08/16/180BR 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.	<a href="#">1604120000</a>	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.	<a href="#">1692340000</a>	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.	<a href="#">1626880000</a>	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.	<a href="#">1593450000</a>	PCB plug-in connector, Accessories, Mounting block, orange, Number		Box
GTIN (EAN)	4008190122164	of poles: 1		
Qty.	100 pc(s).			

## OMNIMATE Signal - series BL/SL 5.08 BLC 5.08/16/180BR OR BX

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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.	<a href="#">9014140000</a>	Pressing tool, Crimping tool for contacts, 0.22mm <sup>2</sup> , 2.5mm <sup>2</sup> ,
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.	<a href="#">1604230000</a>	PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping		Box
GTIN (EAN)	4008190117498	range : 0.35 mm <sup>2</sup>		
Qty.	3,000 pc(s).			
Type	DFFC 0.5-1.0 SN E	Version	Product data	Packaging
Order No.	<a href="#">1567060000</a>	PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping		Box
GTIN (EAN)	4008190166991	range : 1 mm <sup>2</sup>		
Qty.	250 pc(s).			

## OMNIMATE Signal - series BL/SL 5.08 BLC 5.08/16/180BR OR BX

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## Accessories

Type	DFFC 0.22-0.35 SN E	Version	Product data	Packaging
Order No.	<a href="#">1604250000</a>	PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping range : 0.35 mm <sup>2</sup>		Box
GTIN (EAN)	4008190042905			
Qty.	250 pc(s).			
Type	DFFC 0.5-1.0 SN 3000	Version	Product data	Packaging
Order No.	<a href="#">1480000000</a>	PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping range : 1 mm <sup>2</sup>		Box
GTIN (EAN)	4008190179175			
Qty.	3,000 pc(s).			
Type	DFFC 1.5-2.5 SN 2500	Version	Product data	Packaging
Order No.	<a href="#">1480100000</a>	PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping range : 2.5 mm <sup>2</sup>		Box
GTIN (EAN)	4008190100414			
Qty.	2,500 pc(s).			
Type	DFFC 1.5-2.5 SN E	Version	Product data	Packaging
Order No.	<a href="#">1567070000</a>	PCB plug-in connector, Crimp contact, Contact, tinned, Max. clamping range : 2.5 mm <sup>2</sup>		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.	<a href="#">1573010000</a>	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.	<a href="#">1545710000</a>	PCB plug-in connector, Accessories, Coding element, black, Number		Box
GTIN (EAN)	4008190087142	of poles: 1		
Qty.	50 pc(s).			