



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

Product image















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Female header for PCB mounting. The solder pin length is optimised for wave flow soldering.

General ordering data

Version	PCB plug-in connector, female header, closed side, THT solder connection, 5.08 mm, Number of poles: 11, 180°, Solder pin length (I): 3.2 mm, tinned, orange, Box	
Order No.	<u>1630800000</u>	
Туре	BLL 5.08/11/180 3.2 SN OR BX	
GTIN (EAN)	4008190204235	
Qty.	30 items	
Product data	IEC: 400 V / 23 A UL: 300 V / 15 A	
Packaging	Вох	





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Technical data

Approvals

Approvals



ROHS	Conform	
UL File Number Search	<u>UL Website</u>	
Certificate No. (UR)	E60693	

Dimensions and weights

Net weight 11.77 g

Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

System specifications

Product family	OMNIMATE Signal - series BL/SL 5.08	Type of connection	Board connection
Mounting onto the PCB	THT solder connection	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.200 "	Outgoing elbow	180°
Number of poles	11	Number of solder pins per pole	2
Solder pin length (I)	3.2 mm	Solder pin length tolerance	+0.1 / -0.3 mm
Solder pin dimensions	0.4 x 1.00 mm	Solder eyelet hole diameter (D)	1.3 mm
Solder eyelet hole diameter tolerance (I	D)+ 0,1 mm	L1 in mm	50.80 mm
L1 in inches	2.000 "	Number of rows	1
Pin series quantity	1	Touch-safe protection acc. to DIN VDE 57 106	Safe from back-of-hand touch
Touch-safe protection acc. to DIN VDE 0470	IP20 plugged	Protection degree	IP20
Volume resistance	≤5 mΩ	Can be coded	Yes
Plugging cycles	25	Plugging force/pole, max.	5 N
Pulling force/pole, max.	5 N		

Material data

Insulating material	PBT GF	Colour	orange
Colour chart (similar)	RAL 2000	Insulating material group	Illa
Comparative Tracking Index (CTI)	≥ 200	Insulation resistance	108 Ω
Moisture Level (MSL)		UL 94 flammability rating	V-0
Contact material	Copper alloy	Contact surface	tinned
Layer structure of solder connection	46 µm Sn hot-dip tinned	Layer structure of plug contact	46 µm Sn hot-dip tinned
Storage temperature, min.	-40 °C	Storage temperature, max.	70 °C
Operating temperature, min.	-50 °C	Operating temperature, max.	100 °C
Temperature range, installation, min.	-25 ℃	Temperature range, installation, max.	100 °C

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	23 A
Rated current, max. number of poles (Tu=20°C)	16 A	Rated current, min. number of poles (Tu=40°C)	20 A

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Technical data

Rated current, max. number of poles 14 A (Tu=40°C)	Rated voltage for surge voltage class / 400 V pollution degree II/2
Rated voltage for surge voltage class / 320 V pollution degree III/2	Rated voltage for surge voltage class / 250 V pollution degree III/3
Rated impulse voltage for surge voltage 4 V class/ pollution degree II/2	Rated impulse voltage for surge voltage 4 kV class/ pollution degree III/2
Rated impulse voltage for surge voltage 4 kV class/ contamination degree III/3	Short-time withstand current resistance 3 x 1s with 120 A

Rated data acc. to CSA

Institute (CSA)	CSA	Certificate No. (CSA)	200039-1121690
Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group D / CSA)	300 V
Rated current (Use group B / CSA)	15 A	Rated current (Use group D / CSA)	10 A
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

Rated data acc. to UL 1059

Institute (UR)	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)	15 A	Rated current (Use group D / UL 1059)	10 A
Reference to approval values	Specifications are maximum values, details -		

Packing

Packaging	Box	VPE length	348.00 mm
VPE width	135.00 mm	VPE height	31.00 mm

Important note

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.
Notes	Additional variants on request Gold-plated contact surfaces on request

- Rated current related to rated cross-section & min. No. of poles.
- 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.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

Classifications

ETIM 6.0	EC002637	ETIM 7.0	EC002637
ETIM 8.0	EC002637	ETIM 9.0	EC002637
ETIM 10.0	EC002637	ECLASS 9.0	27-44-04-02
ECLASS 9.1	27-44-04-02	ECLASS 10.0	27-44-04-02
ECLASS 11.0	27-46-02-01	ECLASS 12.0	27-46-02-01
ECLASS 13.0	27-46-02-01	ECLASS 14.0	27-46-02-01
ECLASS 15.0	27-46-02-01		

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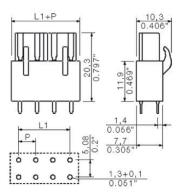
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Drawings

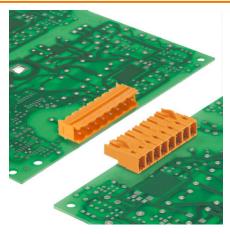
Product image



Dimensional drawing



Example of use





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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

Туре	BLZ/SL KO BK BX	Version
Order No.	<u>1545710000</u>	PCB plug-in connector, Accessories, Coding element, black, Number
GTIN (EAN)	4008190087142	of poles: 1
Qty.	50 ST	
Type	BLZ/SL KO OR BX	Version
Type Order No.	BLZ/SL KO OR BX 1573010000	Version PCB plug-in connector, Accessories, Coding element, orange, Number
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Counterpart

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 11 SN OR ...
 Version

 Order No.
 1599220000
 PCB plug-in connector, male header, 5.08 mm, Number of poles: 11,

 GTIN (EAN)
 4008190164089
 180°, Flat-blade connection, Solder connection, Box

 Qty.
 24 ST

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 5.08/11/135 3.2SN OR...
 Version

 Order No.
 1603150000
 PCB plug-in connector, male header, open side, THT solder

 GTIN (EAN)
 4008190011673
 connection, 5.08 mm, Number of poles: 11, 135°, Solder pin length

 Oty.
 50 ST
 (I): 3.2 mm, tinned, orange, Box

SL 5.08/135B



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

General ordering data

Туре	SL 5.08/11/135B 3.2SN O	Version
Order No.	1605620000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190177508	solder connection, 5.08 mm, Number of poles: 11, 135°, Solder pin
Qty.	50 ST	length (I): 3.2 mm, tinned, orange, Box

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Counterpart

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 5.08/11/180 3.2SN OR...
 Version

 Order No.
 1518160000
 PCB plug-in connector, male header, open side, THT solder

 GTIN (EAN)
 4008190115449
 connection, 5.08 mm, Number of poles: 11, 180°, Solder pin length

 Oty.
 50 ST
 (I): 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

Туре	SL 5.08/11/180B 3.2SN O	Version
Order No.	<u>1520460000</u>	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190023560	solder connection, 5.08 mm, Number of poles: 11, 180°, Solder pin
Qty.	50 ST	length (I): 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.

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General ordering data

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Туре	SL 5.08/11/90 3.2SN OR	Version
Order No.	<u>1508960000</u>	PCB plug-in connector, male header, open side, THT solder
GTIN (EAN)	4008190143459	connection, 5.08 mm, Number of poles: 11, 90°, Solder pin length (I):
Qty.	50 ST	3.2 mm, tinned, orange, Box



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Counterpart

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

Туре	SL 5.08/11/90B 3.2SN OR	Version
Order No.	<u>1511260000</u>	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4008190052584	solder connection, 5.08 mm, Number of poles: 11, 90°, Solder pin
Qty.	50 ST	length (I): 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/11/180 3.2SN	Version
Order No.	<u>1148310000</u>	PCB plug-in connector, male header, open side, THT solder
GTIN (EAN)	4032248933389	connection, 5.08 mm, Number of poles: 11, 180°, Solder pin length
Qty.	50 ST	(I): 3.2 mm, tinned, black, Box
Туре	SL 5.08HC/11/180 3.2SN	Version
Type Order No.	SL 5.08HC/11/180 3.2SN 1146550000	Version PCB plug-in connector, male header, open side, THT solder
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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.





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Counterpart

General ordering data

Type	SL 5.08HC/11/180B 3.2SN	Version
Order No.	1149700000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4032248934881	solder connection, 5.08 mm, Number of poles: 11, 180°, Solder pin
Qty.	50 ST	length (I): 3.2 mm, tinned, black, Box
Туре	SL 5.08HC/11/180B 3.2SN	Version
Type Order No.	SL 5.08HC/11/180B 3.2SN 1147610000	Version PCB plug-in connector, male header, Dovetails for fixing blocks, THT

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

Туре	SL 5.08HC/11/180G 3.2SN	Version
Order No.	<u>1148930000</u>	PCB plug-in connector, male header, closed side, THT solder
GTIN (EAN)	4032248934966	connection, 5.08 mm, Number of poles: 11, 180°, Solder pin length
Qty.	50 ST	(I): 3.2 mm, tinned, black, Box
Туре	SL 5.08HC/11/180G 3.2SN	Version
Type Order No.	SL 5.08HC/11/180G 3.2SN 1146930000	Version PCB plug-in connector, male header, closed side, THT solder
	, ,	

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

Туре	SL 5.08HC/11/90 3.2SN B	Version
Order No.	<u>1155140000</u>	PCB plug-in connector, male header, open side, THT solder
GTIN (EAN)	4050118050721	connection, 5.08 mm, Number of poles: 11, 90°, Solder pin length (I):
Qty.	50 ST	3.2 mm, tinned, black, Box
Type	SL 5.08HC/11/90 3.2SN O	Version
Type Order No.	SL 5.08HC/11/90 3.2SN O 1146920000	Version PCB plug-in connector, male header, open side, THT solder
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Counterpart

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/11/90B 3.2SN	Version
Order No.	1155680000	PCB plug-in connector, male header, Dovetails for fixing blocks, THT
GTIN (EAN)	4050118050264	solder connection, 5.08 mm, Number of poles: 11, 90°, Solder pin
Qty.	50 ST	length (I): 3.2 mm, tinned, black, Box
Туре	SL 5.08HC/11/90B 3.2SN	Version
Type Order No.	SL 5.08HC/11/90B 3.2SN 1154870000	Version PCB plug-in connector, male header, Dovetails for fixing blocks, THT
	, ,	

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

Туре	SLD 5.08V/22/180 3.2SN	Version
Order No.	<u>1725740000</u>	PCB plug-in connector, male header, open side, THT solder
GTIN (EAN)	4032248062034	connection, 5.08 mm, Number of poles: 22, 180°, Solder pin length
Qty.	10 ST	(I): 3.2 mm, tinned, orange, 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.

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Counterpart

General ordering data

Туре SLD 5.08V/22/90 3.2 SN ...

Order No. 1725260000

PCB plug-in connector, male header, open side, THT solder

GTIN (EAN) 4032248060665

3.2 mm, tinned, orange, Box

SLDV 5.08/90B

Qty.



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

SLD 5.08V/22/90B 3.2 SN... Type

1726370000 Order No. GTIN (EAN)

4032248061341

10 ST

Qty.

PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, Number of poles: 22, 90°, Solder pin

connection, 5.08 mm, Number of poles: 22, 90°, Solder pin length (I):

length (I): 3.2 mm, tinned, orange, 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

SL-SMT 5.08HC/11/180 3.... Type

4032248348138 GTIN (EAN)

Order No.

Qty.

1838070000

PCB plug-in connector, male header, open side, THT/THR solder

connection, 5.08 mm, Number of poles: 11, 180°, Solder pin length

(I): 3.2 mm, tinned, black, Box

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Counterpart

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/11/180G 3...
 Version

 Order No.
 1838300000
 PCB plug-in connector, male header, closed side, THT/THR solder

 GTIN (EAN)
 4032248348367
 connection, 5.08 mm, Number of poles: 11, 180°, Solder pin length

 Qty.
 50 ST
 (I): 3.2 mm, tinned, black, Box

SL-SMT 5.08HC/90 Box



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

General ordering data

 Type
 SL-SMT 5.08HC/11/90 3.2...
 Version

 Order No.
 1780040000
 PCB plug-in connector, male header, open side, THT/THR solder

 GTIN (EAN)
 4032248165360
 connection, 5.08 mm, Number of poles: 11, 90°, Solder pin length (I):

 Qty.
 50 ST
 3.2 mm, tinned, black, Box

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

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Туре	SL-SMT 5.08HC/11/90G 3	Version
Order No.	1780270000	PCB plug-in connector, male header, closed side, THT/THR solder
GTIN (EAN)	4032248165599	connection, 5.08 mm, Number of poles: 11, 90°, Solder pin length (I):
Qty.	50 ST	3.2 mm, tinned, black, Box



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Counterpart

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

Туре	SLF 5.08/11/180 SN BK BX	Version
Order No.	1335730000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 11,
GTIN (EAN)	4050118139167	180°, PUSH IN with actuator, Clamping range, max.: 3.31 mm², Box
Qty.	30 ST	
Туре	SLF 5.08/11/180 SN OR BX	Version
Type Order No.	SLF 5.08/11/180 SN OR BX 1335420000	Version PCB plug-in connector, male plug, 5.08 mm, Number of poles: 11,

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

Туре	SLF 5.08/11/180B SN BK	Version
Order No.	1335970000	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 11,
GTIN (EAN)	4050118139327	180°, PUSH IN with actuator, Clamping range, max.: 3.31 mm², Box
Qty.	30 ST	
Туре	SLF 5.08/11/180B SN OR	Version
Type Order No.	SLF 5.08/11/180B SN OR 1335540000	Version PCB plug-in connector, male plug, 5.08 mm, Number of poles: 11,
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Counterpart

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 5.08/11/180B SN OR ... Version

Order No.1611800000PCB plug-in connector, male plug, 5.08 mm, Number of poles: 11,GTIN (EAN)4008190192686180°, TOP connection, Clamping range, max.: 2.5 mm², Box

Qty. 50 ST

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

Туре	SLS 5.08/11/180 SN OR BX	Version
Order No.	<u>1627180000</u>	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 11,
GTIN (EAN)	4008190199692	180°, Clamping yoke connection, Clamping range, max.: 3.31 mm²,
Qty.	30 ST	Box

SLS 5.08/180B



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

General ordering data

Туре	SLS 5.08/11/180B SN OR	Version
Order No.	<u>1627330000</u>	PCB plug-in connector, male plug, 5.08 mm, Number of poles: 11,
GTIN (EAN)	4008190199845	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm²,
Qty.	30 ST	Вох

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