

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany Fon: +49 5231 14-0 Fax: +49 5231 14-292083 www.weidmueller.com





Similar to illustration

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

Туре	SL-SMT 5.08HC/11/90 3.2SN BK BX
Order No.	<u>1780040000</u>
Version	PCB plug-in connector, male header, open side, THT/THR solder connection, 5.08 mm, Number of poles: 11, 90°, Solder pin length (I): 3.2 mm, tinned, black, Box
GTIN (EAN)	4032248165360
Qty.	50 pc(s).
Product data	IEC: 400 V / 27.5 A UL: 300 V / 18.5 A
Packaging	Box

Technical data



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Dimensions and weights

Width	55.88 mm	Width (inches)	2.2 inch
Height	11.7 mm	Height (inches)	0.461 inch
Height of lowest version	8.5 mm	Depth	12 mm
Depth (inches)	0.472 inch	Net weight	4.8 g

System specifications

Product family	OMNIMATE Signal - series	Type of connection	
	BL/SL 5.08		Board connection
Mounting onto the PCB	THT/THR solder	Pitch in mm (P)	
	connection		5.08 mm
Pitch in inches (P)	0.2 inch	Outgoing elbow	90°
Number of poles	11	Number of solder pins per pole	1
Solder pin length (I)	3.2 mm	Solder pin length tolerance	0 / -0.3 mm
Tolerance of solder pin position	± 0.15 mm	Solder pin dimensions	d = 1.2 mm, Octagonal
Solder eyelet hole diameter (D)	1.5 mm	Solder eyelet hole diameter tolerand	ce (D)+ 0,1 mm
L1 in mm	50.8 mm	L1 in inches	2 inch
Number of rows	1	Pin series quantity	1
Volume resistance	≤ 5mΩ	Can be coded	Yes
Plugging cycles	25	Plugging force/pole, max.	9 N
Pulling force/pole, max.	7 N		

Material data

Insulating material	LCP GF	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	Illa
Comparative Tracking Index (CTI)	≥ 175	Insulation strength	≥ 10 ⁸ Ω
Moisture Level (MSL)	1	UL 94 flammability rating	V-0
GWIT	930 °C	GWFI	960 °C
Contact material	CuMg	Contact surface	tinned
Layer structure of solder connection	1-3 μm Ni / 2-4 μm Sn matt	Layer structure of plug contact	1-3 µm Ni / 2-4 µm Sn matt
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.	-30 °C
Temperature range, installation, max.	100 °C		

Rated data acc. to IEC

tested acc. to standard		Rated current, min. number of poles	
	IEC 60664-1, IEC 61984	(Tu=20°C)	27.5 A
Rated current, max. number of poles		Rated current, min. number of poles	
(Tu=20°C)	19 A	(Tu=40°C)	24 A
Rated current, max. number of poles		Rated voltage for surge voltage class /	
(Tu=40°C)	16.5 A	pollution degree II/2	400 V
Rated voltage for surge voltage class /		Rated voltage for surge voltage class /	
pollution degree III/2	320 V	pollution degree III/3	250 V
Rated impulse voltage for surge voltage		Rated impulse voltage for surge voltage	
class/ pollution degree II/2	4 kV	class/ pollution degree III/2	4 kV
Rated impulse voltage for surge voltage			
class/ contamination degree III/3	4 kV		

Technical data

Rated data acc. to CSA



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Institute (CSA)	(Th.	Certificate No. (CSA)	
	Q.		200039-1176845
Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group D / CSA)	300 V
Rated current (Use group B / CSA)	18.5 A	Rated current (Use group D / CSA)	18.5 A
Reference to approval values	Specifications are maximum values, details - see approval certificate.		
Rated data acc. to UL 1059			
Institute (UR)	A L	Certificate No. (UR)	E60693
Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group D / UL 1059)	
Rated current (Use group B / UL 1059)	18.5 A	Rated current (Use group D / UL 1059)	
Reference to approval values	Specifications are maximum values, details - see approval certificate.		
Packing			
Packaging	Вох	VPE length	30 mm
VPE width	115 mm	VPE height	165 mm
Classifications		5	
ETIM 6.0	EC002637	ETIM 7.0	EC002637
eClass 9.0	27-44-04-02	eClass 9.1	27-44-04-02
eClass 10.0	27-44-04-02	UNSPSC	30-21-18-10
Notes			
Notes	Additional colours on request	t	
	Gold-plated contact surfaces	on request	
	Rated current related to rated	cross-section & min. No. of poles.	
	• Diameter of solder eyelet D =	= 1.4+0.1mm	
	• Solder eyelet diameter D = 1.	5 + 0.1 mm, from 9 poles	
	• P on drawing = pitch		
		omponent itself. Clearance and creepage distand vith the relevant application standards.	ces to other components are to
IPC conformity	Conformity: The products are de standards and norms and comp	eveloped, manufactured and delivered according ly with the assured properties in the data sheet to Class 2". Further claims on the products can be e	resp. fulfill decorative propertie

Technical data

Approvals

Approvals

ROHS



Downloads

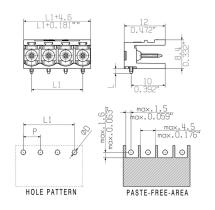
Approval/Certificate/Document of	
Conformity	Declaration of the Manufacturer
Brochure/Catalogue	FL DRIVES EN
	MB SMT EN
	FL DRIVES DE
	MB DEVICE MANUF. EN
	CAT 2 PORTFOLIOGUIDE EN
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	FL_BASE_STATION_EN
	FL ELEVATOR EN
	FL POWER SUPPLY EN
	FL 72H SAMPLE SER EN
	PO OMNIMATE EN
Engineering Data	EPLAN, WSCAD
Engineering Data	STEP
White paper surface mount technology	Download Whitepaper



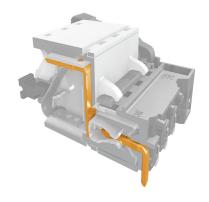
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Drawings

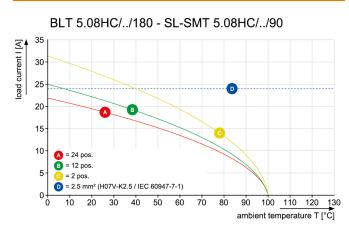
Dimensional drawing



Product benefits



Graph



Safe power transmission
Product benefits
Proven properties





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Mating connector (conditionally pluggable)

BLT 5.08HC/180B



OMNIMATE Signal - series BL/SL 5.08

SL-SMT 5.08HC/11/90 3.2SN BK BX

Female plugs with TOP screw connection system for connecting wires with straight 180° outlet direction. The female connectors provide space for labelling and can be coded. HC = High Current.

Туре	BLT 5.08HC/11/180B SN 0	Version	Product data	Packaging
Order No.	<u>1502760000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,	IEC: 400 V / 27 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4008190072759	180°, TOP connection, Clamping range, max. : 2.5 mm², Box	UL: 300 V / 17 A / AWG 26 - AWG 14	
Qty.	30 pc(s).			

Mating connector (fully pluggable)

BLC 5.08R





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

General ordering data

Туре	BLC 5.08/11/180R OR BX	Version	Product data	Packaging
Order No.	<u>1610580000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,	IEC: 400 V / 21 A	Box
GTIN (EAN)	4008190059903	180°, Crimp connection, Clamping range, max. : 2.5 mm², Box	UL: 300 V / 10 A / AWG 26 - AWG 1	4
Qty.	50 pc(s).			
Туре	BLC 5.08/11/180R BK BX	Version	Product data	Packaging
Type Order No.	BLC 5.08/11/180R BK BX 1712050000	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,	Product data IEC: 400 V / 21 A	Packaging Box
				Box

BLL 5.08/180



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

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

Mating connector (fully pluggable)

BLF 5.08HC/270 SN

PULLIN ...



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Just as reliable as the millionfold proven original and featuring innovative details:

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

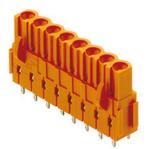
In terms of versatility, the BLF 5.08HC offers just as much as the version which served as a model:

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

General ordering data

	-			
Туре	BLF 5.08HC/11/270 SN OR	Version	Product data	Packaging
Order No.	<u>1982790000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248686889	270°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ²	, UL: 300 V / 18.5 A / AWG 26 - AWG	
Qty.	30 pc(s).	Box	12	
Туре	BLF 5.08HC/11/270 SN BK	Version	Product data	Packaging
Type Order No.	BLF 5.08HC/11/270 SN BK 1982020000	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,		Packaging Box
			IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Packaging Box

BLL 5.08/180B



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

Туре	BLL 5.08/11/180B 3.2SN	Version	Product data	Packaging
Order No.	<u>1682820000</u>	PCB plug-in connector, female header, Dovetails for fixing blocks, THT	IEC: 400 V / 23 A	Box
GTIN (EAN)	4008190474584	solder connection, 5.08 mm, Number of poles: 11, 180°, Solder pin	UL: 300 V / 15 A	
Qty.	30 pc(s).	length (I): 3.2 mm, tinned, orange, Box		

Mating connector (fully pluggable)

BLZP 5.08HC/225B SN



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Clamping-yoke connection with right-angled (90° or 270°) or angled (225°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. The also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Туре	BLZP 5.08HC/11/225B SN	Version	Product data	Packaging
Order No.	<u>1945840000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248621316	225°, Clamping yoke connection, Clamping range, max. : 4 mm^2,Box	UL: 300 V / 15 A / AWG 26 - AWG 12	2
Qty.	30 pc(s).			
Туре	BLZP 5.08HC/11/225B SN	Version	Product data	Packaging
Type Order No.	BLZP 5.08HC/11/225B SN 1946070000	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,		Packaging Box
			IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box

BLZP 5.08HC/90 SN



Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Туре	BLZP 5.08HC/11/90 SN BK	Version	Product data	Packaging
Order No.	<u>1948330000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248624850	$90^\circ,$ Clamping yoke connection, Clamping range, max. : 4 mm², Box	UL: 300 V / 20 A / AWG 26 - AWG 12	2
Qty.	30 pc(s).			
Туре	BLZP 5.08HC/11/90 SN OR	Version	Product data	Packaging
Type Order No.	BLZP 5.08HC/11/90 SN OR 1948100000	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,	Product data IEC: 400 V / 23 A / 0.2 - 4 mm ²	Packaging Box
				Box

Mating connector (fully pluggable)

BLDT 5.08B





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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

Туре	BLDT 5.08/11/-B SN BK BX	Version	Product data	Packaging
Order No.	<u>1673870000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,	IEC: 400 V / 14 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4008190435608	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm²,	UL: 300 V / 10 A / AWG 26 - AWG 1	2
Qty.	25 pc(s).	Box		
Туре	BLDT 5.08/11/-B SN OR BX	Version	Product data	Packaging
Type Order No.	BLDT 5.08/11/-B SN OR BX 1651830000	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,		Packaging Box
			IEC: 400 V / 14 A / 0.2 - 2.5 mm ²	Box

BLF 5.08HC/90 SN



Just as reliable as the millionfold proven original and featuring innovative details:

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

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

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

BLF 5.08HC/11/90 SN OR ... Туре Version Product data Packaging 1001620000 Order No. PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11, IEC: 400 V / 24 A / 0.2 - 2.5 mm² Box 4032248693429 GTIN (EAN) 90°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm², UL: 300 V / 18.5 A / AWG 26 - AWG Qty. 30 pc(s). Box 12 Packaging BLF 5.08HC/11/90 SN BK ... Туре Version Product data Order No. 1000120001 PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11, IEC: 400 V / 24 A / 0.2 - 2.5 mm² Box GTIN (EAN) 4032248690060 90°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm², UL: 300 V / 18.5 A / AWG 26 - AWG Qty. 30 pc(s). Box 12

General ordering data

Mating connector (fully pluggable)

BLDT 5.08



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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

Туре	BLDT 5.08/11/- SN BK BX	Version	Product data	Packaging
Order No.	<u>1660800000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,	IEC: 400 V / 14 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4008190417253	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm²,	UL: 300 V / 10 A / AWG 26 - AWG 12	2
Qty.	25 pc(s).	Box		
Туре	BLDT 5.08/11/- SN OR BX	Version	Product data	Packaging
Type Order No.	BLDT 5.08/11/- SN OR BX 1644820000	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,	Product data IEC: 400 V / 14 A / 0.2 - 2.5 mm ²	Packaging Box
			IEC: 400 V / 14 A / 0.2 - 2.5 mm ²	Box

BLZP 5.08HC/225 SN



Clamping-yoke connection with right-angled (90° or 270°) or angled (225°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. The also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

	-			
Туре	BLZP 5.08HC/11/225 SN 0	Version	Product data	Packaging
Order No.	<u>1946340000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248622115	$225^\circ\!,$ Clamping yoke connection, Clamping range, max. : 4 mm², Box	UL: 300 V / 15 A / AWG 26 - AWG 12	2
Qty.	30 pc(s).			
Туре	BLZP 5.08HC/11/225 SN B	Version	Product data	Packaging
	BLZP 5.08HC/11/225 SN B 1946650000	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,		Packaging Box
Туре			IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box

Mating connector (fully pluggable)

BLC 5.08BR





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

General ordering data

Туре	BLC 5.08/11/180BR OR BX	Version	Product data	Packaging
Order No.	<u>1649460000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,	IEC: 400 V / 21 A	Box
GTIN (EAN)	4008190294571	180°, Crimp connection, Clamping range, max. : 2.5 mm², Box	UL: 300 V / 10 A / AWG 26 - AWG 1	4
Qty.	50 pc(s).			
Туре	BLC 5.08/11/180BR BK BX	Version	Product data	Packaging
Type Order No.	BLC 5.08/11/180BR BK BX 1712200000	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,	Product data IEC: 400 V / 21 A	Packaging Box
				Box

BLF 5.08HC/180 SN



Just as reliable as the millionfold proven original and featuring innovative details:

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

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

General ordering data

Туре	BLF 5.08HC/11/180 SN OR	Version	Product data	Packaging
Order No.	<u>1013780000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248721894	180°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ²	, UL: 300 V / 18.5 A / AWG 26 - AWG	
Qty.	30 pc(s).	Box	12	
Туре	BLF 5.08HC/11/180 SN BK	Version	Product data	Packaging
Type Order No.	BLF 5.08HC/11/180 SN BK 1013530000	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,		Packaging Box
			IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	

Mating connector (fully pluggable)

BLZP 5.08HC/180 SN



Female plug with clamping-yoke screw system for connecting wires with straight (180°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. The also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Туре	BLZP 5.08HC/11/180 SN B	Version	Product data	Packaging
Order No.	<u>1943900000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248618026	180°, Clamping yoke connection, Clamping range, max. : 4 mm², Box	UL: 300 V / 20 A / AWG 26 - AWG 12	2
Qty.	30 pc(s).			
Туре	BLZP 5.08HC/11/180 SN 0	Version	Product data	Packaging
Type Order No.	BLZP 5.08HC/11/180 SN O <u>1943670000</u>	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,		Packaging Box
			IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box

BLL 5.08/90



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

General ordering data

Туре	BLL 5.08/11/90 3.2 SN O	Version	Product data	Packaging
Order No.	<u>1623030000</u>	PCB plug-in connector, female header, closed side, THT solder	IEC: 400 V / 23 A	Box
GTIN (EAN)	4008190194086	connection, 5.08 mm, Number of poles: 11, 90°, Solder pin length (I):	: UL: 300 V / 15 A	
Qty.	30 pc(s).	3.2 mm, tinned, orange, Box		



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Mating connector (fully pluggable)

BLZP 5.08HC/270 SN



Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Туре	BLZP 5.08HC/11/270 SN 0	Version	Product data	Packaging
Order No.	<u>1948880000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248626335	$270^\circ\!,$ Clamping yoke connection, Clamping range, max. : 4 mm², Box	UL: 300 V / 20 A / AWG 26 - AWG 12	2
Qty.	30 pc(s).			
Туре	BLZP 5.08HC/11/270 SN B	Version	Product data	Packaging
Order No.	<u>1949110000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 11,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248626564	$270^\circ,$ Clamping yoke connection, Clamping range, max. : 4 mm², Box	UL: 300 V / 20 A / AWG 26 - AWG 12	2



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Accessories

LED Light guides

General ordering data

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Туре	SL FLA 3.8/1	Version	Product data	Packaging
Order No.	<u>1580110000</u>	PCB plug-in connector, Accessories, Flood-light display, Transparent,		Box
GTIN (EAN)	4008190050740	Number of poles: 1		
Qty.	100 pc(s).			
Туре	SL FLA 2,3/1	Version	Product data	Packaging
Order No.	<u>1636670000</u>	PCB plug-in connector, Accessories, Flood-light display, Transparent,		Box
GTIN (EAN)	4008190409975	Number of poles: 1		
Qty.	100 pc(s).			
Туре	SL FLA 2,3/24	Version	Product data	Packaging
Order No.	<u>1636680000</u>	PCB plug-in connector, Accessories, Flood-light display, Transparent,		Box
GTIN (EAN)	4008190409968	Number of poles: 1		
Qty.	10 pc(s).			
Туре	SL FLA 3.8/24	Version	Product data	
Order No.	<u>1595860000</u>	PCB plug-in connector, Accessories, Flood-light display, Transparent,		
GTIN (EAN)	4008190140892	Number of poles: 1		
Qty.	10 pc(s).			
Туре	SL FLA 9.0/24	Version	Product data	
Order No.	<u>1595870000</u>	PCB plug-in connector, Accessories, Flood-light display, Transparent,		
GTIN (EAN)	4008190079796	Number of poles: 1		
Qty.	10 pc(s).			
Туре	SL FLA 9.0/1	Version	Product data	Packaging
Order No.	<u>1580120000</u>	PCB plug-in connector, Accessories, Flood-light display, Transparent,		Box
GTIN (EAN)	4008190031909	Number of poles: 1		

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Effective: the link between LED and front panel.

Floodlight indicators allow users to monitor the switching states without requiring a special design: optical plastic directs the light from standard LEDs around a bend into the connectors or through the front plate.

The fibre-optic elements are simply clipped behind the relevant 90° bend male connectors (90° outlet direction). Versions with different incoming light beam heights achieve maximum light efficiency for LEDs with different designs or heights.

The advantages compared to conventional solutions:

- No additional LED circuit board required behind the front panel
- No "long-legged" LEDs with separate mounting required
- Bent fibre-optic cable line for maximum light efficiency
- Uncomplicated front plate bore holes due to circular shape of outgoing light beam
- Easy to maintain correct clearance and creepage distance
- Can be partitioned for smaller pole numbers

The result: simplified manufacturing process, reduced costs and simplified design

Accessories



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Туре	SL FLA 1.5/1	Version	Product data	Packaging
Order No.	<u>1580100000</u>	PCB plug-in connector, Accessories, Flood-light display, Transparent,		Box
GTIN (EAN)	4008190152475	Number of poles: 1		
Qty.	100 pc(s).			
Туре	SL FLA 1.5/24	Version	Product data	
Type Order No.	SL FLA 1.5/24 <u>1595850000</u>	Version PCB plug-in connector, Accessories, Flood-light display, Transparent,	Product data	
			Product data	

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.

Туре	BLZ/SL KO OR BX	Version	Product data	Packaging
Order No.	<u>1573010000</u>	PCB plug-in connector, Accessories, Coding element, orange, Numbe	r	Box
GTIN (EAN)	4008190048396	of poles: 1		
Qty.	100 pc(s).			
Туре	BLZ/SL KO BK BX	Version	Product data	Packaging
	BEE/ OF NO BR BR	Version	i louuci uata	гаскаушу
Order No.	<u>1545710000</u>	PCB plug-in connector, Accessories, Coding element, black, Number		Box
Order No. GTIN (EAN)				

Accessories

Additional accessories





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No task is too small when creating the perfect solution. br />

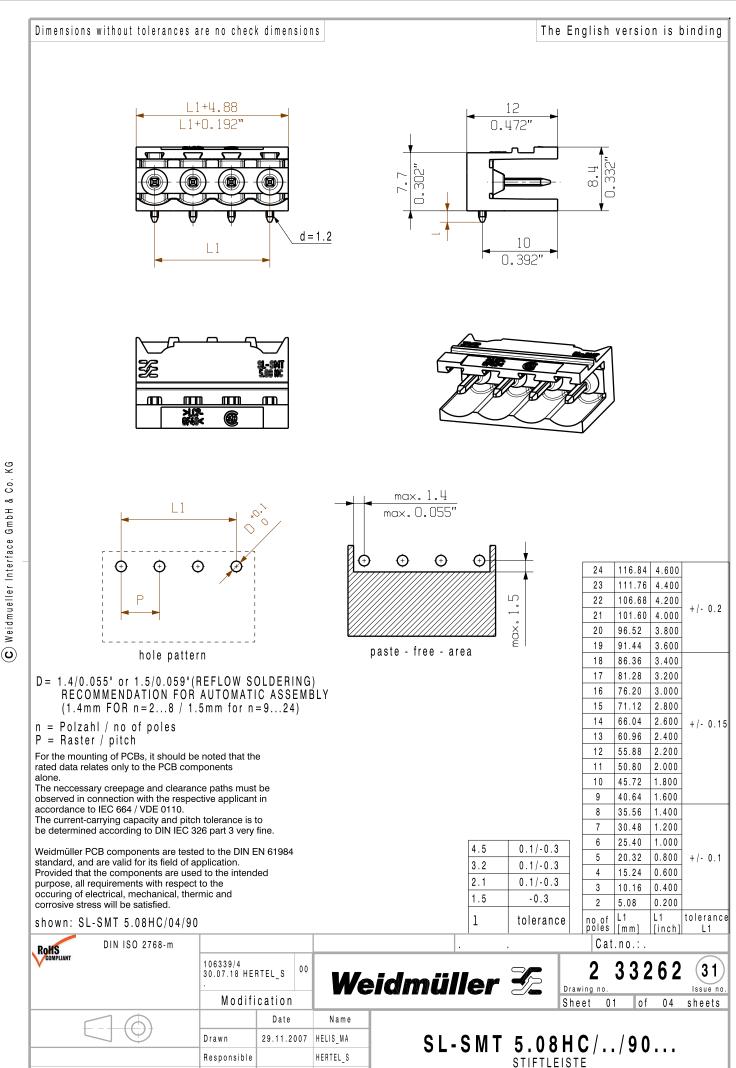
Connections form just one part of the overall process. Small details are often the key to the perfect solution in applications where potentials are tested, grouped or even isolated.

A system is not a system without small but useful details:

- Test plugs ensure reliable pick-up from diagnostic sockets
- Cross-connectors ensure a stable electrical distribution contact directly at the connection
- Compartment partition elements divide a large number of male connectors into several separate socket connector channels
- Locks and clips optional vibration-resistant clipon connection or mounting for male and female connectors

In tandem with the manufacturing process and application - more accessories = smaller workload

Туре	SL AT SW	Version	Product data	Packaging	
Order No.	<u>1770240000</u>	PCB plug-in connector, Accessories, Spacer, black, Number of poles:	1	Box	
GTIN (EAN)	4032248117710				
Qty.	100 pc(s).				
Туре	SL AT OR	Version	Product data	Packaging	
Type Order No.	SL AT OR <u>1598300000</u>	Version PCB plug-in connector, Accessories, Spacer, orange, Number of pole		Packaging Box	
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Scale: 2:1

Supersedes: .

7280

MALE HEADER

Product file: SL-SMT 5.08

Wave Solder Profile

Recommended wave solderding profiles

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Double Wave:

Single Wave:



Wave soldering profiles

Wired connection elements should be processed in accordance with the DIN EN 61760-1 standard. We have included two recommendations for practical wave soldering profiles, with which Weidmüller PCB terminals and connectors are qualified.

When choosing a suitable profile for your application, the following factors also need to be considered:

- PCB thickness
- Proportion of Cu in the layers
- Single/double-sided assembly
- Product range
- Heating and cooling rates

The single and double wave profiles each indicate the recommended operating range, including the maximum soldering temperature of 260°C. In practice, the maximum soldering temperature is quite often well below the above maximum profile.

Reflow Solder Profile

Recommended reflow soldering profile



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Time [sec]

Reflow soldering profile

The perfect soldering profile for SMT Surface Mount Technology is one the most exiting question in SMT production. But there are more than one correct answer: The diagram of temperature-on-time is related to processing features of solder paste and to maximum load of components.

We have to consider the following parameters:

- Time for pre heating
- Maximum temperature
- Time above melting point
- Time for cooling
- Maximum heating rate
- · Maximum cooling rate

We recommend a typical solder profile with associated process limits. With preheating components and board are prepared smoothly for the solder phase. Heating rate is typically $\leq +3$ K/s. In parallel the solder paste is ,activated'. The time above melting point of 217°C the paste gets liquid and components and boards begin to connect. The maximum temperature of 245°C to 254°C should stay between 10 and 40 seconds. In the cooling phase at \geq -6K/s solder is cured. Board and components cool down while avoiding cold cracks.