

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 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

Туре	SL-SMT 5.08HC/09/180G 1.5SN BK BX
Order No.	<u>1775992001</u>
Version	PCB plug-in connector, male header, closed side, THT/THR solder connection, 5.08 mm, Number of poles: 9, 180°, Solder pin length (I): 1.5 mm, tinned, black, Box
GTIN (EAN)	4032248158980
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	48.92 mm	Width (inches)	1.926 inch
Height	13.5 mm	Height (inches)	0.531 inch
Height of lowest version	12 mm	Depth	8.5 mm
Depth (inches)	0.335 inch	Net weight	4.24 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	180°
Number of poles	9	Number of solder pins per pole	1
Solder pin length (I)	1.5 mm	Solder pin length tolerance	0 / -0.3 mm
Tolerance of solder pin position	± 0.1 mm	Solder pin dimensions	d = 1.2 mm, Octagonal
Solder eyelet hole diameter (D)	1.4 mm	Solder eyelet hole diameter tolerand	ce (D)+ 0,1 mm
L1 in mm	40.64 mm	L1 in inches	1.6 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)	•	Certificate No. (CSA)	
	CD.		
	QE.		
			200039-1176845
Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group D / CSA)	300 V
Rated current (Use group D / CSA)		Reference to approval values	Specifications are maximum values, details
	18.5 A		see approval certificate.
Rated data acc. to UL 1059			
Institute (UR)	R	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			
	P.		05
Packaging VPE width	Box 120 mm	VPE length	35 mm 170 mm
VPE width	120 mm	VPE height	170 mm
Classifications			
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	27 44 04 02		00211010
10163			
Notes	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 /ith 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 in Class 2 ⁿ . Further claims on the products can be e	resp. fulfill decorative propertie

Technical data

Approvals

Approvals

ROHS



Downloads

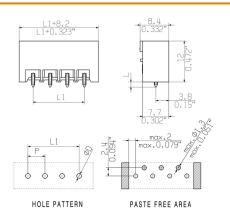
Approval/Certificate/Document of	<u>CB Certificate</u>
Conformity	<u>CB Testreport</u>
	Declaration of the Manufacturer
Brochure/Catalogue	FL DRIVES EN
	<u>MB SMT EN</u>
	<u>FL DRIVES DE</u>
	MB DEVICE MANUF. EN
	CAT 2 PORTFOLIOGUIDE EN
	FL BUILDING SAFETY EN
	FL APPL LED LIGHTING EN
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	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	WSCAD
Engineering Data	STEP
White paper surface mount technology	Download Whitepaper



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Drawings

Dimensional drawing



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Product benefits



Safe power transmission **Product benefits** Proven properties





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Mating connector (conditionally pluggable)

BLT 5.08HC/180B



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/09/180B SN 0	Version	Product data	Packaging
Order No.	<u>1502560000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	IEC: 400 V / 27 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4008190171117	180°, TOP connection, Clamping range, max. : 2.5 mm², Box	UL: 300 V / 17 A / AWG 26 - AWG 14	
Qty.	36 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 5.08/09/180R OR BX	Version	Product data	Packaging
Order No.	<u>1610560000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	IEC: 400 V / 21 A	Box
GTIN (EAN)	4008190158606	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 5.08/09/180R BK BX	Version	Product data	Packaging
. /	DEC 3.00/03/10011 DK DK	Verbien	i iouuot uutu	ruokuging
Order No.	<u>1712030000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	IEC: 400 V / 21 A	Box
				Box

BLL 5.08/180



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

Туре	BLL 5.08/09/180 3.2 SN	Version	Product data	Packaging
Order No.	<u>1630780000</u>	PCB plug-in connector, female header, closed side, THT solder	IEC: 400 V / 23 A	Box
GTIN (EAN)	4008190204204	connection, 5.08 mm, Number of poles: 9, 180°, Solder pin length (I):	UL: 300 V / 15 A	
Qty.	36 pc(s).	3.2 mm, tinned, orange, Box		
Туре	BLL 5.08/09/180 4.5SN 0	Version	Product data	Packaging
Order No.	<u>1646210000</u>	PCB plug-in connector, female header, closed side, THT solder	IEC: 400 V / 23 A	Box
GTIN (EAN)	4008190285555	connection, 5.08 mm, Number of poles: 9, 180°, Solder pin length (I):	UL: 300 V / 15 A	
Qty.	50 pc(s).	4.5 mm, tinned, orange, Box		
Туре	BLL 5.08/09/180 4.5SN B	Version	Product data	Packaging
Order No.	<u>1646320000</u>	PCB plug-in connector, female header, closed side, THT solder	IEC: 400 V / 23 A	Box
GTIN (EAN)	4008190285661	connection, 5.08 mm, Number of poles: 9, 180°, Solder pin length (I):	UL: 300 V / 15 A	
Qty.	50 pc(s).	4.5 mm, tinned, black, Box		

Mating connector (fully pluggable)

BLF 5.08HC/270 SN

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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.

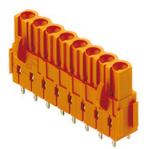
In terms of versatility, the BLF 5.08HC offers just as much as the version which served as a model:

- 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/09/270 SN BK	Version	Product data	Packaging
Order No.	<u>1982000000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248684694	270°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ²	, UL: 300 V / 18.5 A / AWG 26 - AWG	
Qty.	36 pc(s).	Box	12	
Туре	BLF 5.08HC/09/270 SN OR	Version	Product data	Packaging
Type Order No.	BLF 5.08HC/09/270 SN OR 1982770000	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	Product data IEC: 400 V / 24 A / 0.2 - 2.5 mm²	Packaging Box
			IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	00

BLL 5.08/180B



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

Туре	BLL 5.08/09/180B 3.2SN	Version	Product data	Packaging
Order No.	<u>1682800000</u>	PCB plug-in connector, female header, Dovetails for fixing blocks, THT	IEC: 400 V / 23 A	Box
GTIN (EAN)	4008190474560	solder connection, 5.08 mm, Number of poles: 9, 180°, Solder pin	UL: 300 V / 15 A	
Qty.	36 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/09/225B SN	Version	Product data	Packaging
Order No.	<u>1946050000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248621583	225°, Clamping yoke connection, Clamping range, max. : 4 mm², Box	UL: 300 V / 15 A / AWG 26 - AWG 12	2
Qty.	36 pc(s).			
Туре	BLZP 5.08HC/09/225B SN	Version	Product data	Packaging
Type Order No.	BLZP 5.08HC/09/225B SN 1945820000	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	Product data IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	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.

Туре	BLZP 5.08HC/09/90 SN BK	Version	Product data	Packaging
Order No.	<u>1948310000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248624836	90°, Clamping yoke connection, Clamping range, max. : 4 mm², Box	UL: 300 V / 20 A / AWG 26 - AWG 12	2
Qty.	36 pc(s).			
Туре	BLZP 5.08HC/09/90 SN OR	Version	Product data	Packaging
Type Order No.	BLZP 5.08HC/09/90 SN OR 1948070000	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	Product data IEC: 400 V / 23 A / 0.2 - 4 mm²	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 5.08/09/-B SN BK BX	Version	Product data	Packaging
Order No.	<u>1673850000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	IEC: 400 V / 14 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4008190435585	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm²,	UL: 300 V / 10 A / AWG 26 - AWG 12	2
Qty.	30 pc(s).	Box		
Туре	BLDT 5.08/09/-B SN OR BX	Version	Product data	Packaging
Order No.	<u>1651810000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	IEC: 400 V / 14 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4008190400491	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm²,	UL: 300 V / 10 A / AWG 26 - AWG 12	2
	30 pc(s).	Вох		

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/09/90 SN OR ... Туре Version Product data Packaging 1001600000 Order No. PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9, IEC: 400 V / 24 A / 0.2 - 2.5 mm² Box 4032248693405 GTIN (EAN) 90°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm², UL: 300 V / 18.5 A / AWG 26 - AWG Qty. 36 pc(s). Box 12 Packaging BLF 5.08HC/09/90 SN BK ... Tvpe Version Product data Order No. 1000100001 PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9, IEC: 400 V / 24 A / 0.2 - 2.5 mm² Box GTIN (EAN) 4032248690039 90°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm², UL: 300 V / 18.5 A / AWG 26 - AWG Qty. 36 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 5.08/09/- SN OR BX	Version	Product data	Packaging
Order No.	<u>1644800000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	IEC: 400 V / 14 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4008190284015	180°, Clamping yoke connection, Clamping range, max. : 3.31 mm²,	UL: 300 V / 10 A / AWG 26 - AWG 12	2
Qty.	30 pc(s).	Box		
Туре	BLDT 5.08/09/- SN BK BX	Version	Product data	Packaging
Type Order No.	BLDT 5.08/09/- SN BK BX 1660780000	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	Product data IEC: 400 V / 14 A / 0.2 - 2.5 mm ²	Packaging Box
				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.

General ordering data

Туре	BLZP 5.08HC/09/225 SN O	Version	Product data	Packaging
Order No.	<u>1946320000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248621897	$225^\circ\!,$ Clamping yoke connection, Clamping range, max. : 4 mm², Box	UL: 300 V / 15 A / AWG 26 - AWG 12	2
O t	200 = 10			
Qty.	36 pc(s).			
Сту. Туре	BLZP 5.08HC/09/225 SN B	Version	Product data	Packaging
-	1.17	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	Product data IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Packaging Box
Туре	BLZP 5.08HC/09/225 SN B		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 5.08/09/180BR OR BX	Version	Product data	Packaging
Order No.	<u>1649440000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	IEC: 400 V / 21 A	Box
GTIN (EAN)	4008190294557	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 5.08/09/180BR BK BX	Version	Product data	Packaging
Type Order No.	BLC 5.08/09/180BR BK BX 1712180000	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	Product data IEC: 400 V / 21 A	Packaging Box
				Box

BLF 5.08HC/180 SN



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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/09/180 SN BK	Version	Product data	Packaging
Order No.	<u>1013510000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
GTIN (EAN)	4032248721658	180°, PUSH IN, Spring connection, Clamping range, max. : 3.31 mm ²	UL: 300 V / 18.5 A / AWG 26 - AWG	
Qty.	36 pc(s).	Box	12	
Туре	BLF 5.08HC/09/180 SN OR	Version	Due du et dete	Deelegring
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	DEI 3.00110/03/100 3N 011	Veraion	Product data	Packaging
Order No.	<u>1013760000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
			IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box

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/09/180 SN 0	Version	Product data	Packaging
Order No.	<u>1943650000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248617661	180°, Clamping yoke connection, Clamping range, max. : 4 mm², Box	UL: 300 V / 20 A / AWG 26 - AWG 12	2
Qty.	36 pc(s).			
Туре	BLZP 5.08HC/09/180 SN B	Version	Product data	Packaging
Type Order No.	BLZP 5.08HC/09/180 SN B <u>1943880000</u>	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	Product data IEC: 400 V / 23 A / 0.2 - 4 mm²	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 5.08/09/90 3.2 SN O	Version	Product data	Packaging
Order No.	<u>1623010000</u>	PCB plug-in connector, female header, closed side, THT solder	IEC: 400 V / 23 A	Box
GTIN (EAN)	4008190194062	connection, 5.08 mm, Number of poles: 9, 90°, Solder pin length (I):	UL: 300 V / 15 A	
Qty.	36 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/09/270 SN B	Version	Product data	Packaging
Order No.	<u>1949090000</u>	PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
GTIN (EAN)	4032248626540	$270^\circ\!,$ Clamping yoke connection, Clamping range, max. : $4\ mm^2,$ Box	UL: 300 V / 20 A / AWG 26 - AWG 12	2
Qty.	36 pc(s).			
Туре	BLZP 5.08HC/09/270 SN 0	Version	Product data	Packaging
Type Order No.	BLZP 5.08HC/09/270 SN 0 1948860000	Version PCB plug-in connector, female plug, 5.08 mm, Number of poles: 9,	Product data IEC: 400 V / 23 A / 0.2 - 4 mm ²	Packaging Box
			IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box

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Accessories

Coding elements





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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

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

Additional accessories



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

General ordering data

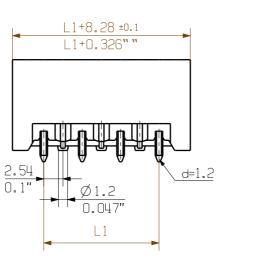
Туре	SL AT SW	Version	Product data	Packaging
Order No.	<u>1770240000</u>	PCB plug-in connector, Accessories, Spacer, black, Number of poles:	1	Box
GTIN (EAN)	4032248117710			
Otv.	100 pc(s).			

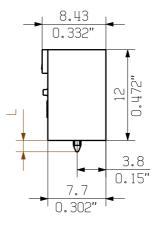
Accessories

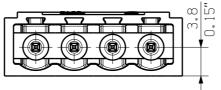


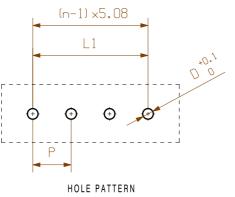
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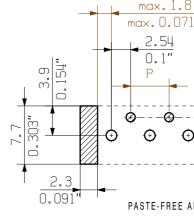
Туре	SL AT OR	Version	Product data	Packaging
Order No.	<u>1598300000</u>	PCB plug-in connector, Accessories, Spacer, o	brange, Number of poles:	Box
GTIN (EAN)	4008190189266	1		
Qty.	100 pc(s).			











								24	116,84	4,600
								23	111,76	4,400
								22	106,68	4,200
								21	101,60	4,000
								20	96,52	3,800
					ax.1.8			19	91,44	3,600
									86,36	3,400
									81,28	3,200
、 、									76,20	3,000
, ,) _									71,12	2,800
	<u> </u>			 \				14 13	66,04	2,600
									60,96	2,400
								12	55,88	2,200
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	Ţ		10	45,72	1,800					
		0.091	Γ - Ρ	AST	E-FREE AREA			9	40,64	1,600
								8 7	35,56	1,400
									30,48	1,200
D = 1.4/0.055" or 1.5/0.059"(REFLOW SOLDERING) RECOMMENDATION FOR AUTOMATIC ASSEMBLY						1,5	-0.3	6	25,40	1,000
	(1.4mm FOR n=28 / 1.5	5mm for n=	. IVI D)	3,2	0,1	5	20,32	0,800		
n = POLZAH/ NO OF POLES						3,2	-0,3	4	15,24	0,600
	P = RASTER/PITCH	4,5	0,1	3	10,16	0,400				
		-	-0,3	2	5,08	0,200				
Е	SHOWN: SL-SMT 5.08HC/04/1	80 G				STIFTLAENGE L	TOLERANZ	n		L1 [Inch]
	ROHS DIN ISO 2768-m					•	. 0	at.n	0.:.	
	COMPLIANT	106339/4 30.07.18 HERTEL_S Modification		00	147	idmüller		34148 (23)		
					We		Drawing n			Issue no.
-						Sheet	02	of 04	sheets	
34	$\left[- \right] \left(\bigcirc \right)$		Date		Name					
-				HELIS_MA	SL-SMT 5.08HC//180				.	
	• · · · · ·	Responsible		HERTEL_S		STIFTLEISTE	LEISTE			
- E	Scale: 2:1	Checked	01.08.2	018	-		MALE HEADER			
;	Supersedes: .	Approved			LANG_T	Product file: SL-SMT	5.08HC			7280

For the mounting of PCBs, it should be noted that the rated data relates only to the PCB components

alone. The neccessary 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 occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

1:1 LEADERDER "

The English version is binding

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.