

**OMNIMATE Signal - series BL/SL 5.08
SL 5.08HC/07/180B 3.2SN OR BX**
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

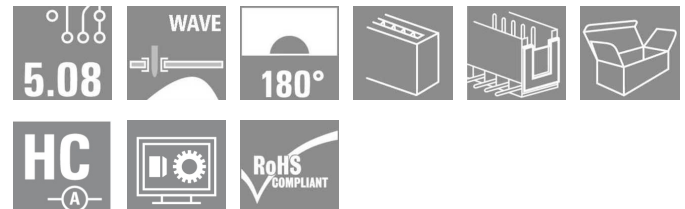
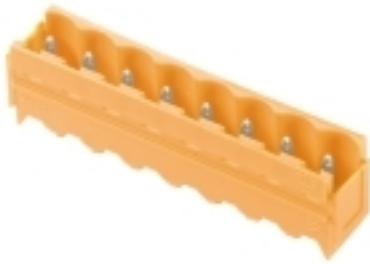
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Pin headers in glass-fibre-reinforced plastic with straight wire outlet; optimised for wave soldering. The flange variant (F) can be screwed onto the respective counter piece or the circuit board. There is no need for an extra screw to connect the 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/07/180B 3.2SN OR BX
Order No.	1147470000
Version	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, No. of poles: 7, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box
GTIN (EAN)	4032248933549
Qty.	50 pc(s).
Product data	IEC: 400 V / 24 A UL: 300 V / 18.5 A
Packaging	Box

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Technical data

Dimensions and weights

Net weight	2.9 g
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System specifications

Product family	OMNIMATE Signal - series BL/SL 5.08	Mounting onto the PCB	THT solder connection
Pitch in mm (P)	5.08 mm	Pitch in inches (P)	0.2 inch
Outgoing elbow	180°	No. of poles	7
Number of solder pins per pole	1	Solder pin length (l)	3.2 mm
Solder pin length tolerance	+0.1 / -0.3 mm	Tolerance of solder pin position	± 0.1 mm
Solder pin dimensions	d = 1.2 mm, Octagonal	Solder pin dimensions = d tolerance	0 / -0.03 mm
Solder eyelet hole diameter (D)	1.3 mm	Solder eyelet hole diameter tolerance (D)	+ 0.1 mm
L1 in mm	30.48 mm	L1 in inches	1.2 inch
Number of rows	1	Pin series quantity	1
Can be coded	Yes	Plugging cycles	25
Packaging	Box		

Material data

Insulating material	PA GF	Colour	Orange
Colour chart (similar)	RAL 2000	Insulating material group	II
CTI	≥ 550	Insulation resistance	≥ 10 ⁸ Ω
UL 94 flammability rating	V-0	Contact material	Copper alloy
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.	55 °C	Max. relative humidity during storage	80 %
Operating temperature, min.	-50 °C	Operating temperature, max.	100 °C
Temperature range, installation, min.	-25 °C	Temperature range, installation, max.	100 °C

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. no. of poles (Ta = 20°C)	24 A
Rated current, max. no. of poles (Ta = 20°C)	19 A	Rated current, min. no. of poles (Ta = 40°C)	21 A
Rated current, max. no. of poles (Ta = 40°C)	16.5 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		

Rated data acc. to CSA

Rated voltage (Use group B)	300 V	Rated voltage (use group D)	300 V
Rated current (use group B)	18.5 A	Rated current (use group D)	18.5 A

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Technical data
Rated data acc. to UL 1059

Institute (cURus)



Certificate No. (cURus)

E60693

Rated voltage (use group B)

300 V

Rated voltage (use group D)

300 V

Rated current (use group B)

18.5 A

Rated current (use group D)

10 A

Reference to approval values

Specifications are
maximum values, details -
see approval certificate.

Classifications

ETIM 4.0

EC002637

ETIM 5.0

EC002637

ETIM 6.0

EC002637

eClass 6.2

27-26-07-04

eClass 7.1

27-44-04-02

eClass 8.1

27-44-04-02

eClass 9.0

27-44-04-02

eClass 9.1

27-44-04-02

Notes

Notes

- Additional colours 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.

IPC conformity

The products are developed, manufactured and delivered according to the internationally recognised IPC-A-610 standard, category "permissible". More extensive demands on the products can be evaluated on request.

Approvals

Approvals



ROHS

Conform

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Technical data

Downloads

Approval/Certificate/Document of
Conformity

[Declaration of the Manufacturer](#)

Brochure/Catalogue

[FL DRIVES EN](#)
[MB DEVICE MANUF. EN](#)
[FL DRIVES DE](#)
[CAT 2 PORTFOLIOGUIDE EN](#)
[FL BUILDING SAFETY EN](#)
[FL APPL LED LIGHTING EN](#)
[FL INDUSTR.CONTROLS EN](#)
[FL MACHINE SAFETY EN](#)
[FL HEATING ELECTR EN](#)
[FL APPL INVERTER EN](#)
[FL BASE STATION EN](#)
[FL ELEVATOR EN](#)
[FL POWER SUPPLY EN](#)
[FL 72H SAMPLE SER EN](#)
[PO OMNIMATE EN](#)

Engineering Data

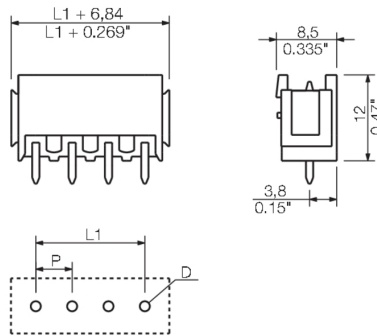
[EPLAN, WSCAD, Zuken E3.S](#)

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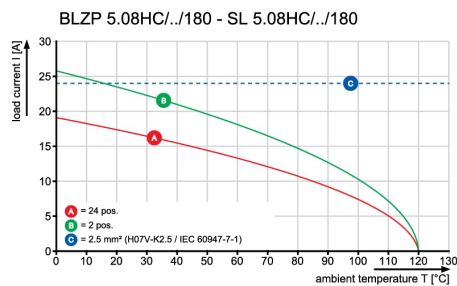
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Drawings

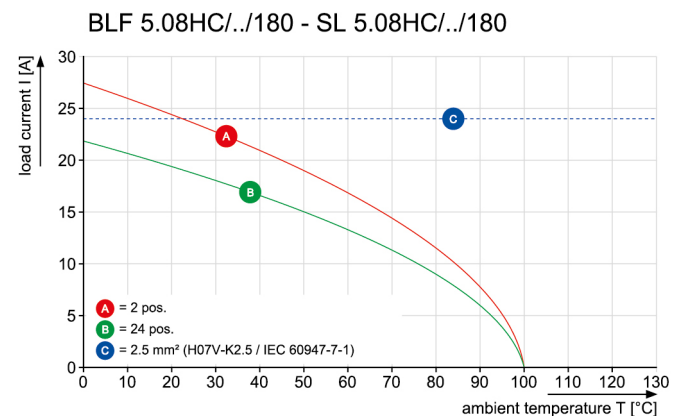
Dimensional drawing



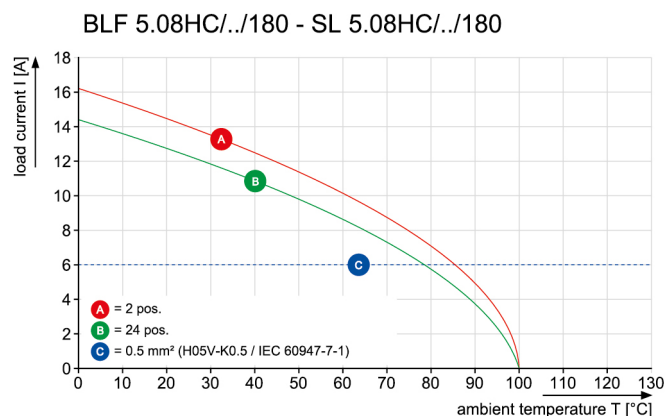
Graph



Graph



Graph



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Mating connector (fully pluggable)

BLDT 5.08B

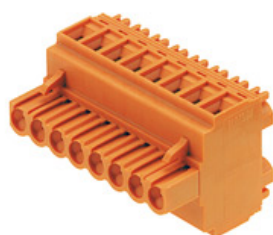


Female plugs with two clamping-yoke screw connections per pole for wire connections with 90° and 270° outlet directions. The female plugs provide space for labelling and can be coded.

General ordering data

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
Discontinued 2016-09-01T00:00:00+02:00	BLDT 5.08/07/-B SN BK BX	1673830000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190435561	40 pc(s).
BLDT 5.08/07/-B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190400477	40 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLDT 5.08



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLDT 5.08/07/- SN OR BX	1644780000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190283995	40 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
Discontinued 2016-09-01T00:00:00+02:00	BLDT 5.08/07/- SN BK BX	1660760000	PCB plug-in connector, female	4008190417215		40 pc(s).

OMNIMATE Signal - series BL/SL 5.08

SL 5.08HC/07/180B 3.2SN OR BX

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Mating connector (fully pluggable)

plug, 5.08 mm,
 No. of poles: 7,
 180°, Clamping
 yoke connection,
 Clamping range,
 rated connection,
 max.: 3.31 mm²,
 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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF	1001580000	PCB plug-in connector,	4032248693382	48 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
5.08HC/07/90		female plug, 5.08 mm,			UL: 300 V / 18.5 A / AWG 26 - AWG	
SN OR BX		No. of poles: 7, 90°, PUSH			12	
		IN, Clamping range, rated				
		connection, max.: 3.31				
		mm ² , Box				
Discontinued	2016-04-08T00:00:00+02:00	BLF 5.08HC/07/90 SN BK	1000080001	PCB plug-in	4032248690015	48
		BX		connector, female		pc(s).
				plug, 5.08 mm,		
				No. of poles: 7,		
				90°, PUSH IN,		
				Clamping range,		
				rated connection,		
				max.: 3.31 mm ² ,		
				Box		

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Mating connector (fully pluggable)

BLZP 5.08HC/225B 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. 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

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
Discontinued 2016-04-08T00:00:00+02:00	BLZP 5.08HC/07/225B SN BK BX	1946030000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248621569	48 pc(s).
BLZP 5.08HC/07/225B SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248621279	48 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

BLC 5.08BR



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLC 5.08/07/180BR OR BX	1649420000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm², Box	4008190294533	50 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box
Discontinued	2014-05-20T00:00:00+02:00	BLC 5.08/07/180BR BK BX	1712160000	PCB plug-in connector, female plug, 5.08 mm,	4008190935177	50 pc(s).

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Mating connector (fully pluggable)

No. of poles:
7, 180°, Crimp
connection,
Clamping range,
rated connection,
max.: 2.5 mm²,
Box

BLL 5.08/180B



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL	1682780000	PCB plug-in connector,	4008190474546	48 pc(s).	IEC: 400 V / 23 A	Box
5.08/07/180B		female header, Dovetails for			UL: 300 V / 15 A	
3.2SN OR BX		fixing blocks, THT solder				
		connection, 5.08 mm, No.				
		of poles: 7, 180°, Solder pin				
		length (l): 3.2 mm, tinned,				
		Orange, 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

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
Discontinued 2016-04-08T00:00:00+02:00	BLZP 5.08HC/07/225 SN	1946610000	PCB plug-in	4032248622382	48
	BK BX		connector, female		pc(s).
			plug, 5.08 mm,		
			No. of poles: 7,		
			225°, Clamping		
			yoke connection,		
			Clamping range,		
			rated connection,		
			max.: 4 mm ² , Box		

OMNIMATE Signal - series BL/SL 5.08

SL 5.08HC/07/180B 3.2SN OR BX

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Mating connector (fully pluggable)

BLZP	1946300000	PCB plug-in connector,	403224862187348 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
5.08HC/07/225		female plug, 5.08 mm, No.		UL: 300 V / 15 A / AWG 26 - AWG 12	
SN OR BX		of poles: 7, 225°, Clamping			
		yoke connection, Clamping			
		range, rated connection,			
		max.: 4 mm ² , Box			

BLL 5.08/180



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL	1630760000	PCB plug-in connector,	400819020418148 pc(s).		IEC: 400 V / 23 A	Box
5.08/07/180		female header, closed side,			UL: 300 V / 15 A	
3.2 SN OR BX		THT solder connection,				
		5.08 mm, No. of poles: 7,				
		180°, Solder pin length (l):				
		3.2 mm, tinned, Orange,				
		Box				

BLL 5.08/90



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

General ordering data

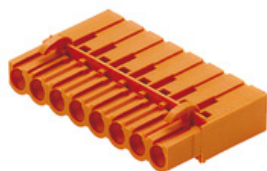
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL	1622990000	PCB plug-in connector,	400819019404848 pc(s).		IEC: 400 V / 23 A	Box
5.08/07/90		female header, closed side,			UL: 300 V / 15 A	
3.2 SN OR BX		THT solder connection,				
		5.08 mm, No. of poles: 7,				
		90°, Solder pin length (l):				
		3.2 mm, tinned, Orange,				
		Box				

OMNIMATE Signal - series BL/SL 5.08 SL 5.08HC/07/180B 3.2SN OR BX

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Mating connector (fully pluggable)

BLC 5.08R



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLC 5.08/07/180R OR BX	1610540000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190156398 50 pc(s).		IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box
Discontinued	2016-04-08T00:00:00+02:00	BLC 5.08/07/180R BK BX	1712010000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190935023	50 pc(s).

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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/07/90 SN OR BX	1948050000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248624270 48 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 26 - AWG 12	Box

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Mating connector (fully pluggable)

BLZP 5.08HC/07/90 SN BK BX	1948290000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248624812 48 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 26 - AWG 12	Box
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BLF 5.08HC/180 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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.08HC/07/180 SN BK BX	1013480000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248721634 48 pc(s).		IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box
BLF 5.08HC/07/180 SN OR BX	1013740000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248721856 48 pc(s).		IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box

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Mating connector (fully pluggable)

BLF 5.08HC/270 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

General ordering data

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
Discontinued 2016-04-08T00:00:00+02:00	BLF 5.08HC/07/270 SN BK BX	1981980000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 270°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm², Box	4032248684670	48 pc(s).
BLF 5.08HC/07/270 SN OR BX	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 270°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm², Box	4032248686841	48 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box

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Mating connector (fully pluggable)

BLDF 5.08/180 SN



The powerful daisy-chain solution for high-performance signal bus applications is also suitable for 400V auxiliary power chains with 18.5A current-carrying capacity. The large clamping capacity (up to 2.5mm² wire cross-sections) is particularly beneficial for long bus cables or high currents because of the low voltage drop. Four flange variations, including the patented release latch, allow for user-friendly unplugging designs.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLDF 5.08/07/180 SN OR BX	1001200000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248817535 32 pc(s).		IEC: 400 V / 20.8 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26	Box
BLDF 5.08/07/180 SN BK BX	1000910000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248817450 32 pc(s).		IEC: 400 V / 20.8 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26	Box

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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/07/270 SN BK BX	1949070000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248626526 48 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 26 - AWG 12	Box
BLZP 5.08HC/07/270 SN OR BX	1948840000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 270°, Clamping yoke connection, Clamping	4032248626298 48 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SL 5.08HC/07/180B 3.2SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 1429-0
Fax: +49 5231 14292083
www.weidmueller.com

Mating connector (fully pluggable)

range, rated connection,
max.: 4 mm², Box

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. 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

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/07/180 SN OR BX	1943630000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248617630	48 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 26 - AWG 12	Box
BLZP 5.08HC/07/180 SN BK BX	1943860000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 7, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248617906	48 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 26 - AWG 12	Box

Recommended wave soldering profiles

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

Single Wave:



Double 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.

We reserve the right to make technical changes.

