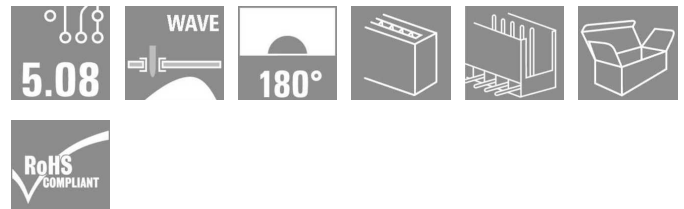


**OMNIMATE Signal - series BL/SL 5.08  
SL 5.08/04/180 3.2SN OR BX**

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



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**

Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2017-12-31
Type	SL 5.08/04/180 3.2SN OR BX
Order No.	<a href="#">1517460000</a>
Version	PCB plug-in connector, male header, open side, Solder connection, 5.08 mm, No. of poles: 4, 180°. Solder pin length (l): 3.2 mm, tinned, Orange, Box
GTIN (EAN)	4008190042011
Qty.	100 pc(s).
Product data	IEC: 400 V / 18 A UL: 300 V / 15 A
Packaging	Box
Alternative product	<a href="#">1146380000</a>

**OMNIMATE Signal - series BL/SL 5.08  
SL 5.08/04/180 3.2SN OR BX**

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

Net weight 1.23 g

**System parameters**

Product family		Mounting onto the PCB	
Product family	OMNIMATE Signal - series BL/SL 5.08		Solder connection
Outgoing elbow	180°	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	No. of poles	4
Solder pin length (l)	3.2 mm	Solder pin length tolerance	+0.1 / -0.3 mm
Solder pin dimensions	d = 1.2 mm, Octagonal	Solder pin dimensions = d tolerance	0 / -0,03 mm
Plugging cycles	25	Can be coded	Yes
Number of solder pins per pole	1	Solder eyelet hole diameter (D)	1.3 mm
Solder eyelet hole diameter tolerance (D)	+ 0,1 mm	L1 in mm	15.24 mm
L1 in inches	0.6 inch	Insulation resistance	≥ 10 <sup>8</sup> Ω
Touch-safe protection acc. to DIN VDE 0470	IP20 plugged	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch, plugged
Volume resistance	4.50 mΩ		


**Material data**

Insulating material	PBT	Moisture Level (MSL)	3
Colour	Orange	Insulating material group	IIIa
UL 94 flammability rating	V-0	CTI	≥ 200
Contact material	CuSn	Layer structure of solder connection	2-3 μm Ni / 2-4 μm Sn matt
Contact surface	tinned	Operating temperature, min.	-50 °C
Operating temperature, max.	100 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	100 °C	Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C	Max. relative humidity during storage	80 %

**Rating data acc. to IEC 60664-1 / IEC 61984**

Rated current, min. no. of poles (Ta = 20°C)	18 A	Rated current, max. no. of poles (Ta = 20°C)	14.5 A
Rated current, min. no. of poles (Ta = 40°C)	15 A	Rated current, max. no. of poles (Ta = 40°C)	12 A
Rated voltage for surge voltage class / pollution degree III/3	250 V	Rated impulse voltage for surge voltage class/ contamination degree III/3	4 kV
Rated voltage for surge voltage class / pollution degree III/2	320 V	Rated impulse voltage for surge voltage class/ pollution degree III/2	4 kV
Rated voltage for surge voltage class / pollution degree II/2	400 V	Rated impulse voltage for surge voltage class/ pollution degree II/2	4 kV
Short-time withstand current resistance	3 x 1s with 120 A		

**Rated data acc. to CSA**

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


**Data sheet**

**OMNIMATE Signal - series BL/SL 5.08  
SL 5.08/04/180 3.2SN OR BX**

**Weidmüller Interface GmbH & Co. KG**  
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Fax: +49 5231 14-292083  
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**Technical data**

**Rated data acc. to UL 1059**

Institute (UR)		Certificate No. (UR)	
		E60693	
Rated voltage (use group B)	300 V	Rated voltage (use group D)	300 V
Rated current (use group B)	15 A	Rated current (use group D)	10 A
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

**Classifications**

ETIM 3.0	EC001284	ETIM 4.0	EC002637
ETIM 5.0	EC002637	ETIM 6.0	EC002637
UNSPSC	30-21-18-10	eClass 5.1	27-26-07-04
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

**Notes**

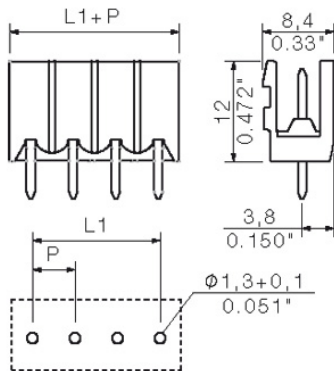
Notes	<ul style="list-style-type: none"> <li>• Additional colours on request</li> <li>• Gold-plated contact surfaces on request</li> <li>• Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>• P on drawing = pitch</li> <li>• Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.</li> </ul>
IPC conformity	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

**Data sheet****OMNIMATE Signal - series BL/SL 5.08  
SL 5.08/04/180 3.2SN OR BX**

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**Drawings**

**OMNIMATE Signal - series BL/SL 5.08  
SL 5.08/04/180 3.2SN OR BX**

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D-32758 Detmold  
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Fon: +49 5231 14-0  
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**Mating connector (fully pluggable)**
**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/04/180 SN OR BX	<a href="#">1013710000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, PUSH IN, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	403224872182590	pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 18.5 A / AWG 26 - AWG 12	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 5.08/04/180 3.2 SN OR BX	<a href="#">1630730000</a>	PCB plug-in connector, female header, closed side, Solder connection, 5.08 mm, No. of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	400819020415090	pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	Box

**OMNIMATE Signal - series BL/SL 5.08  
SL 5.08/04/180 3.2SN OR BX**

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www.weidmueller.com

**Mating connector (fully pluggable)**

**BLZ 5.08/180**



Female plugs with clamping-yoke screw for wire connection with straight (180°) outlet direction. 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.
This article will no longer be available in the future. 2017-12-31T00:00:00+01:00	BLZ 5.08/04/180 SN BK BX	<a href="#">1526610000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190049454	100 pc(s).
This article will no longer be available in the future. 2017-12-31T00:00:00+01:00	BLZ 5.08/04/180 SN OR BX	<a href="#">1526660000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190148232	100 pc(s).

**BLZ 5.08/225**



Female plugs with clamping-yoke screw for wire connection with 225° outlet direction. 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.
This article will no longer be available in the future. 2017-12-31T00:00:00+01:00	BLZ 5.08/04/225 SN BK BX	<a href="#">1741890000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4,	4008190254155	90 pc(s).

**OMNIMATE Signal - series BL/SL 5.08  
SL 5.08/04/180 3.2SN OR BX**

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Germany  
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Fax: +49 5231 14-292083  
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**Mating connector (fully pluggable)**

225°, Clamping  
yoke connection,  
Clamping range,  
rated connection,  
max.: 3.31 mm<sup>2</sup>,  
Box

This article will no longer be available in the future.	2017-12-31T00:00:00+01:00 BLZ 5.08/04/225 SN OR BX	<a href="#">1741660000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4008190202637 90 pc(s)
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**BLZF 5.08/90**



Female plugs with tension-clamp wire connection system. 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.
This article will no longer be available in the future.	2015-12-31T00:00:00+01:00 BLZF 5.08/04/90 SN BK BX	<a href="#">1671040000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4008190432713	90 pc(s)
This article will no longer be available in the future.	2017-12-31T00:00:00+01:00 BLZF 5.08/04/90 SN OR BX	<a href="#">1670810000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4008190432416	90 pc(s)

**OMNIMATE Signal - series BL/SL 5.08  
SL 5.08/04/180 3.2SN OR BX**

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www.weidmueller.com

**Mating connector (fully pluggable)**
**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 5.08/04/90 3.2 SN OR BX	<a href="#">1622960000</a>	PCB plug-in connector, female header, closed side, Solder connection, 5.08 mm, No. of poles: 4, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	400819019402490	pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	Box

**BLZF 5.08/270**


Female plugs with tension-clamp wire connection system. 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.
This article will no longer be available in the future.	2017-12-31T00:00:00+01:00	BLZF 5.08/04/270 SN BK BX	<a href="#">1672190000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190433901	90 pc(s).
This article will no longer be available in the future.	2017-12-31T00:00:00+01:00	BLZF 5.08/04/270 SN OR BX	<a href="#">1671960000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Tension clamp connection, Clamping range, rated connection,	4008190433673	90 pc(s).

**OMNIMATE Signal - series BL/SL 5.08  
SL 5.08/04/180 3.2SN OR BX**

**Weidmüller Interface GmbH & Co. KG**  
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Germany  
Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
www.weidmueller.com

**Mating connector (fully pluggable)**

max.: 3.31 mm<sup>2</sup>,  
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/04/270 SN OR BX	<a href="#">1948810000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm <sup>2</sup> , Box	4032248626267	90 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm <sup>2</sup> UL: 300 V / 20 A / AWG 30 - AWG 12	Box
BLZP 5.08HC/04/270 SN BK BX	<a href="#">1949040000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm <sup>2</sup> , Box	4032248626496	90 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm <sup>2</sup> UL: 300 V / 20 A / AWG 30 - AWG 12	Box

**BLT 5.08HC**


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.

**General ordering data**

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLT 5.08HC/04/180 SN BK BX	<a href="#">1499710000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm <sup>2</sup> , Box	4008190861711	90 pc(s).	IEC: 400 V / 27 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 17 A / AWG 26 - AWG 14	Box
BLT 5.08HC/04/180 SN OR BX	<a href="#">1499760000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP	4008190037536	90 pc(s).	IEC: 400 V / 27 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 17 A / AWG 26 - AWG 14	Box

Creation date February 19, 2016 10:46:17 AM CET

**OMNIMATE Signal - series BL/SL 5.08  
SL 5.08/04/180 3.2SN OR BX**

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Fax: +49 5231 14-292083  
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**Mating connector (fully pluggable)**

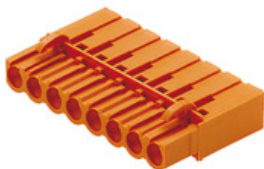
connection, Clamping  
range, rated connection,  
max.: 2.5 mm<sup>2</sup>, Box

**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/04/180 SN BK BX	<a href="#">1943830000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm <sup>2</sup> , Box	4032248617869	90 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm <sup>2</sup> UL: 300 V / 20 A / AWG 30 - AWG 12	Box
BLZP 5.08HC/04/180 SN OR BX	<a href="#">1943600000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm <sup>2</sup> , Box	4032248617593	90 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm <sup>2</sup> UL: 300 V / 20 A / AWG 30 - AWG 12	Box

**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 5.08/04/180R BK BX	<a href="#">1711980000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm <sup>2</sup> , Box	4008190934996	100 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box

**OMNIMATE Signal - series BL/SL 5.08  
SL 5.08/04/180 3.2SN OR BX**

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**Mating connector (fully pluggable)**

BLC 5.08/04/180R OR BX	<a href="#">1610510000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm <sup>2</sup> , Box	4008190065102 100 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box
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**BL 5.08**


Female plugs with leaf-spring wire connection system.  
The female plugs provide space for labelling.

**General ordering data**

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future. 2017-12-31T00:00:00+01:00	BL 5.08/04/180 SN DKG BX	<a href="#">1723850000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm <sup>2</sup> , Box	4008190376215	100 pc(s).
This article will no longer be available in the future. 2017-12-31T00:00:00+01:00	BL 5.08/04/180 SN OR BX	<a href="#">1716340000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm <sup>2</sup> , Box	4008190376376	100 pc(s).
This article will no longer be available in the future. 2017-12-31T00:00:00+01:00	BL 5.08/04/180 SN BK BX	<a href="#">1716490000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm <sup>2</sup> , Box	4008190376536	100 pc(s).

**OMNIMATE Signal - series BL/SL 5.08  
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**Mating connector (fully pluggable)**

**BLZ 5.08/270**



Female plugs with clamping-yoke screw connection. 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.
This article will no longer be available in the future.	BLZ 5.08/04/270 SN OR BX	<a href="#">1557560000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190104788	90 pc(s).
This article will no longer be available in the future.	BLZ 5.08/04/270 SN BK BX	<a href="#">1557510000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190269449	90 pc(s).

**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. 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**

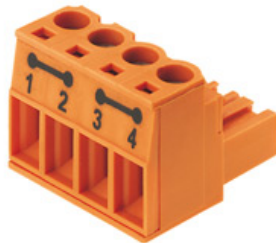
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/04/225 SN BK BX	<a href="#">1946580000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping	403224862235	190 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

**OMNIMATE Signal - series BL/SL 5.08  
SL 5.08/04/180 3.2SN OR BX**

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Fon: +49 5231 14-0  
Fax: +49 5231 14-292083  
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**Mating connector (fully pluggable)**

		range, rated connection, max.: 4 mm <sup>2</sup> , Box		
BLZP 5.08HC/04/225 SN OR BX	<a href="#">1946270000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm <sup>2</sup> , Box	403224862184290 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm <sup>2</sup> Box UL: 300 V / 15 A / AWG 30 - AWG 12

**BLZ 5.08 QV2**


Female plugs with clamping-yoke screw connections for connecting wire, with straight 180° wire outlet direction and internal cross-connections between connections 1-2 and 3-4. Bus current at 4 mm<sup>2</sup> (without wire-end ferrule) is up to 32 A. The female plugs can be coded.

**General ordering data**

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	2017-12-31T00:00:00+01:00	BLZ 5.08/04/180QV2 SN BK BX PRT	<a href="#">1839780000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm <sup>2</sup> , Box	4032248350308	90 pc(s).
This article will no longer be available in the future.	2017-12-31T00:00:00+01:00	BLZ 5.08/04/180QV2 SN OR BX PRT	<a href="#">1839770000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm <sup>2</sup> , Box	4032248350292	90 pc(s).

**OMNIMATE Signal - series BL/SL 5.08  
SL 5.08/04/180 3.2SN OR BX**

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**Mating connector (fully pluggable)**

**BLZ 5.08F QV2**



Female plugs with clamping-yoke screw connections for connecting wire, with straight 180° wire outlet direction and internal cross-connections between connections 1-2 and 3-4. Bus current at 4 mm<sup>2</sup> (without wire-end ferrule) is up to 32 A. The female plugs can be coded.

**General ordering data**

Delivery status	Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	2017-12-31T00:00:00+01:00	BLZ 5.08/04/180FQV2 SN OR BX PRT	<a href="#">1846870000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm <sup>2</sup> , Box	4032248362684	60 pc(s).
This article will no longer be available in the future.	2017-12-31T00:00:00+01:00	BLZ 5.08/04/180FQV2 BK BX PRT	<a href="#">1844500000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm <sup>2</sup> , Box	4032248354948	60 pc(s).

**BLIDC 5.08**



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

**General ordering data**

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2011-11-17T00:00:00+01:00	BLIDC 5.08/04/180 SN OR BX	<a href="#">1724960000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°	4008190377304	100 pc(s).	IEC: 400 V / 11 A /

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**Mating connector (fully pluggable)**

IDC terminal,	0.5
Clamping range,	-
rated connection,	0.75
max.: 0.75 mm <sup>2</sup> ,	mm <sup>2</sup>
Box	UL: 300 V / 5 A / AWG 22 - AWG 20

**BLZ 5.08/90**



Female plugs with clamping-yoke screw connection. 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.
This article will no longer be available in the future.	BLZ 5.08/04/90 SN OR BX	<a href="#">1552960000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4008190123932	90 pc(s).
This article will no longer be available in the future.	BLZ 5.08/04/90 SN BK BX	<a href="#">1552910000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4008190267728	90 pc(s).

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**Mating connector (fully pluggable)**
**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 5.08/04/- SN BK BX	<a href="#">1660730000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4008190417185	75 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLDT 5.08/04/- SN OR BX	<a href="#">1644750000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4008190283964	75 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm <sup>2</sup> UL: 300 V / 10 A / AWG 26 - AWG 12	Box

**BLZF 5.08/180**


Female plugs with tension-clamp wire connection system, straight 180° outlet direction. The female plugs provide space for labelling and can be coded.

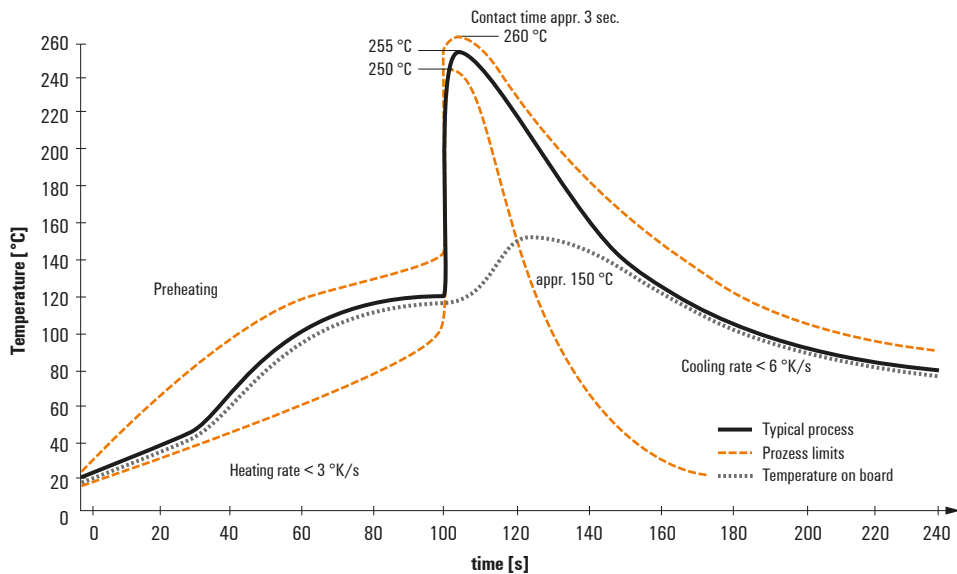
**General ordering data**

Delivery status Available until	Type	Order No.	Version	GTIN (EAN)	Qty.
This article will no longer be available in the future.	BLZF 5.08/04/180 SN BK BX	<a href="#">1707710000</a>	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 4, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm <sup>2</sup> , Box	4008190316716	90 pc(s).

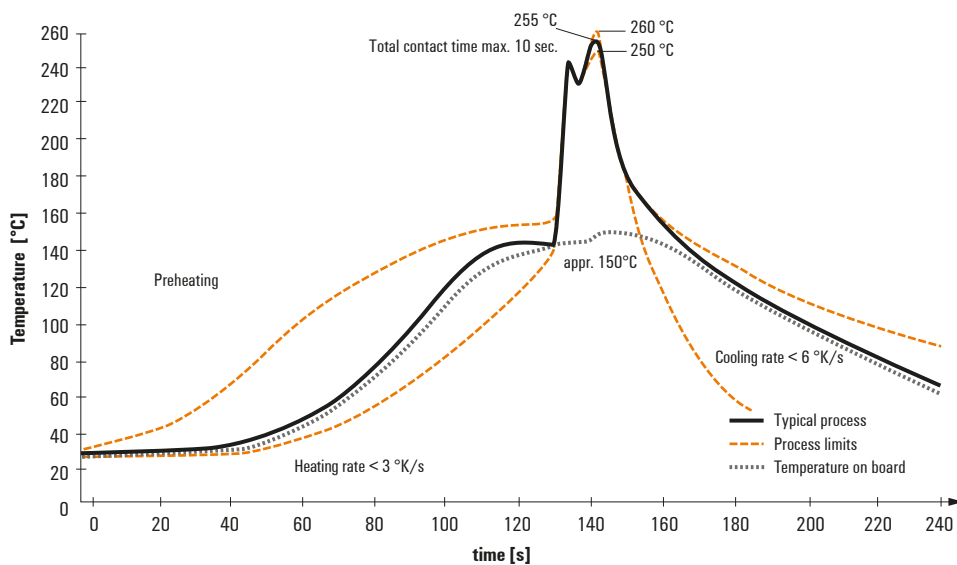
## Recommended wave soldering profiles

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### 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.

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