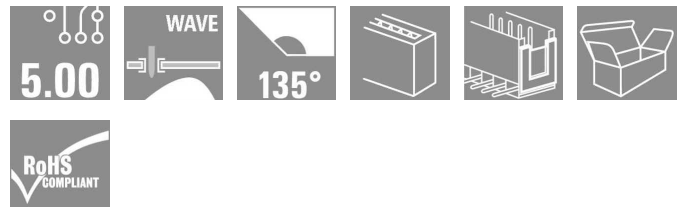


OMNIMATE Signal - series BL/SL 5.00 SL 5.00/17/135B 3.2SN OR BX

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

- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 15 A (UL)

General ordering data

Type	SL 5.00/17/135B 3.2SN OR BX
Order No.	1630630000
Version	PCB plug-in connector, male header, Dovetails for fixing blocks, Solder connection, 5.00 mm, No. of poles: 17, 135°, Solder pin length (l): 3.2 mm, tinned, Orange, Box
GTIN (EAN)	4032248198825
Qty.	20 pc(s).
Product data	IEC: 400 V / 17 A UL: 300 V / 15 A
Packaging	Box

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/17/135B 3.2SN OR BX

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Technische Daten

Dimensions and weights

Net weight 6.9 g

System parameters

Product family	OMNIMATE Signal - series BL/SL 5.00	Mounting onto the PCB	Solder connection
Outgoing elbow	135°	Pitch in mm (P)	5 mm
Pitch in inches (P)	0.197 inch	No. of poles	17
Solder pin length (l)	3.2 mm	Solder pin dimensions	d = 1.2 mm, Octagonal
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	80 mm	L1 in inches	3.15 inch
Insulation resistance	≥ 10 ⁸ Ω	Touch-safe protection acc. to DIN VDE 57 106	Finger-safe plugged/ back-of-hand-safe unplugged

Material data

Insulating material	PBT	Colour	Orange
Insulating material group	IIla	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	CuSn
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	Max. relative humidity during storage	80 %

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

Rated current, min. no. of poles (Tu=20°C)	17 A	Rated current, max. no. of poles (Tu=20°C)	13 A
Rated current, number of poles (Tu=40°C), min	15 A	Rated current, number of poles (Tu=40°C), max.	11 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		

CSA rating data

Institute (CSA)		Certificate No. (CSA)	200039-1121690
Rated voltage (Use group B)	300 V	Rated current (use group B)	15 A
Rated voltage (use group D)	300 V	Rated current (use group D)	10 A

UL 1059 rating data

Institute (UR)		Certificate No. (UR)	E60693
Rated voltage (use group B)	300 V	Rated current (use group B)	15 A
Rated voltage (use group D)	300 V	Rated current (use group D)	10 A

Erstellungs-Datum November 12, 2014 1:10:02 AM CET

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Technische Daten

Classifications

ETIM 3.0	EC001284	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		

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.
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Approvals

Approvals



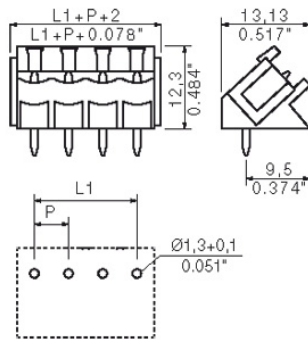
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Conform

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Zeichnungen



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Mating connector (fully pluggable)

BLF 5.00HC/90LH SN



Just as reliable as the tried-and-tested original, with innovation in detail:

The BLF 5.00HC PUSH IN version of the BLZ 5.00HC female connector features a new connection system and a more compact design. Weidmüller's innovative PUSH IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate. HC = High Current.

In terms of versatility, the BLF 5.00HC offers just as much as the older versions:

- three wire outlet directions offer you the accustomed design flexibility for your applications
- four flange variations, including the patented release latch, allow the interlock design to be based on the requirements of the user

General ordering data

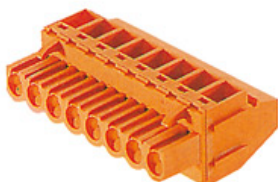
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.00HC/17/90LH SN BK BX	1980130000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm², Box	4032248675197 18 pc(s).		IEC: 400 V / 20 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 12 - AWG 26	Box
2014-05-20 TO BLF 5.00HC/17/90LH SN OR BX	1981520000		PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm², Box	4032248676828 18 pc(s).		IEC: 400 V / 20 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 12 - AWG 26

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/17/135B 3.2SN OR BX

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Mating connector (fully pluggable)

BLZ 5.00/90B



Female plugs with clamping-yoke screw for wire connection with 90° outlet direction. The female plugs provide space for labelling and can be coded.

- 0.20 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2011-09-30	BLZ 5.00/90B SN OR BX	1637270000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190274511	18 pc(s).	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - 12

BLZP 5.00HC/180LH 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 feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke. HC = High Current.

General ordering data

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2014-05-20	BLZP 5.00HC/180LH SN BK BX	1957070000	PCB plug-in connector, female plug, 5.00 mm,	4032248635955	18 pc(s).	IEC: 400 V /

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Mating connector (fully pluggable)

		No. of poles: 17,	23
		180°, Clamping	A /
		yoke connection,	0.2
		Clamping range,	-
		rated connection,	4
		max.: 4 mm², Box	mm²
			UL:
			300
			V /
			20
			A /
			AWG
			30
			-
			AWG
			12
2014-05-20	09.07.2014	SL 5.00/17/180LH SN OR BX	1956790000
		PCB plug-in	4032248635726 18 pc(s).
		connector, female	IEC:
		plug, 5.00 mm,	400
		No. of poles: 17,	V /
		180°, Clamping	23
		yoke connection,	A /
		Clamping range,	0.2
		rated connection,	-
		max.: 4 mm², Box	4
			mm²
			UL:
			300
			V /
			20
			A /
			AWG
			30
			-
			AWG
			12

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/17/135B 3.2SN OR BX

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Mating connector (fully pluggable)

BLF 5.00HC/90 SN



Just as reliable as the tried-and-tested original, with innovation in detail:

The BLF 5.00HC PUSH IN version of the BLZ 5.00HC female connector features a new connection system and a more compact design. Weidmüller's innovative PUSH IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate. HC = High Current.

In terms of versatility, the BLF 5.00HC offers just as much as the older versions:

- three wire outlet directions offer you the accustomed design flexibility for your applications
- four flange variations, including the patented release latch, allow the interlock design to be based on the requirements of the user

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.00HC/17/90 SN BK BX	1979420000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm², Box	4032248674626	18 pc(s).	IEC: 400 V / 20 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 12 - AWG 26	Box
BLF 5.00HC/17/90 SN OR BX	1980320000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm², Box	4032248675401	18 pc(s).	IEC: 400 V / 20 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 12 - AWG 26	Box

BLZP 5.00HC/270LH 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 feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00HC/17/270LH SN OR BX	1961290000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, Clamping yoke connection, Clamping	4032248640553	18 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/17/135B 3.2SN OR BX

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Mating connector (fully pluggable)

range, rated connection, max.: 4 mm ² , Box				
2014-05-20	2014-05-20	BLZ 5.00/17/270LH SN BK BX	1961520000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box
			4032248640799 18 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / 30 AWG 12

BLZ 5.00/270B



Female plugs with clamping-yoke screw for wire connection with 270° outlet direction. The female plugs provide space for labelling and can be coded.

- 0.20 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.00/17/270B SN OR BX	1638190000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190275457	18 pc(s).	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/17/135B 3.2SN OR BX**

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Mating connector (conditionally pluggable)**BLZP 5.00HC/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 feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00HC/17/90 SN BK BX	1958460000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248637249	18 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
BLZP 5.00HC/17/90 SN OR BX	1957910000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248637010	18 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

BLZP 5.00HC/270F 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 feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke. HC = High Current.

General ordering data

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2014-05-20	BLZP 5.00HC/17/270F SN OR BX	1959310000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248638192	18 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300

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Mating connector (conditionally pluggable)

					V /
					20
					A /
					AWG
					30
					-
					AWG
					12
BLZP	1960570000	PCB plug-in connector,	4032248639533 18 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm²	Box
5.00HC/17/270F		female plug, 5.00 mm, No.		UL: 300 V / 20 A / AWG 30 - AWG 12	
SN BK BX		of poles: 17, 90°, Clamping			
		yoke connection, Clamping			
		range, rated connection,			
		max.: 4 mm², Box			

BLZ 5.00/180F



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.

- 0.20 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2010-06-01	BLZ 5.00/180F SN OR BX	1843440000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	403224835516720 pc(s).		IEC: 400 V / 19 A / 0.5 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - 12
2014-06-25	BLZ 5.00/180F SN BK BX	1843670000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 180°, Clamping	403224835539620 pc(s).		IEC: 400 V / 19 A /

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Mating connector (conditionally pluggable)

yoke connection,	0.5
Clamping range,	-
rated connection,	2.5
max.: 3.31 mm²,	mm²
Box	UL:
	300
	V /
	15
	A /
	AWG
	26
	-
	AWG
	12

BLZ 5.00/180



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.

- 0.20 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

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 5.00/17/180 SN BK BX	1625690000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190196998	20 pc(s).
This article will no longer be available in the future.	BLZ 5.00/17/180 SN OR BX	1571490000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190119126	20 pc(s).

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Mating connector (conditionally pluggable)

BLF 5.00HC/90F SN



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The BLF 5.00HC PUSH IN version of the BLZ 5.00HC female connector features a new connection system and a more compact design. Weidmüller's innovative PUSH IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate. HC = High Current.

In terms of versatility, the BLF 5.00HC offers just as much as the older versions:

- three wire outlet directions offer you the accustomed design flexibility for your applications
- four flange variations, including the patented release latch, allow the interlock design to be based on the requirements of the user

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.00HC/17/90F SN BK BX	1979610000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248674817	18 pc(s).	IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26	Box
BLF 5.00HC/17/90F SN OR BX	1980800000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248675944	18 pc(s).	IEC: 400 V / 20 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 12 - AWG 26	Box

BLZP 5.00HC/180F 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 feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00HC/17/180F SN BK BX	1955880000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 180°, Clamping yoke connection, Clamping range, rated	4032248634446	18 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

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Mating connector (conditionally pluggable)

		connection, max.: 4 mm ² , Box		
BLZP	1955650000	PCB plug-in connector,	4032248634187 18 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² Box
5.00HC/17/180F		female plug, 5.00 mm,		UL: 300 V / 20 A / AWG 30 - AWG 12
SN OR BX		No. of poles: 17, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box		

BLZP 5.00HC/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 feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP	1958950000	PCB plug-in connector,	4032248637881 18 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
5.00HC/17/270		female plug, 5.00 mm, No.			UL: 300 V / 20 A / AWG 30 - AWG 12	
SN BK BX		of poles: 17, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box				
BLZP	1958730000	PCB plug-in connector,	4032248637560 18 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm ²	Box
5.00HC/17/270		female plug, 5.00 mm, No.			UL: 300 V / 20 A / AWG 30 - AWG 12	
SN OR BX		of poles: 17, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box				

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/17/135B 3.2SN OR BX

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Mating connector (conditionally pluggable)

BLZ 5.00/270



Female plugs with clamping-yoke screw for wire connection with 270° outlet direction. The female plugs provide space for labelling and can be coded.

- 0.20 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2014-06-23	BLZ 5.00/270 SN OR BX	1637730000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190274979	18 pc(s).	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - 12
2014-06-23	BLZ 5.00/270 SN BK BX	1637960000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190275228	18 pc(s).	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - 12

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/17/135B 3.2SN OR BX

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Mating connector (conditionally pluggable)

BLF 5.00HC/90LR SN



Just as reliable as the tried-and-tested original, with innovation in detail:

The BLF 5.00HC PUSH IN version of the BLZ 5.00HC female connector features a new connection system and a more compact design. Weidmüller's innovative PUSH IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate. HC = High Current.

In terms of versatility, the BLF 5.00HC offers just as much as the older versions:

- three wire outlet directions offer you the accustomed design flexibility for your applications
- four flange variations, including the patented release latch, allow the interlock design to be based on the requirements of the user

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.00HC/17/90LR SN OR BX	1981020000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm², Box	4032248676149 18 pc(s).		IEC: 400 V / 20 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 12 - AWG 26	Box
BLF 5.00HC/17/90LR SN BK BX	1979940000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm², Box	4032248675005 18 pc(s).		IEC: 400 V / 20 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 12 - AWG 26	Box

BLZP 5.00HC/270LR 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 feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00HC/17/270LR SN BK BX	1961040000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, Clamping yoke connection, Clamping	4032248640096 18 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

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Mating connector (conditionally pluggable)

		range, rated connection, max.: 4 mm ² , Box			
2014-05-20	BLZP 5.00HC/17/270LR SN OR BX	1960810000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248639816 18 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12

BLZP 5.00HC/90F 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 feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00HC/17/90F SN BK BX	1959600000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248638536	18 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
BLZP 5.00HC/17/90F SN OR BX	1959320000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248637805	18 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

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Mating connector (conditionally pluggable)

BLZ 5.00/90



Female plugs with clamping-yoke screw for wire connection with 90° outlet direction. The female plugs provide space for labelling and can be coded.

- 0.20 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Available until	Type	Order No.	Version	GTIN (EAN)	Qty.	Product data
2011-09-30	BLZ 5.00/90 SN BK BX	1637040000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190274283	18 pc(s).	IEC: 400 V / 15 A / 0.5 - 2.5 mm ² UL: 300 V / 10 A / 26 AWG
This article will no longer be available in the future.	2015-12-31	BLZ 5.00/17/90 SN OR BX	1636090000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190265717	18 pc(s).

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/17/135B 3.2SN OR BX

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Mating connector (conditionally pluggable)

BLZP 5.00HC/180LR 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 feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00HC/17/180LR SN OR BX	1956220000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248634910	18 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
BLZP 5.00HC/17/180LR SN BK BX	1956450000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248635214	18 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

BLZP 5.00HC/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 feature the integrated plus/minus screw, protection from under insertion of wire, and are delivered with open clamping yoke. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.00HC/17/180 SN OR BX	1954330000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm², Box	4032248633050	18 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 30 - AWG 12	Box
BLZP 5.00HC/17/180 SN BK BX	1955420000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 180°	4032248633906	18 pc(s).	IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 30 - AWG 12	Box

Erstellungs-Datum November 12, 2014 1:10:02 AM CET

**OMNIMATE Signal - series BL/SL 5.00
SL 5.00/17/135B 3.2SN OR BX**

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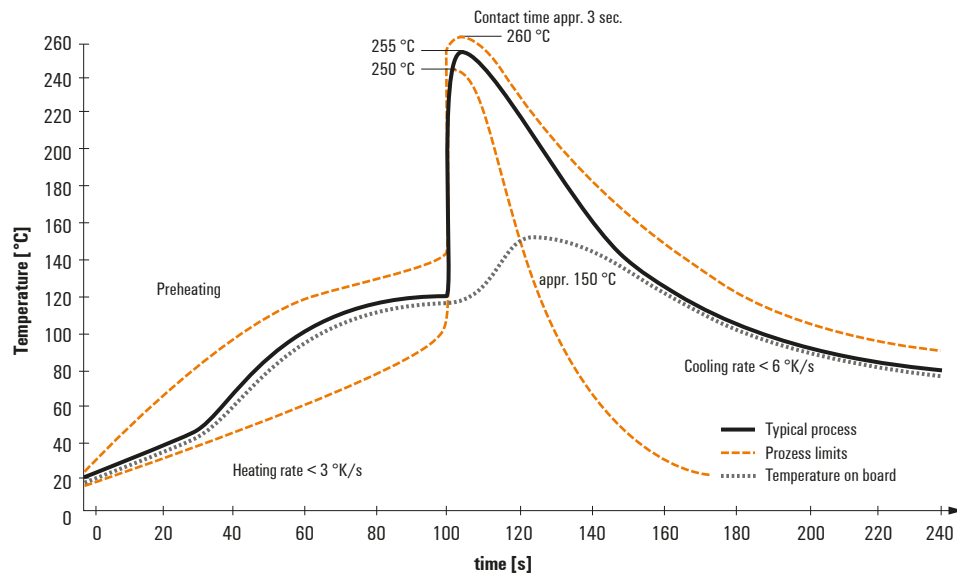
Mating connector (conditionally pluggable)

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

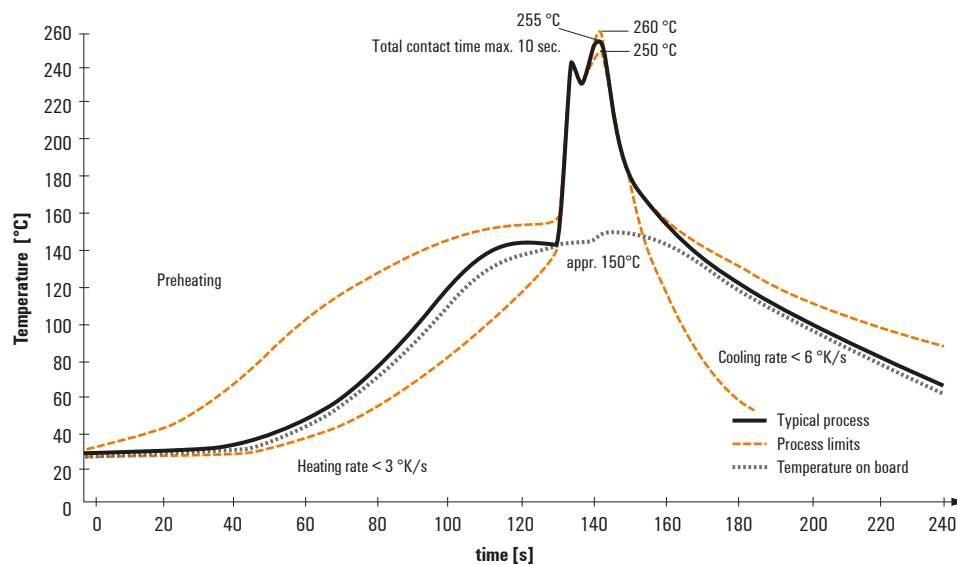
Recommended wave soldering profiles

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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.

We reserve the right to make technical changes.

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