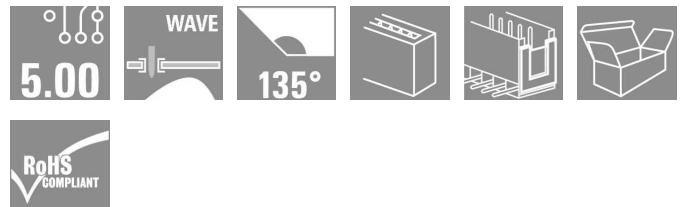


OMNIMATE Signal - series BL/SL 5.00 SL 5.00/17/135B 3.2SN OR BX

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Germany
Fon: +49 5231 14-0
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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
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System parameters

Product family		Mounting onto the PCB	
OMNIMATE Signal - series BL/SL 5.00		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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Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
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Fax: +49 5231 14-292083
www.weidmueller.com

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



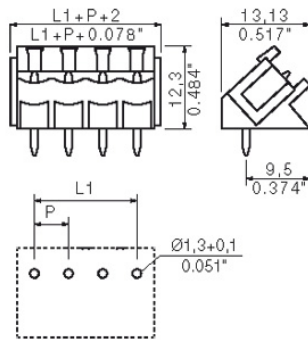
ROHS

Conform

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Fax: +49 5231 14-292083
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Zeichnungen



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

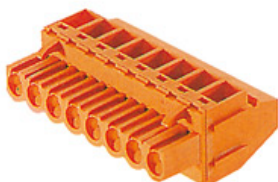
Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.00HC/17/90LH SN BK BX	1980130000	PCB plug-in connector, female plug, 5.00 mm, No. of poles: 17, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm², Box	4032248675197 18 pc(s).		IEC: 400 V / 20 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 12 - AWG 26	Box
2014-05-20T08:00:00Z 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	Box

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

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

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

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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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	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 / AWG 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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 Fon: +49 5231 14-0
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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



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/17/90F 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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Fax: +49 5231 14-292083
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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 / 26 AWG
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 / 26 AWG

OMNIMATE Signal - series BL/SL 5.00 SL 5.00/17/135B 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

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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Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

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

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 5.00/17/90 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 / AWG 26 - 12
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

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

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

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

Mating connector (conditionally pluggable)

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

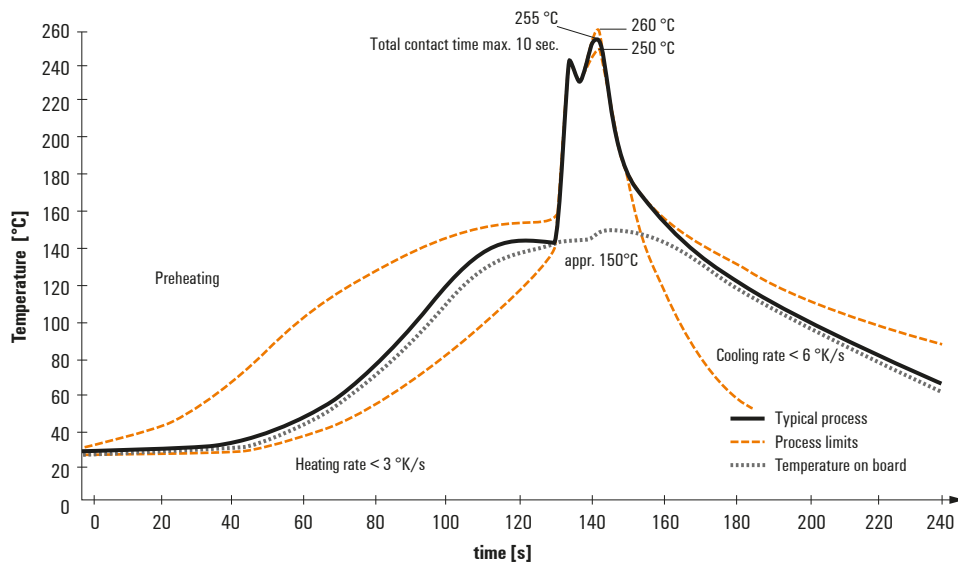
Recommended wave soldering profiles

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.

Addresses worldwide

Let's connect.

AE United Arab Emirates

Weidmüller Middle East FZE
Warehouse Q3-79
SAIF-Zone
P.O. BOX 8591
Sharjah
Telephone number +971 65572723
Fax number +971 65572724
wme.info@weidmueller.com

AO Angola

Please contact
Phambili Interface
South Africa

AR Argentina

CPI SA
Bauness 2660
C1431DOF Buenos Aires
Telephone number +54 11 4523 8008
Fax number +54 11 4522 0546
info@cpi.com.ar
www.cpi.com.ar

AT Austria

Weidmüller GmbH
IZ NOE Süd Straße 2b, Obj
M 59
2355 Wiener Neudorf
Telephone number +43 2236 67080
Fax number +43 2236 6708-899
office.at@weidmueller.com
www.weidmueller.com

AU Australia

Weidmüller Pty. Ltd.
PO BOX 6944
Huntingwood 2148
Huntingwood Drive 43
Huntingwood NSW 2148
Telephone number +61 2 9671 9999
Fax number +61 2 9671 9911
info@weidmuller.com.au
www.weidmuller.com.au

AZ Azerbaijan

Representative Office
Rashad Mahmudov
Demirchi Tower, 4th floor
37, Khojali ave.
AZ 1025 Baku
Telephone number +994 12 488 80 36
Fax number +994 12 488 80 37
rashad.mahmudov@weidmueller.com

BA Bosnia and Herzegovina

Please contact
our Representative Office
Weidmüller Interface GmbH
& Co. KG
Serbia

or

BIG electric d.o.o
Mladena Stojanovića 117A
78000 Banja Luka
Telephone number +387 51926277
Fax number +387 51926277
bigelectric@blic.net
www.bigelectric.ba

BE Belgium

Weidmüller Benelux B. V.
Mechelsesteenweg 519 bus
6 en 7
1930 Nossegem
Telephone number +32 2 752 40 70
Fax number +32 2 751 36 06
info@weidmueller.be
www.weidmueller.be

BG Bulgaria

Weid-Bul EOOD
Bul. "Kliment Ohridski" 13
1756 Sofia
Telephone number +359 2 963 2560
Fax number +359 2 963 1098
sofia@weidbul.com
www.weidbul.com

BH Bahrain

Khayber Trading Company
P.O Box 1976
Manama
Telephone number +973 720747
Fax number +973 720331
khayber@batelco.com.bh

BR Brazil

Weidmüller Conexel do Brasil
Conexões Elétricas Ltda.
Av. Presidente Juscelino, 642
- Piraporinha
Diadema, São Paulo
09950-370
Telephone number +55 (11) 4366-9600
Fax number +55 (11) 4362-1677
vendas@weidmueller.com.br
www.weidmueller.com.br

BW Botswana

Please contact
Phambili Interface
South Africa

BY Belarus

TECHNIKON Ltd.
Nezavisimosti pr. 177-9
220125 Minsk
Telephone number +375 17 393-11-77
Fax number +375 17 3930080
wm@technikon.by

CA Canada

W Interconnections Canada
Inc.
10 Spy Court
Markham Ontario L3R 5H6
Telephone number +1 (905) 475-1507 Ext. 9836
Fax number +1 (905) 475-2798
support@weidmuller.ca
www.weidmuller.ca

CG Congo

Please contact
Phambili Interface
South Africa

CH Switzerland

Weidmüller Schweiz AG
Rundbuckstraße 2
8212 Neuhausen am
Rheinfall SH
Telephone number +41 52 674 07 07
Fax number +41 52 674 07 08
info@weidmueller.ch
www.weidmueller.ch

CL Chile

ATS- INTECH
Maria Luisa Santander 0475
Santiago
Providencia 7500859
Telephone number +56 2 341 1271
Fax number +56 2 341 1275
felipe@atsintech.com
www.atsintech.com

CPI CHILE LTDA
Av. Presidente Frei Montalva
6001, 47 complejo el cortijo
Santiago - Conchalí
Telephone number +562 963 8440
Fax number +562 963 8440
cpi@cpichile.cl
www.cpichile.cl

CN China

Weidmüller Interface
(Shanghai) Co. Ltd.
100 Yutong Road
25 F. BM Intercontinental
Business Center
200070 Shanghai
Telephone number +86 21-22195008
Fax number +86 512-68417505
customer.hotline@weidmueller.com.cn
www.cnweidmuller.com

CO Colombia

Automatización Avanzada
S. A.
Carrera 97 No., 24 c - 23
Bodega 4
110911 Bogotá-D.C.
Telephone number +57 (1) 547-8510
Fax number +57 (1) 422-3044
comercial@automatizacionavanzada.com
www.automatizacionavanzada.com

CR Costa Rica

ELVATRON S. A.
la Uruca 400 Norte Banco
Costa Rica
San Jose Costa Rica
Telephone number +506 2961-060
Fax number +506 5200-609
dirk.haase@elvatron.com
www.elvatron.com

CZ Czech Republic

Weidmüller s.r.o.
Lomnického 5/1705
140 00 Praha 4
Telephone number +420 244 001 400
Fax number +420 244 001 499
office@weidmueller.cz
www.weidmueller.cz

DE Germany

Weidmüller GmbH & Co. KG
Ohmstraße 9
32758 Detmold
Postfach 30 54
32720 Detmold
Telephone number +49 5231 1428-0
Fax number +49 5231 14-292083
weidmueller@weidmueller.de
www.weidmueller.de

DK Denmark

Weidmüller Danmark
Vallensbækvej 18A
2605 Brøndby
Telephone number +45 27747800
kundeservice@weidmuller.dk
www.weidmuller.dk

EC Ecuador

Elsystec S. A., Electricidad
Sistemas y Tecnología
Vasco de Contreras N35-251
y Mañosa
Quito - Pichincha
Telephone number +593 22456510
Fax number +593 22456755
Elsystec@uiio.satnet.net

EE Estonia

Please contact
our Representative Office
Weidmüller Interface GmbH
& Co. KG
Latvia

or

Soots Interface OÜ
Pärnu mnt 142
11317 Tallinn
Telephone number +372 609 6933
Fax number
info@sootsinterface.ee
www.sootsinterface.ee

EG Egypt

Standard Electric (OMEGA)
87, Mohamed Farid Street
Heliopolis
Cairo
Telephone number +202 26229000
Fax number +202 26221555
stdelec@rite.com

ES Spain

Weidmüller, S. A.
Narcis Monturiol 11-13, Pol.
Ind. Sudoeste
8960 Sant Just
Desvern - Barcelona
Telephone number +34 934 803 386
Fax number +34 933 718 055
weidmuller@weidmuller.es
www.weidmuller.es

FI Finland

Weidmüller Suomi,
Weidmüller Aktiebolagetin
sivuliike
Koy Plaza Vivace
Äyritie 8C
FI 1510 Vantaa
Telephone number +358 20 7351300
Fax number +358 800 114 667
asiakaspalvelu@weidmuller.fi
www.weidmuller.fi

FR France

Weidmüller E. U. R. L.
12, Chaussée Jules César
BP 263 Osnay
95523 Cergy-Pontoise Cedex
Telephone number +33 1 34 24 55 00
Fax number +33 1 34 24 55 01
mail@weidmuller.fr

GB Great Britain

Weidmüller Ltd.
Klippon House
Centurion Court Office Park,
Meridian East, Meridian
Business Park
Leicester
LE19 1TP
Telephone number +44 116 282 3470
Fax number +44 116 289 3582
marketing@weidmuller.co.uk
www.weidmuller.co.uk

GE Georgia

Please contact
our Representative Office
Rashad Mahmudov
Azerbaijan.

GR Greece

G.A. Solutions
Ippokratous 11 Metamorfosi
144 52 Athen
Telephone number +30 210 2823233
Fax number +30 210 2823233
info@weidmuller.gr
www.weidmuller.gr

GT Guatemala

Prestelectro, Prestegard
Electro, S.A.
Avenida Petapa 44-22,
Zona 12
Guatemala City
Telephone number +502 2442-3346
Fax number +502 2476-8945
ventas@prestelectro.com

HK Hong Kong

Weidmüller (Hong Kong)
Limited Co. Ltd.
Unit 1617, Metropolis Tower
No. 10 Metropolis Drive,
Hunghom, Kowloon
Telephone number +852 3154 8088
Fax number +852 31548099
Info-hk@weidmueller.com.hk

HR Croatia

ElektroPARTNER d.o.o.
Slavonska avenija 24/6
HR-10000 Zagreb
Telephone number +385 (1) 6184 793
Fax number +385 (1) 6184 795
elektropartner@zg.t-com.hr
www.elektropartner.hr

HU Hungary

Weidmüller Kereskedelmi Kft.
Budapest
Gubacsi út 6.
1097
Telephone number +36 1 382 7700
Fax number +36 1 382 7701
info@weidmueller.hu
www.weidmueller.hu

ID Indonesia

PT. Nego Electrindo
Ruko Mega Grosir Cempaka
Mas Blok 1 No. 20 - 22
Jakarta 10640
Telephone number +62 21 42882255
Fax number +62 21 42882266
sales@negoelectrindo.co.id

IE Ireland

Please contact
Weidmüller Ltd.
Great Britain

IL Israel

A. U. Shay Ltd.
23/25, Embar Street
49222 Petach-Tikva
P.O. Box 1 00 49
49222 Petach-Tikva
Telephone number +972 3-923-3601
Fax number +972 3-923-4601
shay@uriel-shay.com
www.uriel-shay.com

ATEKA Ltd.
4, Ha Tavor lane Industrial
area Segula
49691 Petach-Tikva
P.O. Box 4710
Petach-Tikva
Telephone number +972 73-200-1311
Fax number +972 3-924 4245
marketing@ateka.co.il
www.ateka.co.il

IN India

Representative Office
Weidmüller Electronics India
Pvt. Ltd.
12th Lane North Avenue, Opp
Joggers Park,
Kalyani Nagar, Pune
411 006
Telephone number +91 20-41290090
Nitish.Rajan@weidmueller.de
www.weidmueller.com

IS Iceland

Samey Automation Center
Lyngas 13
210 Garabaer
Telephone number +354 510 5200
Fax number +354 510 5201
Samey@samey.is
www.samey.is

IT Italy

Weidmüller S. r.l.
Via Albert Einstein 4
20092 Cinisello
Balsamo Milano
Telephone number +39 02 660681
Fax number +39 02 6124945
weidmuller@weidmuller.it
www.weidmuller.it

JM Jamaica

Please contact
W Interconnections Inc.
United States

JO Jordan

Trans Jordan for Electro
PO Box 33 06 07
Amman
Telephone number +962 6 533 2020
Fax number +962 6 533 5800
transjordan@batelco.jo

JP Japan

Nihon Weidmüller Co. Ltd.
Sphere Tower Tennoz 2-2-8
Higashi-Shinagawa,
Shinagawa-ku
Tokyo
140-0002
Telephone number +81 3 6711 5300
Fax number +81 3 6711 5333
weidmullerjapan@weidmuller.co.jp
www.weidmuller.co.jp



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Sales company

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KR Korea Weidmüller Korea Co. Ltd. 9th floor, Wonbang B/D Samseong 2-Dong, Gangnam- Gu Seoul 143-42 Telephone number +82 2-516-0003 Fax number +82 2-516-0090 info@weidmuller.co.kr www.weidmuller.co.kr	MK Macedonia Please contact our Representative Office Weidmüller Interface GmbH & Co. KG Serbia or ELEKTRO - SMK dool UL. III Makedonska brigada b.b. 1000 Skopje Telephone number +389 22460295 Fax number Elektro-smk@telekabel.net.mk	NZ New Zealand Cuthbert S. Steward Ltd. 27 Te Puni Street Petone PO Box 38496 Wellington Mail Centre 5054 Telephone number (04) 568 6156 Fax number (09) 489 1752 csl@cuthbertstewart.co.nz Cuthbert S. Steward Ltd 4 Fred Thomas Drive Aon Building, Ground Floor, South Entry Takapuna PO Box 100 338 North Shore City 745 Telephone number (09) 489 1751 Fax number (04) 568 6056 cslak@cuthbertstewart.co.nz	PY Paraguay Please contact CPI SA Argentina	SG Singapore Weidmüller Pte. Ltd. 70 Bendemeer Road # 04-03 Luzerne Building Singapore 339940 Telephone number +65 6841 5311 Fax number +65 6841 5377 info@weidmuller.com.sg www.weidmuller.com.sg
KW Kuwait Kana Controls General Trading & Contracting Co. W. L. L. Al Rai Industrial Area, Plot 28-30, St. 31 13016 Safat B.P. 25593 Telephone number +965 4741373 Fax number +965 4741537 info@kanacontrols.com	MT Malta E. S. S., Electrical Supplies & Services Ltd. San Gwakklin Road Mrieħel Telephone number +356 21255777 Fax number +356 21255999 robert.agius@ess.com.mt	OM Oman DAN INTERNATIONAL LLC. Ghala St. 111 BP 2901 Seeb Telephone number +968 5036 77 Fax number +968 5037 55 yedu@danintl.com	QA Qatar Petroleum Technology Co. W.L.L. PO Box 16069 5th Floor Toyota tower Telephone number +974 44419603 Fax number +974 44419604 petrotec@qatar.net.qa www.petrotec.com.qa	SI Slovenia Elektrospoji d. o. o. Stegne 27 SI- 1000 Ljubljana Osrednjeslovenska Telephone number +386 1 511 3810 Fax number +386 1 511 1604 info@elektrospoji.si www.elektrospoji.si
KZ Kazakhstan Please contact OOO Weidmüller Russia	MU Mauritius Mubelo Electrical Ltd. Office 26, Gateway building, St Jean Road Quatre Bornes Mauritius Telephone number +230 4670989 Fax number +230 4654051 richard.mubelo@orange.mu	PE Peru IMPEXINCA S.A.C. Calle Ortiz de Zevallos No. 105, Urb. San Antonio 18 Lima, Miraflores Telephone number +51 1 447 5608 info@impexinca.pe www.impexinca.pe J & W CIA. S. A. Calle 6 Mz. D Lte. 23, Urb. Ind. Grimanesa 01 Callao Telephone number +51 1 572 2539 Fax number +51 1 572 0152 contacto@jwcia.com www.jwcia.com	RO Romania Representative Office Weidmüller Interface GmbH & Co. KG Ionescu Crum Street, No. 1, 1st Tower, 1st Floor, Office 4 500446 Brasov - Brasov Business Park Telephone number +40 (268) 446 222 Fax number +40 (262) 205 410 claudiu.totea@weidmueller. com www.weidmueller.com	SK Slovakia ELEKTRIS s.r.o. Elektrárnská 1 831 04 Bratislava Telephone number +421 2/4920 0113 Fax number +421 2/4920 0119 bratislava@elektris.sk
LB Lebanon Progress Engineering & Trading Enterprises Al Nahr Street Beirut 11-1111 Telephone number +961 1 444 664 Fax number +961 1 561 880 progress@inco.com.lb	MW Malawi Please contact Phambili Interface South Africa	PH Philippines Enclosure Systems Specialists Inc. 2276 Don Chino Roces Avenue Extension Room 103/105 Narra Building 1231 Makati City Telephone number +63 2 813 8580 Fax number +63 2 813 8596 sales_encsys@pltdsl.net www.enclosuresystemsph. com	RS Serbia Representative Office Weidmüller Interface GmbH & Co. KG Ustanička 189, III sprat Iokai 7a 11050 Beograd Telephone number +381 112885274 Fax number +381 112885274 zoran.rabrenovic@ weidmueller.com TeLa Elektrik d.o.o. Ul. Dr. Drage Ljočić 6 Beograd Telephone number +381 11 2772 415 Fax number +381 11 2772 850 office@tela.rs www.tela.rs	SV El Salvador Prestegard Electro 11 Avenida Norte No. 240 Edificio Salazar No. 2 San Salvador Telephone number +503 2271 1690 Fax number +503 2221 3851 prestegard@navegante.com.sv
LT Lithuania Please contact our Representative Office Weidmüller Interface GmbH & Co. KG Latvia or ELEKTROS IRANGA Tinklų g. 29 a LT-5319 Panevezys Telephone number +370 (45) 582 828 Fax number info@eliranga.lt	MX Mexico W Interconnections S. A. DE C. V. Blvd. Hermanos Serdán 698, Col. San Rafael Oriente 72029 Puebla Telephone number +52 (222) 268 6227 Fax number +52 (222) 286 6242 clientes@weidmuller.com.mx	PK Pakistan Automation Controls (Pak) Apartment No. 33 C III, Chenab Block, Allama Iqbal Town Lahore Telephone number +92 42 37809948 Fax number +92 42 37809950 nadeem@acpak.com.pk www.acpak.com.pk	RU Russia OOO Weidmüller Warshavskoye highway, 25 A, bld. 6 Moskau 117105 Telephone number +7 (495) 771-69-40 Fax number +7 (495) 771- 69-41 Info@weidmueller.ru www.weidmueller.ru	SY Syria Please contact Weidmüller Middle East FZE United Arab Emirates
LU Luxembourg Please contact Weidmüller Benelux B. V. Netherlands	MY Malaysia Connect Plus Technology Sdn Bhd No. 43, Jalan PJS 11/22, Bandar Sunway 46150 Petaling Jaya Selangor Darul Ehsan Telephone number +60 3 5633 7363 Fax number +60 3 5633 6562 paul@cptech.com.my www.cptech.com.my	PL Poland Weidmüller Sp. z o. o. ul. Ogrodowa 58 00-876 Warszawa Telephone number +48 22 510 09 40 Fax number +48 22 510 09 41 biuro@weidmuller.com.pl www.weidmuller.pl	SA Saudi Arabia Al Abdulkarim Holding Co. P.O. Box 4 Dammam 31411 Telephone number +966 3 8337110 Fax number +966 3 8829547 E-mail salehsk@akh.com.sa www.weidmueller.ae Saudi Electric Supply Company (SESCO) P.O. Box 32 98 Al Khobar 31952 Telephone number +966 3 8829546 Ext. 3030 Fax number E-mail Safdar.Malik@sescogex.com www.sesco-gex.com	SZ Swaziland Please contact Phambili Interface South Africa
LV Latvia SIA Abi4 Daugavgrivas 31b Riga, LV-1007 Telephone number +371 674 70999 Fax number +371 676 24562 abi_4@tvnet.lv Representative Office Weidmüller Interface GmbH & Co. KG Udens str. 12-118 Riga, LV-1007 Telephone number +371 29254766 Fax number +371 674 65637 lgonis.rudaks@weidmueller. com www.weidmueller.com	MZ Mozambique Please contact Phambili Interface South Africa	PR Puerto Rico Please contact W Interconnections Inc. United States		TH Thailand Pisanu Engineering Co. Ltd. Kwang Dingaeng, Khet Dingdaeng 800/2 Soi Trakulsuk, Asoke- dindaeng Road Dingdaeng, Bangkok 10400 Telephone number +66 2 248 2896 Fax number +662 105 6301 ecsales@pisanu.co.th www.pisanu.co.th Representative Office Weidmüller Pte. Ltd. 37/F, Sathorn Square Building 98 North Sathorn Road Bangkok, Silom Bangrak 10500 Telephone number +66 2 105 6300 Fax number +66 2 642 9220 info@weidmuller.com.sg
MD Moldova BERHORD A & D srl 79/1, str. Milescu Spartaru MD-2075 Chisinau Moldova Telephone number +373 (22) 815002 Fax number +373 (22) 815007 atiuleanu@berhord.com www.ad.berhord.com	NA Namibia Please contact Phambili Interface South Africa			TN Tunisia Please contact Weidmüller E. U. R. L. France
ME Montenegro Please contact our Representative Office Weidmüller Interface GmbH & Co. KG Serbia.	NG Nigeria Please contact			TR Turkey Weidmüller Elektronik Ticaret Ltd. Sirketi Kavacak Mah. Orhan Veli Kanik Caddesi 9/1 34810 Beykoz / Istanbul Telephone number +90 (216) 537 10 70 Fax number +90 (216) 537 10 77 info@weidmuller.com.tr www.weidmuller.com.tr

Addresses worldwide

Let's connect.

TW

Taiwan

Weidmuller (Hong Kong)
Limited
No. 3, Lane 89, ChaungYang
N. Rd
24148 SanChuang City,
Taipei
Telephone number +886 921
949 751
roy.lin@weidmueller.com.hk

TZ

Tanzania

Please contact
Phambili Interface
South Africa

UA

Ukraine

LLC WM UKRAINE
Levanevskogo str. 6
Kiev
3058
Telephone number +38 044
490 32 48
Fax number
info@wm-ua.com.ua
wm-ua.com.ua/

Representative Office
Weidmueller Interface GmbH
& Co. KG
Z, office 303
7-D, Zdolbunivska str.
Kiev, 2081
Telephone number
(mobile) +38 050 440 25 24
info.ua@weidmueller.com

US

United States

W Interconnections Inc.
821 Southlake Boulevard
Richmond Virginia 23236
Telephone number +1 (804)
794-2877
Fax number +1 (804) 379-
2593
info@weidmuller.com
www.weidmuller.com

UY

Uruguay

REWO Uruguay S. A.
AV. Bolivia 2001Esq
Rocafuerte
11300 Carrasco Montevideo
Telephone number +598
2604 8439
Fax number +598 2604
8439
rewo@rewo Uruguay.com.uy

UZ

Republic of Uzbekistan

Please contact
OOO Weidmüller
Russia

VE

Venezuela

Somerinca C. A.
Corazon de Jesus - 3ra
Transversal con calle el
Carmen- Los Dos Caminos
Caracas 1070-A
Telephone number +58
2122352748
Fax number +58
2122399341
klocmoeller@cantv.net
www.somerinca.com

VN

Vietnam

AUMI Industrial Equipment &
Automation Company Limited
E1, La Thanh Hotel
218 Doi Can Street
Lieu Gial Ward, Ba Dinh
District
Hanoi City
Telephone number +84 4
37628601
Fax number +84 4
62661391
aumi@aumi.com.vn
www.aumi.com.vn

Representative Office
Weidmüller Pte. Ltd.
Level 16 Saigon Tower
Building
29 Le Duan Street
District 1
Ho Chi Minh
Telephone number +848
3520 7717
Fax number +848 3520
7604
info@weidmuller.com.sg

ZA

South Africa

Phambili Interface
PO Box 193
1609 Johannesburg, Edenvale
5 Bundo Road, Sebenza
1610 Johannesburg
Telephone number +27 (11)
4521930
Fax number
info@weidmuller.co.za
www.weidmuller.co.za

ZM

Zambia

Please contact
Phambili Interface
South Africa

ZW

Zimbabwe

Please contact
Phambili Interface
South Africa