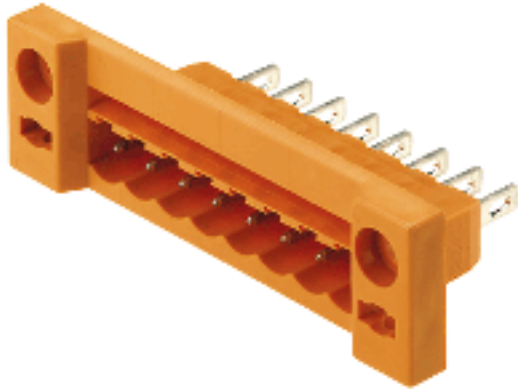


OMNIMATE Signal - series BL/SL 5.08
SLDF 5.08 L/F 5 SN OR BX

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 Klingenbergstraße 16
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 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



Male connector for through-panel mounting with optional locking function. Internal connection as flat-blade or solder connection. These male connectors provide space for labelling and can be coded.

- 400 V (IEC) / 300 V (UL)
- 15 A (IEC) / 10 A (UL)

General ordering data

Type	SLDF 5.08 L/F 5 SN OR BX
Order No.	1599160000
Version	PCB plug-in connector, male header, 5.08 mm, No. of poles: 5, 180°, Flat-blade connection, Solder connection, Box
GTIN (EAN)	4008190079970
Qty.	50 pc(s).
Product data	IEC: 400 V / 15 A UL: 300 V / 10 A
Packaging	Box

Creation date December 9, 2013 1:38:31 AM CET

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Technical data**Dimensions and weights**

Net weight	6.88 g
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System parameters

Product family	OMNIMATE Signal - series BL/SL 5.08	Wire connection method	Flat-blade connection, Solder connection
Conductor outlet direction	180°	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	No. of poles	5
L1 in mm	20.32 mm	L1 in inches	0.8 inch

Material data

Insulating material	PBT	Colour	Orange
Colour chart (similar)	RAL 2000	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	CuSn
Contact surface	tinned		

DIN IEC rating data

Rated current, min. no. of poles (TU=20°C)	15 A	Rated current, number of poles (Tu=40°C), min	13 A
Rated voltage for surge voltage class pollution degree II/2	400 V	Rated voltage for surge voltage class pollution degree III/2	320 V
Rated voltage for surge voltage class pollution degree III/3	250 V	Rated impulse voltage for surge voltage class pollution degree II/2	4 kV
Rated impulse voltage for surge voltage class pollution degree III/2	4 kV	Rated impulse voltage for surge voltage class contamination degree III/3	4 kV

CSA rating data

Institute (CSA)		Rated voltage (Use group B)	300 V
Rated current (use group B)	10 A	Rated voltage (use group D)	300 V
Rated current (use group D)	10 A		

UL 1059 rating data

Institute (UR)		Rated voltage (use group B)	300 V
Rated current (use group B)	10 A	Rated voltage (use group D)	300 V
Rated current (use group D)	10 A		

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		

OMNIMATE Signal - series BL/SL 5.08 SLDF 5.08 L/F 5 SN OR BX

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Technical data

Notes

Notes

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- Connectable cables with solder connection solid and flexible up to 2.5 mm² with insulating/shrink-wrap sleeve or from 2.8 mm flat blade receptacles with insulated sleeves acc. to DIN IEC 760
- 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.

Approvals

Approvals



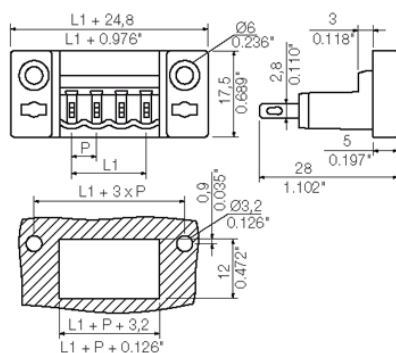
ROHS

Conform

OMNIMATE Signal - series BL/SL 5.08 SLDF 5.08 L/F 5 SN OR BX

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Drawings



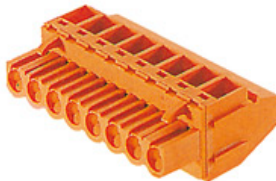
OMNIMATE Signal - series BL/SL 5.08

SLDF 5.08 L/F 5 SN OR BX

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Mating connector (conditionally pluggable)

BLZ 5.08/90B



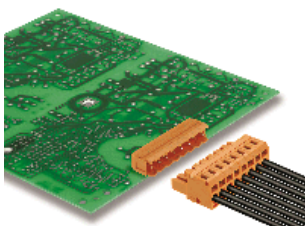
Female plugs with clamping-yoke screw connection. The female plugs provide space for labelling and can be coded.

- 0.2 - 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 5.08/05/90B SN BK BX	1555310000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190267971	66 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.08/05/90B SN OR BX	1555360000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190014902	66 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZF 5.08/180B



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

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF 5.08/05/180B SN OR BX	1708330000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190317799	66 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

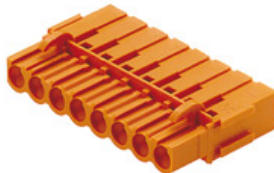
OMNIMATE Signal - series BL/SL 5.08

SLDF 5.08 L/F 5 SN OR BX

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Mating connector (conditionally pluggable)

BLC 5.08BR



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

- 0.25 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 21 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLC 5.08/05/180BR BK BX	1712140000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190935153	50 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box
BLC 5.08/05/180BR OR BX	1649400000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190294519	50 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box

BLZF 5.08/90B



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

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 16.5 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF 5.08/05/90B SN BK BX	1671510000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433215	66 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZF 5.08/05/90B SN OR BX	1671280000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, Tension clamp connection, Clamping range, rated	4008190432980	66 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

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Mating connector (conditionally pluggable)

connection, max.: 3.31
mm², Box

BLZ 5.08/270B



Female plugs with clamping-yoke screw connection.
The female plugs provide space for labelling and can be coded.

- 0.2 - 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 5.08/05/270B SN OR BX	1559960000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190123253	66 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.08/05/270B SN BK BX	1559910000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190269685	66 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZF 5.08/270B



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

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 16.5 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF 5.08/05/270B SN BK BX	1672660000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190434373	66 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08

SLDF 5.08 L/F 5 SN OR BX

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Mating connector (conditionally pluggable)

BLZF 5.08/05/270B SN OR BX	1672430000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190434144 66 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
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BLL 5.08/180B



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL 5.08/05/180B 3.2SN OR BX	1682760000	PCB plug-in connector, female header, Dovetails for fixing blocks, Solder connection, 5.08 mm, No. of poles: 5, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190474522 66 pc(s).		IEC: 400 V / 23 A UL: 300 V / 15 A	Box

ZZ_Varianten



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.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/05/180B SN DKGN BX	1529050000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190290214 50 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08

SLDF 5.08 L/F 5 SN OR BX

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Mating connector (conditionally pluggable)

BLDT 5.08B



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

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 14 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLDT 5.08/05/-B SN OR BX	1651770000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190400453	50 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLDT 5.08/05/-B SN BK BX	1673810000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190435547	50 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLZ 5.08/180B



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.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/05/180B SN BK BX	1529010000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190125189	50 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZ 5.08/05/180B SN OR BX	1529060000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping	4008190155308	50 pc(s).	IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SLDF 5.08 L/F 5 SN OR BX

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Mating connector (conditionally pluggable)

range, rated connection,
max.: 3.31 mm², Box

BLZP 5.08/225B SN



Clamping-yoke wire connection with right-angled (90° or 270°) or angled (225°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with 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.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/05/225B SN OR BX	1945780000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248621255 66 pc(s).		IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.08HC/05/225B SN BK BX	1946010000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248621538 66 pc(s).		IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLZ 5.08/225B



Female plugs with clamping-yoke screw for wire connection with 225° outlet direction. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 16.5 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/05/225B SN BK BX	1742360000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248049790 66 pc(s).		IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08
SLDF 5.08 L/F 5 SN OR BX

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Mating connector (conditionally pluggable)

BLZ [1742130000](#)
5.08/05/225B
SN OR BX

PCB plug-in connector, 4008190246778 66 pc(s).
female plug, 5.08 mm, No.
of poles: 5, 225°, Clamping
yoke connection, Clamping
range, rated connection,
max.: 3.31 mm², Box

IEC: 400 V / 16.5 A / 0.2 - 2.5 mm² Box
UL: 300 V / 10 A / AWG 26 - AWG 12

OMNIMATE Signal - series BL/SL 5.08

SLDF 5.08 L/F 5 SN OR BX

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Mating connector (fully pluggable)

BLZF 5.08/270



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

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 16.5 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF 5.08/05/270 SN BK BX	1672200000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433918 72 pc(s).		IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZF 5.08/05/270 SN OR BX	1671970000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190433680 72 pc(s).		IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

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.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ 5.08/05/180 SN BK BX	1526710000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190287856 50 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
BLZ 5.08/05/180 SN OR BX	1526760000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping	4008190052287 50 pc(s).		IEC: 400 V / 19 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08

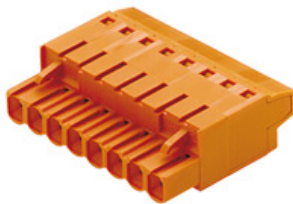
SLDF 5.08 L/F 5 SN OR BX

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Mating connector (fully pluggable)

range, rated connection,
 max.: 3.31 mm², Box

BLT 5.08



Female plugs with TOP screw system for connecting wires with straight 180° outlet direction. The female plugs provide space for labelling and can be coded.

- 0.2 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLT 5.08HC/05/180 SN OR BX	1499860000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190030285	72 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / AWG 26 - AWG 14	Box
BLT 5.08HC/05/180 SN BK BX	1499810000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, TOP connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4008190861728	72 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ² UL: 300 V / 13 A / AWG 26 - AWG 14	Box

BLZF 5.08/90



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

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 16.5 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF 5.08/05/90 SN OR BX	1670820000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190432423	72 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SLDF 5.08 L/F 5 SN OR BX

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Mating connector (fully pluggable)

BLZF 5.08/05/90 SN BK BX	1671050000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190432720 72 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
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BLZ 5.08/270



Female plugs with clamping-yoke screw connection.
The female plugs provide space for labelling and can be coded.

- 0.2 - 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 5.08/05/270 SN OR BX	1557660000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190144012 72 pc(s).		IEC: 400 V / 15 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.08/05/270 SN BK BX	1557610000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm², Box	4008190269456 72 pc(s).		IEC: 400 V / 15 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BL 5.08



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

- 0.2 - 1.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 11 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BL 5.08/05/180 SN OR BX	1716350000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Pressure clamp connection,	4008190376383 50 pc(s).		IEC: 400 V / 14 A / 0.2 - 1.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 14	Box

Creation date December 9, 2013 1:38:31 AM CET

OMNIMATE Signal - series BL/SL 5.08

SLDF 5.08 L/F 5 SN OR BX

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Mating connector (fully pluggable)

		Clamping range, rated connection, max.: 2.08 mm ² , Box			
BL	1716500000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4008190376543 50 pc(s).	IEC: 400 V / 14 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box
5.08/05/180					
SN BK BX					
BL	1723860000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Pressure clamp connection, Clamping range, rated connection, max.: 2.08 mm ² , Box	4008190376222 50 pc(s).	IEC: 400 V / 14 A / 0.2 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 14	Box
5.08/05/180					
SN DKGX BX					

BLDZ DN 5.08F AU



Female plugs with two clamping-yoke screw connections per pole. The integrated cross-connection enables the signals (e.g. DeviceNet) to be looped through securely. The T-type arrangement of the connections enables individual modules to be decoupled easily from the network. The test point enables manual diagnosis. The gold-plated contact system guarantees up to 1,000 plugging/unplugging operations!

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 18 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLDZ	1919990000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 2.5 mm ² , Box	4032248557899 50 pc(s).		IEC: 400 V / 16 A / 0.2 - 2.5 mm ² UL: 300 V / 15 A / AWG 22 - AWG 12	Box
DN5.08/5/180F						
GR BED						

OMNIMATE Signal - series BL/SL 5.08

SLDF 5.08 L/F 5 SN OR BX

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Mating connector (fully pluggable)

BLZ 5.08/90



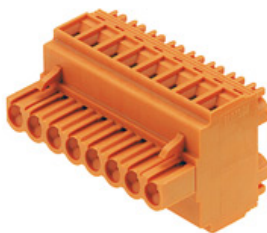
Female plugs with clamping-yoke screw connection. The female plugs provide space for labelling and can be coded.

- 0.2 - 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 5.08/05/90 SN BK BX	1553010000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190267735	72 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLZ 5.08/05/90 SN OR BX	1553060000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190081331	72 pc(s).	IEC: 400 V / 15 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

BLDT 5.08



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

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 14 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLDT 5.08/05/- SN OR BX	1644760000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, TOP connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4008190283971	50 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLDT 5.08/05/- SN BK BX	1660740000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, TOP connection, Clamping	4008190417192	50 pc(s).	IEC: 400 V / 14 A / 0.2 - 2.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SLDF 5.08 L/F 5 SN OR BX

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Mating connector (fully pluggable)

range, rated connection,
max.: 3.31 mm², Box

BLZP 5.08/270 SN



Female plugs with clamping-yoke screw connection for wire connection and a right-angle (90° or 270°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with flange or release latch. They feature an integrated plus/minus screw, protection against false insertion under clamping yoke. They are delivered with an opened clamping yoke.

- 0.2 – 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
BLZP 5.08HC/05/270 SN OR BX	1948820000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248626274	72 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box
BLZP 5.08HC/05/270 SN BK BX	1949050000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 270°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box	4032248626502	72 pc(s).	IEC: 400 V / 15.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 30 - AWG 12	Box

BLL 5.08/90



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL 5.08/05/90 3.2 SN OR BX	1622970000	PCB plug-in connector, female header, closed side, Solder connection, 5.08 mm, No. of poles: 5, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190194017	72 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	Box

OMNIMATE Signal - series BL/SL 5.08

SLDF 5.08 L/F 5 SN OR BX

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Mating connector (fully pluggable)

BLZP 5.08/225 SN



Clamping-yoke wire connection with right-angled (90° or 270°) or angled (225°) outlet direction. The female plugs provide space for labelling and can be coded. Can be fastened with 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.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP	1946280000	PCB plug-in connector,	4032248621859	72 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
5.08HC/05/225		female plug, 5.08 mm, No.			UL: 300 V / 15 A / AWG 30 - AWG 12	
SN OR BX		of poles: 5, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box				
BLZP	1946590000	PCB plug-in connector,	4032248622368	72 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm ²	Box
5.08HC/05/225		female plug, 5.08 mm, No.			UL: 300 V / 15 A / AWG 30 - AWG 12	
SN BK BX		of poles: 5, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , 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.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 17 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZF	1707720000	PCB plug-in connector,	4008190316723	72 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ²	Box
5.08/05/180		female plug, 5.08 mm,			UL: 300 V / 15 A / AWG 26 - AWG 12	
SN BK BX		No. of poles: 5, 180°, Tension clamp connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				
BLZF	1707490000	PCB plug-in connector,	4008190395865	72 pc(s).	IEC: 400 V / 17 A / 0.2 - 2.5 mm ²	Box
5.08/05/180		female plug, 5.08 mm,			UL: 300 V / 15 A / AWG 26 - AWG 12	
SN OR BX		No. of poles: 5, 180°, Tension clamp connection, Clamping range, rated				

OMNIMATE Signal - series BL/SL 5.08

SLDF 5.08 L/F 5 SN OR BX

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Mating connector (fully pluggable)

connection, max.: 3.31
 mm², Box

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.

- 0.2 - 2.5 mm² (IEC) / 26 - 12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 16.5 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ	1741900000	PCB plug-in connector,	4008190255596	72 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ²	Box
5.08/05/225		female plug, 5.08 mm, No.			UL: 300 V / 10 A / AWG 26 - AWG 12	
SN BK BX		of poles: 5, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				
BLZ	1741670000	PCB plug-in connector,	4032248049844	72 pc(s).	IEC: 400 V / 16.5 A / 0.2 - 2.5 mm ²	Box
5.08/05/225		female plug, 5.08 mm, No.			UL: 300 V / 10 A / AWG 26 - AWG 12	
SN OR BX		of poles: 5, 225°, Clamping yoke connection, Clamping range, rated connection, max.: 3.31 mm ² , Box				

BLIDC 5.08



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

- 0.35 - 0.75 mm² (IEC) / 22 - 20 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 11 A (IEC) / 5 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLIDC	1724970000	PCB plug-in connector,	4008190377311	50 pc(s).	IEC: 400 V / 11 A / 0.5 - 0.75 mm ²	Box
5.08/05/180		female plug, 5.08 mm,			UL: 300 V / 5 A / AWG 22 - AWG 20	
SN OR BX		No. of poles: 5, 180°, IDC terminal, Clamping range, rated connection, max.: 0.75 mm ² , Box				

OMNIMATE Signal - series BL/SL 5.08

SLDF 5.08 L/F 5 SN OR BX

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Mating connector (fully pluggable)

BLZP 5.08/180 SN



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. Can be fastened with 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.

- 0.2 – 2.5 mm² (IEC) / 26-12 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 19 A (IEC) / 15 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP	1943610000	PCB plug-in connector,	4032248617609	45 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ²	Box
5.08/05/180		female plug, 5.08 mm, No.			UL: 300 V / 15 A / AWG 30 - AWG 12	
SN OR BX		of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box				
BLZP	1943840000	PCB plug-in connector,	4032248617876	45 pc(s).	IEC: 400 V / 19 A / 0.2 - 4 mm ²	Box
5.08/05/180		female plug, 5.08 mm, No.			UL: 300 V / 15 A / AWG 30 - AWG 12	
SN BK BX		of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm ² , Box				

BLL 5.08/180



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

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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL	1630740000	PCB plug-in connector,	4008190204167	72 pc(s).	IEC: 400 V / 23 A	Box
5.08/05/180		female header, closed side,			UL: 300 V / 15 A	
3.2 SN OR BX		Solder connection, 5.08 mm, No. of poles: 5, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box				

OMNIMATE Signal - series BL/SL 5.08

SLDF 5.08 L/F 5 SN OR BX

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Mating connector (fully pluggable)

BLF 5.08/90 SN



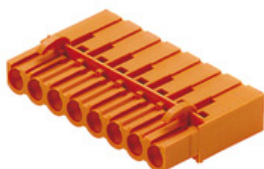
Just as reliable as the tried-and-tested original, with innovation in detail: the BLF 5.08, PUSH-IN version of the BLZ 5.08 female header, features a new connection system and a more compact design. Weidmüller innovative PUSH-IN spring connection features a trend-setting, tool-free wire connection system that is simple to operate. In terms of versatility, the BLF 5.08 offers just as much as the older versions:

- The choice of three wire outlet directions offers you proven design flexibility for your applications.
- Four flange variations, including the patented release latch, so you can design the interlock based on the requirements of the user.
- Use the BLF 5.08 and SL 5.08HC plug combination in order to reach the max. rated specifications.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.08HC/05/90 SN OR BX	1001560000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248693368	72 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box
BLF 5.08HC/05/90 SN BK BX	1000060001	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 90°, PUSH IN spring connection, Clamping range, rated connection, max.: 3.31 mm ² , Box	4032248689996	72 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box

BLC 5.08R



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

- 0.25 - 2.5 mm² (IEC) / 26 - 14 AWG (UL)
- 400 V (IEC) / 300 V (UL)
- 21 A (IEC) / 10 A (UL)

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLC 5.08/05/180R BK BX	1711990000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 5, 180°, Crimp connection, Clamping	4008190935009	50 pc(s).	IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box

OMNIMATE Signal - series BL/SL 5.08
SLDF 5.08 L/F 5 SN OR BX

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Mating connector (fully pluggable)

		range, rated connection, max.: 2.5 mm ² , Box		
BLC	1610520000	PCB plug-in connector,	4008190017736 50 pc(s).	IEC: 400 V / 21 A
5.08/05/180R		female plug, 5.08 mm, No.		UL: 300 V / 10 A / AWG 26 - AWG 14
OR BX		of poles: 5, 180°, Crimp connection, Clamping range, rated connection, max.: 2.5 mm ² , Box		Box

