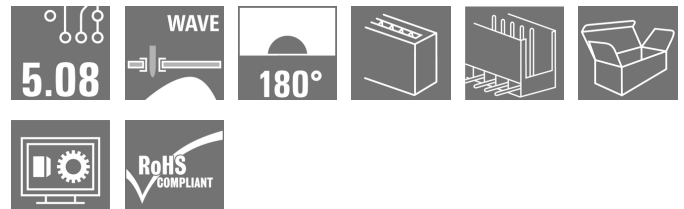


OMNIMATE Signal - series BL/SL 5.08 SL 5.08/06/180 3.2SN OR BX

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



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

General ordering data

Delivery status	This article will no longer be available in the future.
Available until	2019-12-31
Type	SL 5.08/06/180 3.2SN OR BX
Order No.	1517660000
Version	PCB plug-in connector, male header, open side, THT solder connection, 5.08 mm, No. of poles: 6, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box
GTIN (EAN)	4008190139445
Qty.	50 pc(s).
Product data	IEC: 400 V / 18 A UL: 300 V / 15 A
Packaging	Box
Alternative product	1146450000

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/06/180 3.2SN OR BX

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

Technical data

Dimensions and weights

Net weight 1.83 g

System specifications

Product family	OMNIMATE Signal - series BL/SL 5.08	Mounting onto the PCB	THT solder connection
Pitch in mm (P)	5.08 mm	Pitch in inches (P)	0.2 inch
Outgoing elbow	180°	No. of poles	6
Number of solder pins per pole	1	Solder pin length (l)	3.2 mm
Solder pin length tolerance	+0.1 / -0.3 mm	Tolerance of solder pin position	± 0.1 mm
Solder pin dimensions	d = 1.2 mm, Octagonal	Solder pin dimensions = d tolerance	0 / -0.03 mm
Solder eyelet hole diameter (D)	1.3 mm	Solder eyelet hole diameter tolerance (D)	+ 0.1 mm
L1 in mm	25.4 mm	L1 in inches	1 inch
Number of rows	1	Pin series quantity	1
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch, plugged	Touch-safe protection acc. to DIN VDE 0470	IP20 plugged
Volume resistance	4.50 mΩ	Can be coded	Yes
Plugging cycles	25	Withdrawal force per pole	2 N
Packaging	Box		

Material data

Insulating material	PBT	Colour	Orange
Colour chart (similar)	RAL 2000	Insulating material group	IIIa
CTI	≥ 200	Insulation resistance	≥ 10 ⁸ Ω
UL 94 flammability rating	V-0	Contact material	CuSn
Contact surface	tinned	Layer structure of solder connection	1-3 µm Ni / 2-4 µm Sn matt
Layer structure of plug contact	1-3 µm Ni / 2-4 µm Sn matt	Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C	Max. relative humidity during storage	80 %
Operating temperature, min.	-50 °C	Operating temperature, max.	100 °C
Temperature range, installation, min.	-25 °C	Temperature range, installation, max.	100 °C

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. no. of poles (Ta = 20°C)	18 A
Rated current, max. no. of poles (Ta = 20°C)	14.5 A	Rated current, min. no. of poles (Ta = 40°C)	15 A
Rated current, max. no. of poles (Ta = 40°C)	12 A	Rated voltage for surge voltage class / pollution degree 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	Short-time withstand current resistance	3 x 1s with 120 A

**OMNIMATE Signal - series BL/SL 5.08
SL 5.08/06/180 3.2SN OR BX**

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

Technical data**Rated data acc. to CSA**

Institute (CSA)



Certificate No. (CSA)

200039-1121690

Rated voltage (Use group B)

300 V

Rated voltage (use group D)

300 V

Rated current (use group B)

15 A

Rated current (use group D)

10 A

Reference to approval values

Specifications are
 maximum values, details -
 see approval certificate.

Rated data acc. to UL 1059

Institute (UR)



Certificate No. (UR)

E60693

Rated voltage (use group B)

300 V

Rated voltage (use group D)

300 V

Rated current (use group B)

15 A

Rated current (use group D)

10 A

Reference to approval values

Specifications are
 maximum values, details -
 see approval certificate.

Classifications

ETIM 3.0

EC001284

ETIM 4.0

EC002637

ETIM 5.0

EC002637

ETIM 6.0

EC002637

UNSPSC

30-21-18-10

eClass 5.1

27-26-07-04

eClass 6.2

27-26-07-04

eClass 7.1

27-44-04-02

eClass 8.1

27-44-04-02

eClass 9.0

27-44-04-02

eClass 9.1

27-44-04-02

Notes

Notes

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- P on drawing = pitch
- Rated data refer only to the component itself. Clearance and creepage distances to other components are to be designed in accordance with the relevant application standards.

IPC conformity

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

Approvals

Approvals



ROHS

Conform

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/06/180 3.2SN OR BX

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

Technical data

Downloads

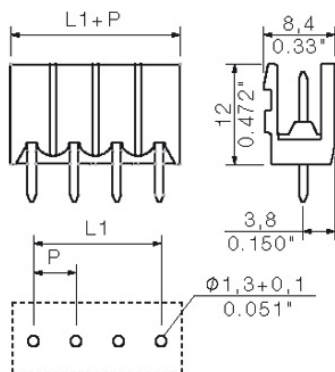
Approval/Certificate/Document of Conformity	Declaration of the Manufacturer
Brochure/Catalogue	FL DRIVES EN MB DEVICE MANUF. EN FL DRIVES DE FL BUILDING SAFETY EN FL APPL LED LIGHTING EN FL INDUSTR.CONTROLS EN FL MACHINE SAFETY EN FL HEATING ELECTR EN FL APPL INVERTER EN FL BASE STATION EN FL ELEVATOR EN FL POWER SUPPLY EN FL 72H SAMPLE SER EN PO OMNIMATE EN
Engineering Data	WSCAD

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/06/180 3.2SN OR BX

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

Drawings

Dimensional drawing



OMNIMATE Signal - series BL/SL 5.08

SL 5.08/06/180 3.2SN OR BX

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

Mating connector (fully pluggable)

BLZP 5.08HC/270 SN



Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/06/270 SN OR BX	1948830000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 270°, Clamping yoke connection, Clamping range, max.: 4 mm², Box	4032248626281 60 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 26 - AWG 12	Box
BLZP 5.08HC/06/270 SN BK BX	1949060000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 270°, Clamping yoke connection, Clamping range, max.: 4 mm², Box	4032248626519 60 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 26 - AWG 12	Box

BLDT 5.08



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLDT 5.08/06/- SN BK BX	1660750000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm², Box	4008190417208 50 pc(s).		IEC: 400 V / 14 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box
BLDT 5.08/06/- SN OR BX	1644770000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 180°, Clamping yoke connection, Clamping range, max.: 3.31 mm², Box	4008190283988 50 pc(s).		IEC: 400 V / 14 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/06/180 3.2SN OR BX

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

Mating connector (fully pluggable)

BLC 5.08R



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLC 5.08/06/180R BK BX	1712000000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 180°, Crimp connection, Clamping range, max.: 2.5 mm ² , Box	4008190935016 50 pc(s).		IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box
BLC 5.08/06/180R OR BX	1610530000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 180°, Crimp connection, Clamping range, max.: 2.5 mm ² , Box	4008190123819 50 pc(s).		IEC: 400 V / 21 A UL: 300 V / 10 A / AWG 26 - AWG 14	Box

BLF 5.08HC/180 SN



Just as reliable as the millionfold proven original and featuring innovative details:
 The BLF 5.08HC PUSH IN version of the BLZP 5.08HC female connector is not only different in terms of connection system; it also has a more compact design. Weidmüller's innovative PUSH IN spring connection system stands for the future of easy and tool-free wire connection. HC = High Current.
 In terms of versatility, the BLF 5.08HC offers just as much as the version which served as a model:

- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user
- Use the BLF 5.08HC and SL 5.08HC plug combination to reach the max. rated specifications

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.08HC/06/180 SN BK BX	1013470000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 180°, PUSH IN, Clamping range, max.: 3.31 mm ² , Box	4032248721627 60 pc(s).		IEC: 400 V / 24 A / 0.2 - 2.5 mm ² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/06/180 3.2SN OR BX

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

Mating connector (fully pluggable)

BLF	1013730000	PCB plug-in connector,	4032248721849 60 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
5.08HC/06/180		female plug, 5.08 mm, No.		UL: 300 V / 18.5 A / AWG 26 - AWG	
SN OR BX		of poles: 6, 180°, PUSH		12	
		IN, Clamping range, max. :			
		3.31 mm ² , Box			

BLF 5.08HC/90 SN



Just as reliable as the millionfold proven original and featuring innovative details:

The BLF 5.08HC PUSH IN version of the BLZP 5.08HC female connector is not only different in terms of connection system; it also has a more compact design. Weidmüller's innovative PUSH IN spring connection system stands for the future of easy and tool-free wire connection. HC = High Current.

In terms of versatility, the BLF 5.08HC offers just as much as the version which served as a model:

- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user
- Use the BLF 5.08HC and SL 5.08HC plug combination to reach the max. rated specifications

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF	1000070001	PCB plug-in connector,	4032248690008 60 pc(s).		IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
5.08HC/06/90		female plug, 5.08 mm, No.			UL: 300 V / 18.5 A / AWG 26 - AWG	
SN BK BX		of poles: 6, 90°, PUSH IN,			12	
		Clamping range, max. :				
		3.31 mm ² , Box				
BLF	1001570000	PCB plug-in connector,	4032248693375 60 pc(s).		IEC: 400 V / 24 A / 0.2 - 2.5 mm ²	Box
5.08HC/06/90		female plug, 5.08 mm, No.			UL: 300 V / 18.5 A / AWG 26 - AWG	
SN OR BX		of poles: 6, 90°, PUSH IN,			12	
		Clamping range, max. :				
		3.31 mm ² , Box				

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/06/180 3.2SN OR BX

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

Mating connector (fully pluggable)

BLZP 5.08HC/90 SN



Female plugs with clamping-yoke connection for connecting wires with a right-angle (90° or 270°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/06/90 SN BK BX	1948280000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 90°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248624805 60 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 26 - AWG 12	Box
BLZP 5.08HC/06/90 SN OR BX	1948040000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 90°, Clamping yoke connection, Clamping range, max.: 4 mm ² , Box	4032248624263 60 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm ² UL: 300 V / 20 A / AWG 26 - AWG 12	Box

BLL 5.08/90



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL 5.08/06/90 3.2 SN OR BX	1622980000	PCB plug-in connector, female header, closed side, THT solder connection, 5.08 mm, No. of poles: 6, 90°, Solder pin length (l): 3.2 mm, tinned, Orange, Box	4008190279301 60 pc(s).		IEC: 400 V / 23 A UL: 300 V / 15 A	Box

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/06/180 3.2SN OR BX

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

Mating connector (fully pluggable)

BLZP 5.08HC/180 SN



Female plug with clamping-yoke screw system for connecting wires with straight (180°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/06/180 SN BK BX	1943850000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 180°, Clamping yoke connection, Clamping range, max.: 4 mm², Box	4032248617999 60 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 26 - AWG 12	Box
BLZP 5.08HC/06/180 SN OR BX	1943620000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 180°, Clamping yoke connection, Clamping range, max.: 4 mm², Box	4032248617616 60 pc(s).		IEC: 400 V / 23 A / 0.2 - 4 mm² UL: 300 V / 20 A / AWG 26 - AWG 12	Box

BLDF 5.08/180 SN



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLDF 5.08/06/180 SN BK BX	1000900000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 180°, PUSH IN, Clamping range, max.: 3.31 mm², Box	4032248817412 40 pc(s).		IEC: 400 V / 20.8 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 12 - AWG 26	Box
BLDF 5.08/06/180 SN OR BX	1001190000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 180°, PUSH IN, Clamping range, max.: 3.31 mm², Box	4032248818174 40 pc(s).		IEC: 400 V / 20.8 A / 0.2 - 2.5 mm² UL: 300 V / 10 A / AWG 12 - AWG 26	Box

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/06/180 3.2SN OR BX

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

Mating connector (fully pluggable)

BLF 5.08HC/270 SN



Just as reliable as the millionfold proven original and featuring innovative details:

The BLF 5.08HC PUSH IN version of the BLZP 5.08HC female connector is not only different in terms of connection system; it also has a more compact design. Weidmüller's innovative PUSH IN spring connection system stands for the future of easy and tool-free wire connection. HC = High Current.

In terms of versatility, the BLF 5.08HC offers just as much as the version which served as a model:

- 3 tested-and-proven wire outlet directions provide the usual flexibility for application-specific design
- 4 flange variations and the patented release latch allow the locking concept to be based on the requirements of the user
- Use the BLF 5.08HC and SL 5.08HC plug combination to reach the max. rated specifications

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLF 5.08HC/06/270 SN OR BX	1982740000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 270°, PUSH IN, Clamping range, max. : 3.31 mm², Box	4032248686834	60 pc(s).	IEC: 400 V / 24 A / 0.2 - 2.5 mm² UL: 300 V / 18.5 A / AWG 26 - AWG 12	Box
Discontinued	2016-04-08T00:00:00+02:00	BLF 5.08HC/06/270 SN BK BX	1981970000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 270°, PUSH IN, Clamping range, max. : 3.31 mm², Box	4032248684663	60 pc(s).

BLL 5.08/180



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL 5.08/06/180 3.2 SN OR BX	1630750000	PCB plug-in connector, female header, closed side, THT solder connection, 5.08 mm, No. of poles: 6,	4008190204174	60 pc(s).	IEC: 400 V / 23 A UL: 300 V / 15 A	Box

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/06/180 3.2SN OR BX

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

Mating connector (fully pluggable)

180°, Solder pin length (l):
3.2 mm, tinned, Orange,
Box

BLZP 5.08HC/225 SN

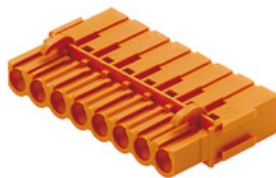


Clamping-yoke connection with right-angled (90° or 270°) or angled (225°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. They also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/06/225 SN OR BX	1946290000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 225°, Clamping yoke connection, Clamping range, max. : 4 mm², Box	4032248621866	60 pc(s).	IEC: 400 V / 17.5 A / 0.2 - 4 mm² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
Discontinued	2016-04-08T00:00:00+02:00	BLZP 5.08HC/06/225 SN BK BX	1946600000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 225°, Clamping yoke connection, Clamping range, max. : 4 mm², Box	4032248622375	60 pc(s).

BLC 5.08BR



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLC 5.08/06/180BR BK BX	1712150000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 180°, Crimp connection, Clamping range, max. : 2.5 mm², Box	4008190935160	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

SL 5.08/06/180 3.2SN OR BX

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

Mating connector (fully pluggable)

BLC	1649410000	PCB plug-in connector,	4008190294526 50 pc(s).	IEC: 400 V / 21 A	Box
5.08/06/180BR		female plug, 5.08 mm, No.		UL: 300 V / 10 A / AWG 26 - AWG 14	
OR BX		of poles: 6, 180°, Crimp connection, Clamping range, max. : 2.5 mm², Box			

BLL 5.08/180B



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLL	1682770000	PCB plug-in connector,	4008190474539 54 pc(s).		IEC: 400 V / 23 A	Box
5.08/06/180B		female header, Dovetails for fixing blocks, THT solder connection, 5.08 mm, No.			UL: 300 V / 15 A	
3.2SN OR BX		of poles: 6, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box				

BLDT 5.08B



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

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLDT	1651780000	PCB plug-in connector,	4008190400460 45 pc(s).		IEC: 400 V / 14 A / 0.2 - 2.5 mm²	Box
5.08/06/-B		female plug, 5.08 mm, No.			UL: 300 V / 10 A / AWG 26 - AWG 12	
SN OR BX		of poles: 6, 180°, Clamping yoke connection, Clamping range, max. : 3.31 mm², Box				
Discontinued	2014-05-20T00:00:00+02:00	BLDT 5.08/06/-B SN BK BX	1673820000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 180°, Clamping	4008190435554	45 pc(s).

OMNIMATE Signal - series BL/SL 5.08

SL 5.08/06/180 3.2SN OR BX

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

Mating connector (fully pluggable)

yoke connection,
 Clamping range,
 max. : 3.31 mm²,
 Box

BLZP 5.08HC/225B SN



Clamping-yoke connection with right-angled (90° or 270°) or angled (225°) outlet direction. The female connectors provide space for labelling and can be coded. Fastened by means of a flange or release latch. The also provide an integrated plus/minus screw, protection against faulty insertion of the wire, and they are delivered with open clamping yokes. HC = High Current.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZP 5.08HC/06/225B SN OR BX	1945790000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 225°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	4032248621262 54 pc(s).		IEC: 400 V / 17.5 A / 0.2 - 4 mm ² UL: 300 V / 15 A / AWG 26 - AWG 12	Box
Discontinued	2016-04-08T00:00:00+02:00	BLZP 5.08HC/06/225B SN BK BX	1946020000	PCB plug-in connector, female plug, 5.08 mm, No. of poles: 6, 225°, Clamping yoke connection, Clamping range, max. : 4 mm ² , Box	4032248621552	54 pc(s).

OMNIMATE Signal - series BL/SL 5.08 SL 5.08/06/180 3.2SN OR BX

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

Accessories

Coding elements



Only connects what is supposed to be connected: the right connection at the right place.

Coding elements and locking devices clearly assign connecting elements during the manufacturing process and operation

The coding elements and locking devices are inserted prior to assembly or during the cable assembly phase. The Weidmüller alternative: configure online using the variant configurator to precode prior to delivery.

Incorrect assembly on the circuit board and incorrect plugging of connecting elements is no longer possible. The advantage: no troubleshooting during manufacture and no operational errors by the user.

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
BLZ/SL KO OR BX	1573010000	PCB plug-in connector, Accessories, Coding element, Orange, No. of poles: 1	4008190048396	100 pc(s).	UL:	Box
BLZ/SL KO BK BX 1885	1545710000	PCB plug-in connector, Accessories, Coding element, Black, No. of poles: 1	4008190087142	50 pc(s).	UL:	Box

Additional accessories



No task is too small when creating the perfect solution.

Connections form just one part of the overall process. Small details are often the key to the perfect solution in applications where potentials are tested, grouped or even isolated.

A system is not a system without small but useful details:

- Test plugs - ensure reliable pick-up from diagnostic sockets
- Cross-connectors - ensure a stable electrical distribution contact directly at the connection
- Compartment partition elements - divide a large number of male connectors into several separate socket connector channels
- Locks and clips - optional vibration-resistant clip-on connection or mounting for male and female connectors

In tandem with the manufacturing process and application - more accessories = smaller workload

General ordering data

Type	Order No.	Version	GTIN (EAN)	Qty.	Product data	Packaging
SL AT SW	1770240000	PCB plug-in connector, Accessories, Partition	4032248117710	100 pc(s).	UL:	Box

OMNIMATE Signal - series BL/SL 5.08
SL 5.08/06/180 3.2SN OR BX

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

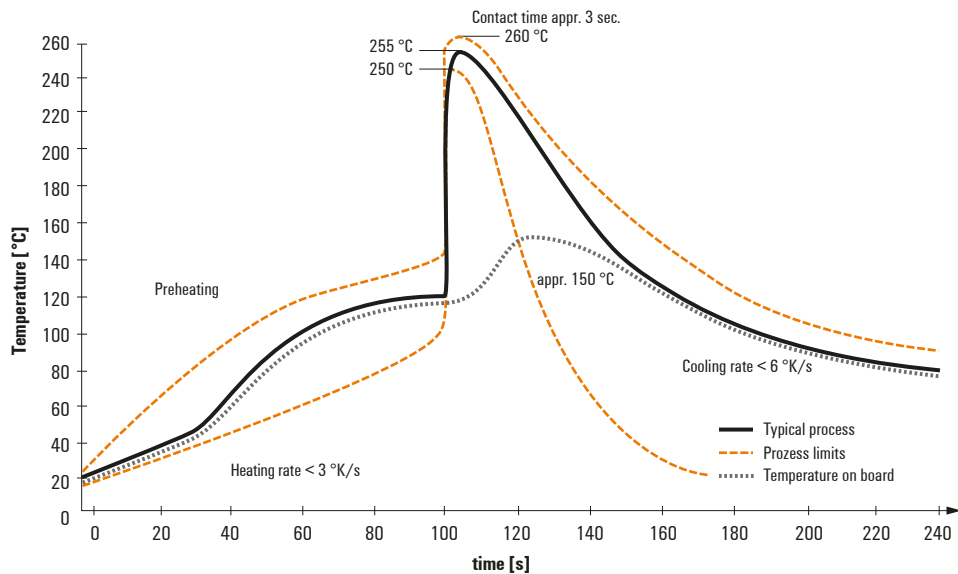
Accessories

		element, Black, No. of		
		poles: 1		
SL AT OR	1598300000	PCB plug-in connector,	4008190189266 100 pc(s).	UL:
		Accessories, Partition		
		element, Orange, No. of		
		poles: 1		
				Box

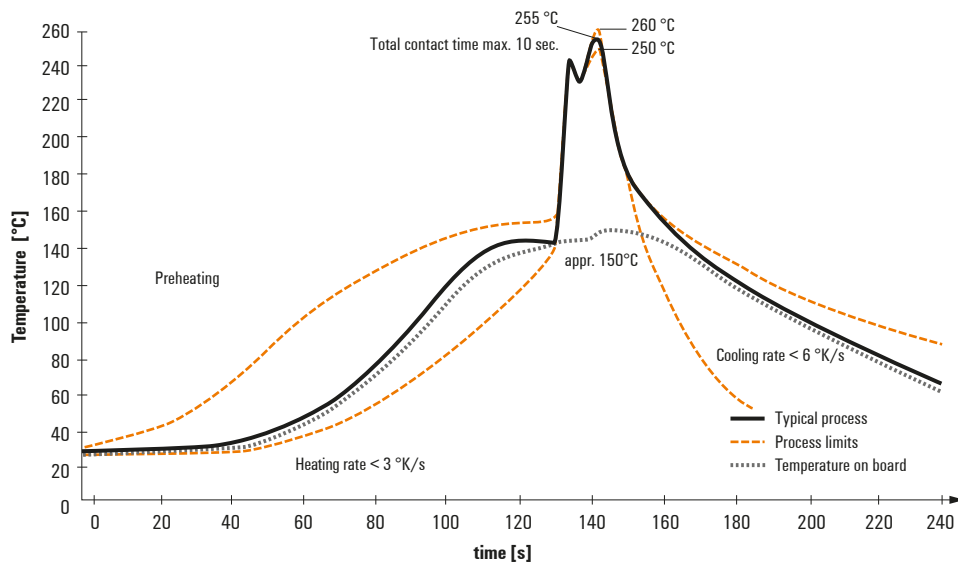
Recommended wave soldering profiles

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.

