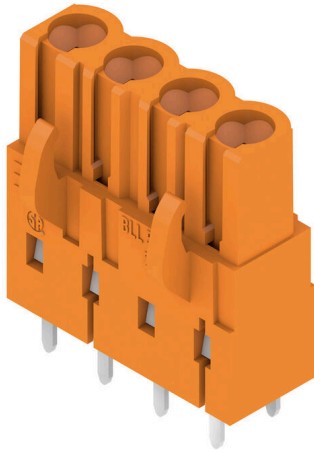


**BLL 5.08/04/180 3.2 SN OR BX CO**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

**Product image**

Similar to illustration

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

**General ordering data**

Version	PCB plug-in connector, female header, closed side, THT solder connection, 5.08 mm, Number of poles: 4, 180°, Solder pin length (l): 3.2 mm, tinned, orange, Box
Order No.	<a href="#">2989810000</a>
Type	BLL 5.08/04/180 3.2 SN OR BX CO
GTIN (EAN)	4099986861800
Qty.	90 items
Product data	IEC: 400 V / 23 A UL: 300 V / 15 A
Packaging	Box

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## Technical data

## Approvals

Approvals



UL File Number Search [UL Website](#)  
Certificate No. (UR) E60693

## Dimensions and weights

Net weight 4.37 g

## Environmental Product Compliance

RoHS Compliance Status Compliant without exemption  
REACH SVHC No SVHC above 0.1 wt%

## System specifications

Product family	OMNIMATE Signal - series BL/SL 5.08	Type of connection	Board connection
Mounting onto the PCB	THT solder connection	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.200 "	Outgoing elbow	180°
Number of poles	4	Number of solder pins per pole	2
Solder pin length (l)	3.2 mm	Solder pin dimensions	0.4 x 1.00 mm
Solder eyelet hole diameter (D)	1.3 mm	Solder eyelet hole diameter tolerance (D)+	0,1 mm
L1 in mm	15.24 mm	L1 in inches	0.600 "
Number of rows	1	Pin series quantity	1
Touch-safe protection acc. to DIN VDE 57 106	Safe from back-of-hand touch	Touch-safe protection acc. to DIN VDE 0470	IP20 plugged
Protection degree	IP20	Volume resistance	≤5 mΩ
Can be coded	Yes	Plugging cycles	25
Plugging force/pole, max.	5 N	Pulling force/pole, max.	5 N

## Material data

Insulating material	PBT GF	Colour	orange
Colour chart (similar)	RAL 2000	Insulating material group	IIIa
Comparative Tracking Index (CTI)	≥ 200	Insulation resistance	108 Ω
Moisture Level (MSL)		UL 94 flammability rating	V-0
Contact material	Copper alloy	Contact surface	tinned
Storage temperature, min.	-40 °C	Storage temperature, max.	70 °C
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. number of poles (Tu=20°C)	23 A
Rated current, max. number of poles (Tu=20°C)	16 A	Rated current, min. number of poles (Tu=40°C)	20 A
Rated current, max. number of poles (Tu=40°C)	14 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

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## Technical data

Rated impulse voltage for surge voltage class/ pollution degree II/2 4 V

Rated impulse voltage for surge voltage class/ contamination degree III/3 4 kV

Rated impulse voltage for surge voltage class/ pollution degree III/2 4 kV

Short-time withstand current resistance 3 x 1s with 120 A

### Rated data acc. to CSA

Rated voltage (Use group B / CSA) 300 V

Rated current (Use group B / CSA) 15 A

Rated voltage (Use group D / CSA) 300 V

Rated current (Use group D / CSA) 10 A

### Rated data acc. to UL 1059

Institute (UR) UR

Rated voltage (Use group B / UL 1059) 300 V

Rated current (Use group B / UL 1059) 15 A

Reference to approval values

Specifications are maximum values, details - see approval certificate.

Certificate No. (UR) E60693

Rated voltage (Use group D / UL 1059) 300 V

Rated current (Use group D / UL 1059) 10 A

### Packing

Packaging Box

VPE width 137.00 mm

VPE length 349.00 mm

VPE height 31.00 mm

### Important note

IPC conformity

Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp. fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.

Notes

- Additional variants 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.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

### Classifications

ETIM 8.0

EC002637

ETIM 9.0

EC002637

ETIM 10.0

EC002637

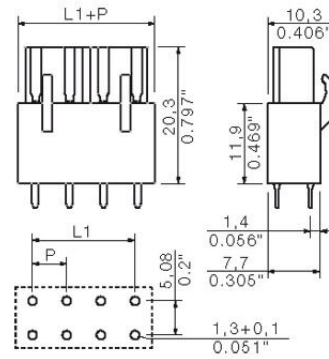
ECLASS 14.0

27-46-02-01

ECLASS 15.0

27-46-02-01

**Dimensional drawing**



**Example of use**

