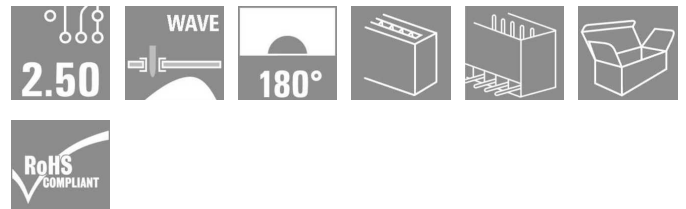


**OMNIMATE Signal - series BL/SL 2.50  
SL 2.50/08/180G 3.2SN BK BX**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 1429-0  
Fax: +49 5231 14292083  
www.weidmueller.com



Male header for wave soldering in 2.50 mm pitch.

- Plugging direction is straight (180°) to the PCB
- Housing variant: Closed (G)
- Packaged in a cardboard box (BX)

**General ordering data**

Type	SL 2.50/08/180G 3.2SN BK BX
Order No.	<a href="#">2439970000</a>
Version	PCB plug-in connector, THT solder connection, No. of poles: 8, 180°, Box
GTIN (EAN)	4050118455144
Qty.	125 pc(s).
Product data	IEC: 320 V / 6 A UL: 150 V / 5 A
Packaging	Box

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**Technical data****Dimensions and weights**

Net weight 2.16 g

**System specifications**

Product family	OMNIMATE Signal - series BL/SL 2.50	Type of connection	Solder connection
Mounting onto the PCB	THT solder connection	Outgoing elbow	180°
No. of poles	8	Number of solder pins per pole	1
Solder pin length (l)	3.2 mm	Solder pin length tolerance	+0.1 / -0.1 mm
Tolerance of solder pin position	± 0.1 mm	Solder pin dimensions	0.8 x 0.8 mm
Solder pin dimensions = d tolerance	+0,02 / -0,02 mm	Solder eyelet hole diameter (D)	1.3 mm
Solder eyelet hole diameter tolerance (D)	+ 0,1 mm	L1 in mm	17.5 mm
L1 in inches	6.888 inch	Number of rows	1
Pin series quantity	1	Touch-safe protection acc. to DIN VDE 57 106	Finger-safe plugged/ back-of-hand-safe unplugged
Touch-safe protection acc. to DIN VDE 0470	IP 00	Plugging cycles	25
Packaging	Box		

**Material data**

Insulating material	PA 66	Colour	Black
Colour chart (similar)	RAL 9011	CTI	≥ 600
UL 94 flammability rating	V-0	Contact material	Cu-Leg
Contact surface	tinned	Tinning type	matt
Layer structure of solder connection	1-3 µm Ni / 4-6 µm Sn matt	Operating temperature, min.	-40 °C
Operating temperature, max.	105 °C		

**Rated data acc. to IEC**

tested acc. to standard	IEC 61984	Rated current, min. no. of poles (Ta = 20°C)	6 A
Rated current, min. no. of poles (Ta = 40°C)	6 A	Rated voltage for surge voltage class / pollution degree II/2	320 V
Rated voltage for surge voltage class / pollution degree III/2	320 V	Rated voltage for surge voltage class / pollution degree III/3	80 V
Rated impulse voltage for surge voltage class/ pollution degree II/2	2.5 kV	Rated impulse voltage for surge voltage class/ pollution degree III/2	2.5 kV
Rated impulse voltage for surge voltage class/ contamination degree III/3	2.5 kV		

**Rated data acc. to CSA**

Rated voltage (Use group B) 150 V      Rated current (use group B) 5 A

**Rated data acc. to UL 1059**

Institute (cURus)



Certificate No. (cURus)

E60693

Rated voltage (use group B) 150 V      Rated current (use group B) 5 A

Reference to approval values  
Specifications are maximum values, details - see approval certificate.

Creation date October 13, 2016 11:59:49 AM CEST

Catalogue status 12.10.2016 / We reserve the right to make technical changes.

**Data sheet**

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**Technical data**

**Classifications**

ETIM 6.0	EC002637	eClass 6.2	27-26-07-04
eClass 9.1	27-44-04-02		

**Notes**

Notes	<ul style="list-style-type: none"> <li>• Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>• P on drawing = pitch</li> <li>• 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.</li> </ul>
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



**Downloads**

Safety notice [Safety indication](#)

**Data sheet**

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**Drawings**

