

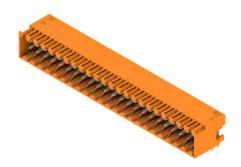


Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com

## **Product image**















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Angled, two-tier pin header available as closed-sided or with flange (open-sided pin headers on request). Pin headers with 3.5mm pins are designed for wave soldering and are packaged in a box. They can be screwed on to the PCB. The pin headers provide space for labelling and can be coded.

#### **General ordering data**

Version	PCB plug-in connector, male header, closed side, THT solder connection, 3.50 mm, Number of poles: 46, 90°, Solder pin length (I): 3.5 mm, tinned, orange, Box
Order No.	<u>2559850000</u>
Туре	S2L 3.50/46/90G 3.5SN OR BX
GTIN (EAN)	4050118668742
Qty.	18 items
Product data	IEC: 250 V / 10 A UL: 150 V / 10 A
Packaging	Вох



# **S2L 3.50/46/90G 3.5SN OR BX**



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# **Technical data**

Approvals
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ROHS	Conform		
Dimensions and weights	<b>S</b>		
Depth	14.2 mm	Depth (inches)	0.5591 inch
Height	14 mm	Height (inches)	0.5512 inch
Height of lowest version	10.5 mm	Width	81.9 mm
Width (inches)	3 2244 inch	Net weight	11.97 a

#### **Environmental Product Compliance**

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

## **System specifications**

Product family	OMNIMATE Signal - series B2L/S2L 3.50 - 2-row	Type of connection	Board connection
Mounting onto the PCB	THT solder connection	Pitch in mm (P)	3.50 mm
Pitch in inches (P)	0.138 "	Outgoing elbow	90°
Number of poles	46	Number of solder pins per pole	1
Solder pin length (I)	3.5 mm	Solder pin dimensions	d = 1.0 mm, Octagonal
Solder eyelet hole diameter (D)	1.3 mm	Solder eyelet hole diameter tolerance (D)+ 0,1 mm	
L1 in mm	77.00 mm	L1 in inches	3.034 "
Number of rows	1	Pin series quantity	2
Touch-safe protection acc. to DIN VDE 57 106	finger-safe unplugged/ back-of-hand-safe plugged	Touch-safe protection acc. to DIN VDE 0470	IP20 plugged/ IP10 unplugged
Can be coded	Yes	Plugging force/pole, max.	5 N
Pulling force/pole, max.	4 N		

## **Material data**

Insulating material	PBT	Colour	orange
Colour chart (similar)	RAL 2000	Insulating material group	Illa
Comparative Tracking Index (CTI)	≥ 200	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	tinned	Layer structure of solder connection	23 μm Ni / 57 μm Sn glossy
Storage temperature, min.	-40 °C	Storage temperature, max.	70 °C
Operating temperature, min.	-50 °C	Operating temperature, max.	100 °C
Temperature range, installation, min.	-30 °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)	10 A
Rated current, max. number of poles (Tu=20°C)	10 A	Rated current, min. number of poles (Tu=40°C)	9 A
Rated current, max. number of poles (Tu=40°C)	8.5 A	Rated voltage for surge voltage class / pollution degree II/2	250 V
Rated voltage for surge voltage class / pollution degree III/2	125 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	Short-time withstand current resistance	3 x 1s with 77 A

Creation date 01.12.2025 08:25:16 MEZ

Catalogue status / Drawings 2



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# **Technical data**

Rated data acc. to CSA			
D. J. J. (1) D. (201)	450.77	B	- ^
Rated voltage (Use group B / CSA)	150 V	Rated current (Use group B / CSA)	5 A
Rated data acc. to UL 1059			
Rated voltage (Use group B / UL 1059)	150 V	Rated current (Use group B / UL 1059)	10 A
Packing			
Packaging	Вох	VPE length	338.00 mm
VPE width	130.00 mm	VPE height	27.00 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	<ul> <li>Diameter of solder eyelet I</li> <li>P on drawing = pitch</li> <li>Rated data refer only to the components are to be des</li> <li>In accordance with IEC 61 capacity (COC). During dedisengaged when live or under the pitch of the pi</li></ul>	es on request te hole layout ted cross-section & min. No. of poles. D = 1.3+0.1 mm the component itself. Clearance and creepage tigned in accordance with the relevant app 984, OMNIMATE-connectors are connect signated use, connectors are not allowed to	lication standards. ors without breaking to be engaged or

## Classifications

ETIM 6.0	EC002637	ETIM 7.0	EC002637
ETIM 8.0	EC002637	ETIM 9.0	EC002637
ETIM 10.0	EC002637	ECLASS 9.0	27-44-04-02
ECLASS 9.1	27-44-04-02	ECLASS 10.0	27-44-04-02
ECLASS 11.0	27-46-02-01	ECLASS 12.0	27-46-02-01
ECLASS 13.0	27-46-02-01	ECLASS 14.0	27-46-02-01
ECLASS 15.0	27-46-02-01		

70%, 36 months

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Catalogue status / Drawings 3

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# **Drawings**

## **Product image**



## **Dimensional drawing**

