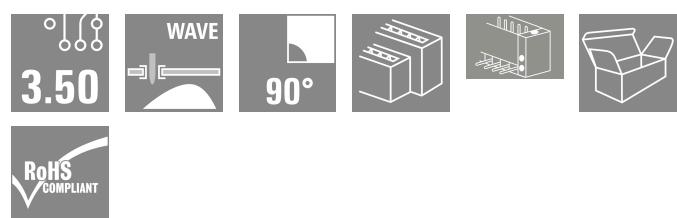


**SLD 3.50V/30/90F 3.2SN BK BX**

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

[www.weidmueller.com](http://www.weidmueller.com)

**Product image**

Two-tier pin header for wave soldering in 3.50 mm pitch. The connector is available in open, closed and flange versions. The male connectors provide space for labelling and can be coded. Packed in a cardboard box.

**General ordering data**

Version	PCB plug-in connector, male header, Flange, THT solder connection, 3.50 mm, Number of poles: 30, 90°, Solder pin length (l): 3.2 mm, tinned, black, Box
Order No.	<a href="#">2457740000</a>
Type	SLD 3.50V/30/90F 3.2SN BK BX
GTIN (EAN)	4050118472790
Qty.	10 items
Product data	IEC: 200 V / 10.5 A UL: 300 V / 8 A
Packaging	Box

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## Technical data

## Approvals

RoHS	Conform
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## Dimensions and weights

Depth	24.7 mm	Depth (inches)	0.9724 inch
Height	26.5 mm	Height (inches)	1.0433 inch
Height of lowest version	23.3 mm	Width	59.5 mm
Width (inches)	2.3425 inch	Net weight	18.07 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 3.50										
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	30										
Number of solder pins per pole	1										
Solder pin length (l)	3.2 mm										
Solder pin length tolerance	0 / -0.3 mm										
Solder pin dimensions	d = 1.2 mm, Octagonal										
Solder pin dimensions = d tolerance	0 / -0.03 mm										
Solder eyelet hole diameter (D)	1.4 mm										
Solder eyelet hole diameter tolerance (D)+ 0.1 mm											
L1 in mm	49.00 mm										
L1 in inches	1.929 "										
Number of rows	2										
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	IP20 plugged/ IP10 unplugged										
Volume resistance	≤5 mΩ										
Can be coded	Yes										
Plugging force/pole, max.	10 N										
Pulling force/pole, max.	8 N										
Tightening torque	<table> <tr> <td>Torque type</td> <td>Mounting screw, PCB</td> </tr> <tr> <td>Usage information</td> <td> <table> <tr> <td>Tightening torque</td> <td>min. 0.1 Nm</td> </tr> <tr> <td></td> <td>max. 0.15 Nm</td> </tr> <tr> <td>Recommended screw</td> <td>Part number <b>PTSC KA 2.2X4.5 WN1412</b></td> </tr> </table> </td> </tr> </table>	Torque type	Mounting screw, PCB	Usage information	<table> <tr> <td>Tightening torque</td> <td>min. 0.1 Nm</td> </tr> <tr> <td></td> <td>max. 0.15 Nm</td> </tr> <tr> <td>Recommended screw</td> <td>Part number <b>PTSC KA 2.2X4.5 WN1412</b></td> </tr> </table>	Tightening torque	min. 0.1 Nm		max. 0.15 Nm	Recommended screw	Part number <b>PTSC KA 2.2X4.5 WN1412</b>
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	max. 0.15 Nm										
Recommended screw	Part number <b>PTSC KA 2.2X4.5 WN1412</b>										

## Material data

Insulating material	PBT	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	IIIa
Comparative Tracking Index (CTI)	≥ 200	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-alloy

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Contact surface	tinned	Layer structure of solder connection	2...3 µm Ni / 5...7 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)	10.5 A
Rated current, max. number of poles (Tu=20°C)	8 A	Rated current, min. number of poles (Tu=40°C)	9 A
Rated current, max. number of poles (Tu=40°C)	7 A	Rated voltage for surge voltage class / pollution degree II/2	200 V
Rated voltage for surge voltage class / pollution degree III/2	160 V	Rated voltage for surge voltage class / pollution degree III/3	125 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		Short-time withstand current resistance	3 x 1s with 80 A

## Rated data acc. to CSA

Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group D / CSA)	300 V
Rated current (Use group B / CSA)	8 A	Rated current (Use group D / CSA)	8 A

## Rated data acc. to UL 1059

Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group D / UL 1059)	300 V
Rated current (Use group B / UL 1059)	8 A	Rated current (Use group D / UL 1059)	8 A

## Packing

Packaging	Box	VPE length	155.00 mm
VPE width	64.00 mm	VPE height	38.00 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 style="list-style-type: none"> <li>Additional variants on request</li> <li>Gold-plated contact surfaces on request</li> <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> <li>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</li> <li>Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months</li> </ul>

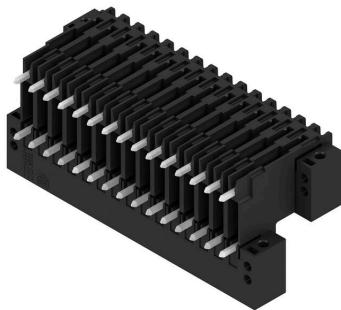
## Classifications

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		

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**Drawings****Product image****Dimensional drawing**