



#### Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

www.weidmueller.com















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Male connectors with 90° 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**

Version	PCB plug-in connector, male header, Dovetails for fixing blocks, THT solder connection, 7.62 mm, Number of poles: 2, 90°, Solder pin length (I): 3.2 mm, tinned, orange, Box	
Order No.	<u>1624370000</u>	
Туре	SL 7.62/02/90B 3.2SN OR BX	
GTIN (EAN)	4008190195427	
Qty.	100 items	
Product data	IEC: 800 V / 18.5 A UL: 300 V / 15 A	
Packaging	Вох	

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# **Technical data**

# **Approvals**

Approvals



ROHS	Conform	
UL File Number Search	<u>UL Website</u>	
Certificate No. (UR)	E60693	
Certificate No. (cURus)	E60693	

# **Dimensions and weights**

Net weight 1.11 g

#### **Environmental Product Compliance**

RoHS Compliance Status	Compliant without exemption	
REACH SVHC	No SVHC above 0.1 wt%	
Product Carbon Footprint	Cradle to gate 0,010 kg CO2 eq.	

#### **System specifications**

Product family	OMNIMATE Signal - series BL/SL 7.62	Type of connection	Board connection
Mounting onto the PCB	THT solder connection	Pitch in mm (P)	7.62 mm
Pitch in inches (P)	0.300 "	Outgoing elbow	90°
Number of poles	2	Number of solder pins per pole	1
Solder pin length (I)	3.2 mm	Solder eyelet hole diameter (D)	1.3 mm
Solder eyelet hole diameter tole	rance (D)+ 0,1 mm	L1 in mm	7.62 mm
L1 in inches	0.300 "	Number of rows	1
Pin series quantity	1	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch, plugged
Volume resistance	4.50 mΩ	Can be coded	Yes
Pulling force/pole, max.	2 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	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)	18.5 A
Rated current, max. number of poles (Tu=20°C)	17 A	Rated current, min. number of poles (Tu=40°C)	16 A
Rated current, max. number of poles (Tu=40°C)	14.5 A	Rated voltage for surge voltage class / pollution degree II/2	800 V
Rated voltage for surge voltage class / pollution degree III/2	630 V	Rated voltage for surge voltage class / pollution degree III/3	500 V

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# **Technical data**

Rated impulse voltage for surge voltage 6 kV class/ pollution degree II/2	Rated impulse voltage for surge voltage 6 kV class/ pollution degree III/2
Rated impulse voltage for surge voltage 6 kV class/ contamination degree III/3	Short-time withstand current resistance 3 x 1s with 120 A

### Rated data acc. to CSA

Institute (CSA)	CSA	Certificate No. (CSA)	200039-1121690
Rated voltage (Use group B / CSA)	300 V	Rated voltage (Use group D / CSA)	300 V
Rated current (Use group B / CSA)	15 A	Rated current (Use group D / CSA)	10 A
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

#### Rated data acc. to UL 1059

Institute (UR)	UR	Certificate No. (UR)	E60693
Institute (cURus)	CURUS	Certificate No. (cURus)	E60693
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)	15 A	Rated current (Use group D / UL 1059)	10 A
Reference to approval values	Specifications are maximum values, details - see approval certificate.		

#### **Packing**

Packaging	Box	VPE length	166.00 mm
VPE width	71.00 mm	VPE height	43.00 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>Additional variants on request</li> <li>Gold-plated contact surfaces on request</li> </ul>

- Rated current related to rated cross-section & min. No. of poles.
- Rated voltage for 7.62 mm pitch: II/2 = 1000 V / 6 kV
- 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 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		

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# **Drawings**

