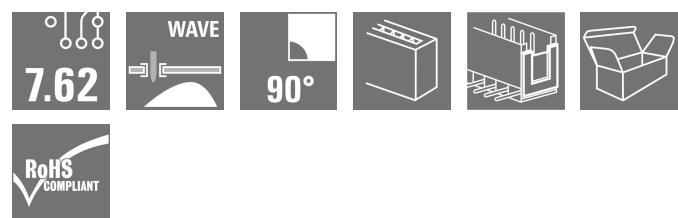


SL 7.62/03/90B 3.2SN OR BX

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

www.weidmueller.com



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: 3, 90°, Solder pin length (l): 3.2 mm, tinned, orange, Box
Order No.	1624380000
Type	SL 7.62/03/90B 3.2SN OR BX
GTIN (EAN)	4008190195434
Qty.	100 items
Product data	IEC: 800 V / 18.5 A UL: 300 V / 15 A
Packaging	Box

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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	UL Website
Certificate No. (UR)	E60693
Certificate No. (cURus)	E60693

Dimensions and weights

Net weight	1.31 g
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Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%
Product Carbon Footprint	Cradle to gate 0,014 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	3	Number of solder pins per pole	1
Solder pin length (l)	3.2 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 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	IIIa
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/ contamination degree III/3

Rated impulse voltage for surge voltage 6 kV
class/ pollution degree III/2

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

Rated data acc. to CSA

Institute (CSA)	CSA
Rated voltage (Use group B / CSA)	300 V
Rated current (Use group B / CSA)	15 A
Reference to approval values	Specifications are maximum values, details - see approval certificate.

Certificate No. (CSA)	200039-1121690
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
Institute (cURus)	CURUS
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
Certificate No. (cURus)	E60693
Rated voltage (Use group D / UL 1059)	300 V
Rated current (Use group D / UL 1059)	10 A

Packing

Packaging	Box
VPE width	71.00 mm

VPE length	225.00 mm
VPE height	59.00 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.
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Notes	<ul style="list-style-type: none"> Additional variants on request Gold-plated contact surfaces on request 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
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Classifications

ETIM 8.0	EC002637
ETIM 10.0	EC002637
ECLASS 15.0	27-46-02-01

ETIM 9.0	EC002637
ECLASS 14.0	27-46-02-01

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Drawings