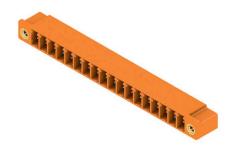




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Product image















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The SC pin header has a parallel (recumbent) plugging direction in relation to the PCB. It is available in closed (G) and screw flange (F) versions.

Weidmüller's 3.81-mm-pitch (0.15 inch) plug-in connectors are compatible with the layouts of standard connectors. They support a flood-light display and offer space for labelling and coding.

General ordering data

PCB plug-in connector, male header, Flange, THT solder connection, 3.81 mm, Number of poles: 18, 90°, Solder pin length (I): 3.2 mm, tinned, orange, Box
<u>1942610000</u>
SC 3.81/18/90F 3.2SN OR BX
4032248654987
18 items
IEC: 320 V / 17.5 A UL: 300 V / 11 A
UL. 300 V / TTA
Вох

SC 3.81/18/90F 3.2SN OR BX



Weidmüller Interface GmbH & Co. KG

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Technical data

Approvals

Approvals



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

Dimensions and weights

Depth	9.2 mm	Depth (inches)	0.3622 inch
Height	10.3 mm	Height (inches)	0.4055 inch
Height of lowest version	7.1 mm	Width	79.18 mm
Width (inches)	3.1173 inch	Net weight	5.5 g

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c
REACH SVHC	Lead 7439-92-1
SCIP	308576ca-4abc-409a-b0d0-6626109a7446

System specifications

Product family	OMNIMATE Signal - series BC/SC 3.81	Type of connection	Board connection
Mounting onto the PCB	THT solder connection	Pitch in mm (P)	3.81 mm
Pitch in inches (P)	0.150 "	Outgoing elbow	90°
Number of poles	18	Number of solder pins per pole	1
Solder pin length (I)	3.2 mm	Solder pin length tolerance	0 / -0.2 mm
Solder pin dimensions	d = 1.0 mm, Octagonal	Solder pin dimensions = d tolerance	0 / -0,03 mm
Solder eyelet hole diameter (D)	1.2 mm	Solder eyelet hole diameter tolerance (D)+ 0,1 mm	
L1 in mm	64.77 mm	L1 in inches	2.550 "
Number of rows	1	Pin series quantity	1
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
Volume resistance	≤5 mΩ	Can be coded	Yes
Plugging force/pole, max.	7 N	Pulling force/pole, max.	5 N

Material data

Insulating material	PA GF	Colour	orange
Colour chart (similar)	RAL 2000	Insulating material group	II
Comparative Tracking Index (CTI)	≥ 550	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.	120 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	120 °C		

Creation date 30.11.2025 08:00:23 MEZ

Catalogue status / Drawings 2





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Technical data

Rated data acc. to IEC			
tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	17.5 A
Rated current, max. number of poles (Tu=20°C)	17.5 A	Rated current, min. number of poles (Tu=40°C)	17.5 A
Rated current, max. number of poles (Tu=40°C)	16.3 A	Rated voltage for surge voltage class / pollution degree II/2	320 V
Rated voltage for surge voltage class / pollution degree III/2	160 V	Rated voltage for surge voltage class / pollution degree III/3	160 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 76 A

Rated data acc. to CSA

Institute (CSA)	CSA	Certificate No. (CSA)	200039-1121690
Rated voltage (Use group B / CSA)	300 V	Rated current (Use group B / CSA)	11 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 (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)	11 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	40.00 mm
VPE width	90.00 mm	VPE height	155.00 mm

VI E WIGHT	00.00 111111	VI E neight	100.00 111111
Important note	,		
IPC conformity	recognized standar	perties in accordance with IPC-A-610	and delivered according international sured properties in the data sheet resp. O "Class 2". Further claims on the products
Notes	 Rated data refer of components are P on drawing = p For additional mean additional call ISO 7049-ST 2.2 In accordance with capacity (COC). It disengaged when 	ated to rated cross-section & min. No. only to the component itself. Clearance to be designed in accordance with the itch itch itself. Support for male connectors le gland with fastening screws (sheet x4.5 C – see Accessories). Cable gland the IEC 61984, OMNIMATE-connector luring designated use, connectors are a live or under load e of the product with average temper	te and creepage distances to other to relevant application standards. It is with screw flange (F), we recommend to metal screw ISO 1481-ST 2.2x4.5 C or and only permitted before soldering. The same connectors without breaking

Classifications

ETIM 6.0	EC002637	ETIM 7.0	EC002637
ETIM 8.0	EC002637	ETIM 9.0	EC002637

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Catalogue status / Drawings







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Technical data

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

Product image



Dimensional drawing

