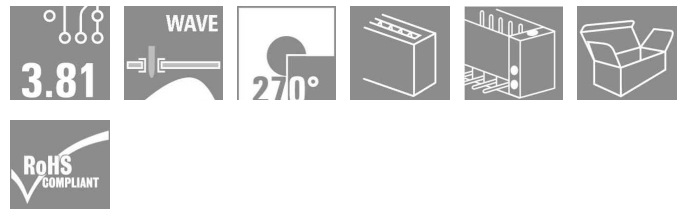
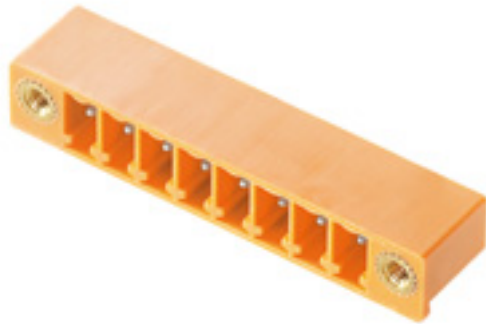


OMNIMATE Signal - series BC/SC 3.81 SC 3.81/12/270F 3.2SN OR BX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



The SC pin header in 270°-outlet direction: the 270° angle exists between the plugging direction and the solder pin. The plugging direction is then parallel to the PCB. Sockets blocks, however, have an overhead plugging angle.

- More freedom when designing components and devices.
- A high component density when multiple PCBs are arranged in parallel within one housing
- The housing design is application-friendly because of the additional optional wire outlet direction.
- 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 and offer space for labelling and coding.

- 320 V (IEC) / 300 V (UL)
- 17.5 A (IEC) / 10 A (UL)

General ordering data

Type	SC 3.81/12/270F 3.2SN OR BX
Order No.	1038160000
Version	PCB plug-in connector, male header, Flange, Solder connection, 3.81 mm, No. of poles: 12, 270°, Solder pin length (l): 3.2 mm, tinned, Orange, Box
GTIN (EAN)	4032248766673
Qty.	50 pc(s).
Product data	IEC: 320 V / 17.5 A UL: 300 V / 10 A
Packaging	Box

Erstellungs-Datum December 13, 2013 11:47:11 AM CET

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Technische Daten

Dimensions and weights

Net weight 3.76 g

System parameters

Product family		Mounting onto the PCB	
Product family	OMNIMATE Signal - series BC/SC 3.81		Solder connection
Outgoing elbow	270°	Pitch in mm (P)	3.81 mm
Pitch in inches (P)	0.15 inch	No. of poles	12
Solder pin length (l)	3.2 mm	Pin dimensions	d = 1.0 mm, Octagonal
Can be coded	Yes	Number of solder pins per pole	1
Solder eyelet hole diameter (D)	1.2 mm	Solder eyelet hole diameter tolerance (D)+	0,1 mm
L1 in mm	41.91 mm	L1 in inches	1.65 inch
Insulation resistance	10 ⁶ Ω	Touch-safe protection acc. to DIN VDE 0470	IP 20
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch		

Material data

Insulating material		Colour	
Insulating material	PA GF	Colour	Orange
Insulating material group	II	UL 94 flammability rating	V-0
CTI	≥ 550	Contact material	Cu-Leg
Contact surface	tinned	Max. relative humidity during storage	93 %

DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)		Rated current, max. no. of poles (Tu=20°C)	
Rated current, min. no. of poles (Tu=20°C)	17.5 A	Rated current, max. no. of poles (Tu=20°C)	17 A
Rated current, number of poles (Tu=40°C), min	17.5 A	Rated current, number of poles (Tu=40°C), max.	15.1 A
Rated voltage for surge voltage class pollution degree III/3	160 V	Rated impulse voltage for surge voltage classcontamination degree III/3	2.5 kV
Rated voltage for surge voltage class pollution degree III/2	160 V	Rated impulse voltage for surge voltage classpollution degree III/2	2.5 kV
Rated voltage for surge voltage class pollution degree II/2	320 V	Rated impulse voltage for surge voltage classpollution degree II/2	2.5 kV
Short-time withstand current resistance	3 x 1s with 76 A		

CSA rating data

Rated voltage (Use group B)		Rated current (use group B)	
Rated voltage (Use group B)	300 V	Rated current (use group B)	10 A
Rated voltage (use group D)	300 V	Rated current (use group D)	10 A

UL 1059 rating data

Rated voltage (use group B)		Rated current (use group B)	
Rated voltage (use group B)	300 V	Rated current (use group B)	10 A
Rated voltage (use group D)	300 V	Rated current (use group D)	10 A

Classifications

eClass 6.2		eClass 7.1	
eClass 6.2	27-26-07-04	eClass 7.1	27-44-04-02

Datenblatt**OMNIMATE Signal - series BC/SC 3.81
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Technische Daten**Notes**

Notes

- Additional colours on request
- Rated current related to rated cross-section & min. No. of poles.
- 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.
- P on drawing = pitch

Approvals

Approvals



ROHS

Conform

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Zeichnungen