OMNIMATE Signal - series BL/SL 5.08
SL 5.08HC/20/180B 3.2SN OR BX

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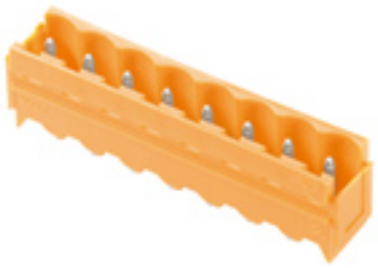

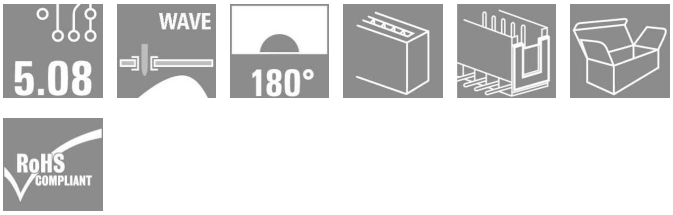

Male headers made from glass-fibre-reinforced plastic with straight wire outlet; optimised for wave soldering. The flange variant (F) can be screwed onto the mating connector or the circuit board. There is no need for an extra screw connecting the circuit board when the solder flange version is used. This also protects the solder points from mechanical strain. All male headers can be manually coded or ordered as pre-coded headers.

General ordering data

Type	SL 5.08HC/20/180B 3.2SN OR BX
Order No.	1147900000
Version	PCB plug-in connector, male header, Dovetails for fixing blocks, Solder connection, 5.08 mm, No. of poles: 20, 180°, Solder pin length (l): 3.2 mm, tinned, Orange, Box
GTIN (EAN)	4032248935185
Qty.	20 pc(s).
Product data	IEC: 400 V / 24 A UL: 300 V / 16 A
Packaging	Box

Erstellungs-Datum December 17, 2013 11:15:37 AM CET

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Technische Daten

Dimensions and weights

Net weight	5.234 g

System parameters

Product family	OMNIMATE Signal - series BL/SL 5.08	Mounting onto the PCB	Solder connection
Outgoing elbow	180°	Pitch in mm (P)	5.08 mm
Pitch in inches (P)	0.2 inch	No. of poles	20
Solder pin length (l)	3.2 mm	Pin dimensions	d = 1.2 mm, Octagonal
Can be coded	Yes	Number of solder pins per pole	1
Solder eyelet hole diameter (D)	1.3 mm	Solder eyelet hole diameter tolerance (D)	+ 0,1 mm
L1 in mm	96.52 mm	L1 in inches	3.8 inch

Material data

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		

DIN IEC rating data

Rated current, min. no. of poles (TU=20°C)	24 A	Rated current, max. no. of poles (Tu=20°C)	19 A
Rated current, number of poles (Tu=40°C), min	21 A	Rated current, number of poles (Tu=40°C), max.	16.5 A
Rated voltage for surge voltage class pollution degree III/3	250 V	Rated impulse voltage for surge voltage classcontamination degree III/3	4 kV
Rated voltage for surge voltage class pollution degree III/2	320 V	Rated impulse voltage for surge voltage classpollution degree III/2	4 kV
Rated voltage for surge voltage class pollution degree II/2	400 V	Rated impulse voltage for surge voltage classpollution degree II/2	4 kV

CSA rating data

Rated voltage (Use group B)	300 V	Rated current (use group B)	15 A
Rated voltage (use group D)	300 V	Rated current (use group D)	10 A

UL 1059 rating data

Rated voltage (use group B)	300 V	Rated current (use group B)	16 A
Rated voltage (use group D)	300 V	Rated current (use group D)	10 A

Classifications

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

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Notes

Notes	• Additional colours on request • Gold-plated contact surfaces on request • Rated current related to rated cross-section & min. No. of poles. • 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.

Approvals

Approvals	
ROHS	Conform

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Zeichnungen

