OMNIMATE Signal - series B2L/S2L 3.50 - 2-row
S2LD-THR 3.50/32/90G 3.2SN BK BX

Weidmüller Interface GmbH & Co. KG
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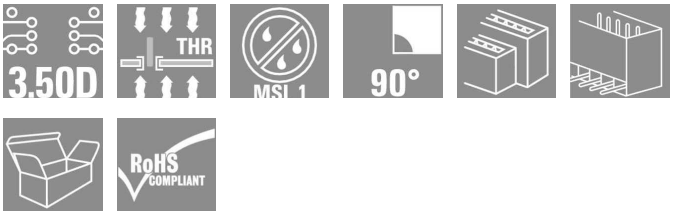

The new benchmark for component density: the virtual 0.875mm pitch - for 1mm² I/O connections
The only 4-row double level male connectors for standard IP20 sensor interfaces with 3.5 pitch
The S2L in a double pack - a standard has surpassed itself:

- Each 3.5mm wide, 4 I/O contacts for 1mm² connection cross-section
- Force-fit enclosure geometry guarantees maximum stability
- Solder flange eliminates the need for a screw fastening

Less is more - basic advantages for your applications:

- 75% space savings on the circuit board
- Solder flange reduces process costs
- Less mechanical load on the soldering points
- More space for displays in the front panel, for example

A "small" contribution to greater competitiveness: additional features in the same installation space or a more compact device with the same range of functions.

General ordering data

Type	S2LD-THR 3.50/32/90G 3.2SN BK BX
Order No.	1065360000
Version	PCB plug-in connector, male header, open side, Reflow solder connection, 3.50 mm, No. of poles: 32, 90°, Solder pin length (l): 3.2 mm, tinned, Black, Box
GTIN (EAN)	4032248818426
Qty.	20 pc(s).
Product data	IEC: 200 V / 7.9 A UL: 150 V / 7 A
Packaging	Box

Erstellungs-Datum December 17, 2013 9:35:22 AM CET

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Technische Daten

Dimensions and weights

Net weight	16.35 g

System parameters

Product family	OMNIMATE Signal - series B2L/S2L 3.50 - 2-row	Mounting onto the PCB	Reflow solder connection
Outgoing elbow	90°	Pitch in mm (P)	3.5 mm
Pitch in inches (P)	0.138 inch	No. of poles	32
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)	1.3 mm	Solder eyelet hole diameter tolerance (D)	+ 0,1 mm
L1 in mm	24.5 mm	L1 in inches	0.965 inch
Insulation resistance	10^3 Ω	Touch-safe protection acc. to DIN VDE 0470	IP20 plugged/ IP10 unplugged
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch, plugged		

Material data

Insulating material	LCP GF	Colour	Black
Insulating material group	IIIb	UL 94 flammability rating	V-0
CTI	≥ 175	Contact material	Cu-Leg
Contact surface	tinned	Max. relative humidity during storage	80 %

DIN IEC rating data

Rated current, min. no. of poles (TU=20°C)	7.9 A	Rated current, max. no. of poles (Tu=20°C)	5 A
Rated current, number of poles (Tu=40°C), min	6.8 A	Rated current, number of poles (Tu=40°C), max.	5 A
Rated voltage for surge voltage class pollution degree III/3	100 V	Rated impulse voltage for surge voltage classcontamination degree III/3	1.5 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	200 V	Rated impulse voltage for surge voltage classpollution degree II/2	2.5 kV

CSA rating data

Rated voltage (Use group B)	50 V	Rated current (use group B)	5 A

UL 1059 rating data

Rated voltage (use group B)	150 V	Rated current (use group B)	7 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 • Spacing between rows: see hole layout • 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

