

Series B2C/S2C 3.50 - 2-row
S2CD-THR 3.50/12/90LF 3.2SN BK BX

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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

Order No.	1357900000
Type	S2CD-THR 3.50/12/90LF 3.2SN BK BX
Version	PCB plug-in connector, closed side / solder flange, Reflow solder connection, 3.50 mm, No. of poles: 12, 90°, Solder pin length (l): 3.2 mm, Black
GTIN (EAN)	4050118160697
Qty.	50 pc(s).
Product data	IEC: 200 V / 7.9 A UL: 150 V / 7 A

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Technical data
Dimensions

Net weight 0 g

System parameters

Product family		Series B2C/S2C 3.50 - 2-row		Mounting onto the PCB		Reflow solder connection	
Outgoing elbow	90°	Pitch in mm (P)	3.5 mm	No. of poles	12	Can be coded	Yes
Pitch in inches (P)	0.138 inch	Solder eyelet hole diameter (D)	1.3 mm	L1 in mm	7 mm	Touch-safe protection acc. to DIN VDE 0470	IP 20
Solder pin length (l)	3.2 mm	L1 in inches	0.276 inch	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch		
Number of solder pins per pole	1						
Solder eyelet hole diameter tolerance (D)+	0,1 mm						

Material data

Insulating material	LCP GF	Colour	Black
Insulating material group	IIIb	CTI	≥ 175
Continuous operating temp., min.	-25 °C	Continuous operating temp., max.	120 °C

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 class/ contamination degree III/3	1.5 kV
Rated voltage for surge voltage class / pollution degree III/2	160 V	Rated impulse voltage for surge voltage class/ pollution degree III/2	2.5 kV
Rated voltage for surge voltage class / pollution degree II/2	200 V	Rated impulse voltage for surge voltage class/ pollution degree II/2	2.5 kV

CSA rating data

Rated voltage (Use group B)	50 V	Rated current (use group B)	5 A
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UL 1059 rating data

Rated voltage (use group B)	150 V	Rated current (use group B)	7 A
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Classifications

eClass 6.0 27-26-07-04

Notes

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Drawings

