

**Series B2C/S2C 3.50 - 2-row**  
**S2CD-THR 3.50/20/90G 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 1mm<sup>2</sup> 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 1mm<sup>2</sup> 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.	<a href="#">1357830000</a>
Type	S2CD-THR 3.50/20/90G 3.2SN BK BX
Version	PCB plug-in connector, closed side, Reflow solder connection, 3.50 mm, No. of poles: 20, 90°, Solder pin length (l): 3.2 mm, Black
GTIN (EAN)	4050118160482
Qty.	20 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	20	Can be coded	Yes
Pitch in inches (P)	0.138 inch	Solder eyelet hole diameter (D)	1.3 mm	L1 in mm	14 mm	Touch-safe protection acc. to DIN VDE 0470	IP 20
Solder pin length (l)	3.2 mm	L1 in inches	0.551 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**

