



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**Series B2C/S2C 3.50 - 2-row**  
**S2CD-THR 3.50/16/90LF 3.2SN BK 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 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="#">1357920000</a>   |
| Type         | S2CD-THR 3.50/16/90LF 3.2SN BK BX  |
| Version      | PCB plug-in connector, closed side / solder flange, Reflow solder connection, 3.50 mm, No. of poles: 16, 90°, Solder pin length (l): 3.2 mm, Black |
| GTIN (EAN)   | 4050118160734  |
| Qty.         | 20 pc(s).  |
| Product data | IEC: 200 V / 7.9 A<br>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                      |         |
|--|------------------------|-----------------------------|--|---------|
| Outgoing elbow                               | 90°                    |                             | Pitch in mm (P)                            | 3.5 mm  |
| Pitch in inches (P)                          | 0.138 inch             |                             | No. of poles                               | 16      |
| Solder pin length (l)                        | 3.2 mm                 |                             | 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                                   | 10.5 mm |
| L1 in inches                                 | 0.413 inch             |                             | 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              | 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 |
|-----------------------------|------|-----------------------------|-----|

**UL 1059 rating data**

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

**Classifications**

eClass 6.0 27-26-07-04

**Notes**

Notes



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**Drawings**

