

**Series B2C/S2C 3.50 - 2-row**  
**S2CD-THR 3.50/24/90LF 3.2SN BK BX**
**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

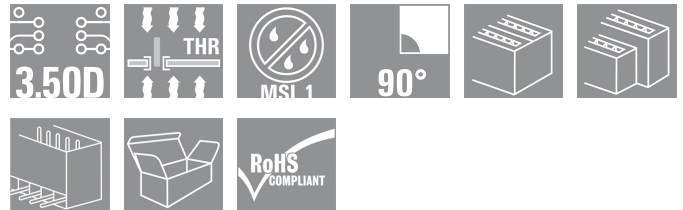
D-32758 Detmold

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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="#">1357940000</a>                                                                                                                         |
| Type         | S2CD-THR 3.50/24/90LF 3.2SN BK BX                                                                                                                  |
| Version      | PCB plug-in connector, closed side / solder flange, Reflow solder connection, 3.50 mm, No. of poles: 24, 90°, Solder pin length (l): 3.2 mm, Black |
| GTIN (EAN)   | 4050118160901                                                                                                                                      |
| 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                      | Reflow solder connection |
| Outgoing elbow                                    | 90°                         | Pitch in mm (P)                            | 3.5 mm                   |
| Pitch in inches (P)                               | 0.138 inch                  | No. of poles                               | 24                       |
| 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                                   | 17.5 mm                  |
| L1 in inches                                      | 0.689 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**
