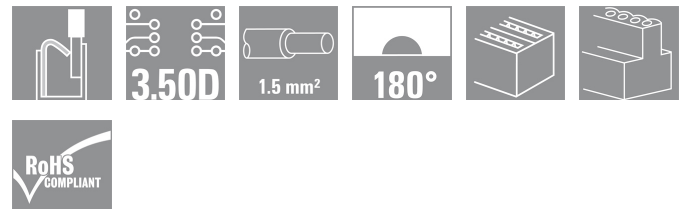


## Series B2C/S2C 3.50 - 2-row B2CF 3.50/06/180 SN OR BX

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
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Germany  
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www.weidmueller.com



### Two-row female plug with PUSH IN spring connection

- Simply insert the prepared wires - finished
- Intuitive to use because
- the wire-entry area and handling area are clearly separated
- Integrated push-buttons for opening the terminal point
- High component density because of low heights
- Optional: locking and releasing require no tools when using Weidmüller's patented release latch (LR)
- Approval according to IEC 60335 and GL in preparation
- Wire-end ferrules with plastic collars DIN 46228 or Weidmüller colour code
  - 1.00 mm<sup>2</sup> [H1.0/18D] metal ferrule length 12 mm, stripping length 15 mm
  - 0.75 mm<sup>2</sup> [H0.75/18D] metal ferrule length 12 mm, stripping length 14 mm
  - 0.50 mm<sup>2</sup> [H0.5/16D] metal ferrule length 10 mm, stripping length 12 mm
  - 0.34 mm<sup>2</sup> [H0.34/12] metal ferrule length 8 mm, stripping length 10 mm
  - 0.25 mm<sup>2</sup> [H0.25/12] metal ferrule length 8 mm, stripping length 10 mm
  - 0.14 mm<sup>2</sup> [H0.14/12] metal ferrule length 8 mm, stripping length 10 mm
- Wire end ferrule without plastic collar, DIN 46228

- 1.50 mm<sup>2</sup> [H1.5/10] metal ferrule length 10 mm, stripping length 10 mm
- Wire-end ferrule with plastic collar DIN 46228 and 2 connected cables
  - 2 x 0.20 mm<sup>2</sup> [H0.5/16] metal ferrule length 10 mm, stripping length 12 mm
  - 2 x 0.34 mm<sup>2</sup> [H1.0/18] metal ferrule length 12 mm, stripping length 15 mm

### General ordering data

Order No.	<a href="#">1277280000</a>
Type	B2CF 3.50/06/180 SN OR BX
Version	PCB plug-in connector, female plug, 3.50 mm, No. of poles: 6, 180°, PUSH IN spring connection, Clamping range, rated connection, max.: 1.5 mm <sup>2</sup> , Box
GTIN (EAN)	4050118067064
Qty.	174 pc(s).
Product data	IEC: 320 V / 13.4 A / 0.14 - 1.5 mm <sup>2</sup> UL: 300 V / 10 A / AWG 26 - AWG 16
Packaging	Box

Creation date October 10, 2012 8:30:52 AM CEST

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**Technical data**
**Dimensions and weights**

Net weight 3.964 g

**System parameters**

Product family	Series B2C/S2C 3.50 - 2-row	Conductor connection system	PUSH IN spring connection
Outgoing direction of conductor	180°	Pitch in mm (P)	3.5 mm
Pitch in inches (P)	0.138 inch	No. of poles	6
Number of rows	1	Stripping length	10 mm
L1 in mm	7 mm	L1 in inches	0.276 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	PA 66 GF 30	Colour	Orange
Colour chart (similar)	RAL 2000	UL 94 flammability rating	V-0
CTI	≥ 600	Contact material	Copper alloy
Contact surface	tinned	Continuous operating temp., min.	-25 °C
Continuous operating temp., max.	120 °C		

**Connectable conductors**

Clamping range, rated connection, min.	0.14 mm <sup>2</sup>	Clamping range, rated connection, max.	1.5 mm <sup>2</sup>
Solid, min. H05(07) V-U	0.14 mm <sup>2</sup>	Solid, max. H05(07) V-U	1.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.14 mm <sup>2</sup>	Flexible, max. H05(07) V-K	1.5 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, min.	0.14 mm <sup>2</sup>	w. wire end ferrule, DIN 46228 pt 1, max.	1.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.14 mm <sup>2</sup>	w. plastic collar ferrule, DIN 46228 pt 4, max.	1 mm <sup>2</sup>

**DIN IEC rating data**

Rated current, min. no. of poles (Tu=20°C)	13.4 A	Rated current, max. no. of poles (Tu=20°C)	10 A
Rated current, number of poles (Tu=40°C), min	12 A	Rated current, number of poles (Tu=40°C), max.	9 A
Rated voltage for surge voltage class / pollution degree II/2	320 V	Rated voltage for surge voltage class / pollution degree III/2	160 V
Rated voltage for surge voltage class / pollution degree III/3	160 V	Rated impulse voltage for surge voltage class/ pollution degree II/2	2.5 kV
Rated impulse voltage for surge voltage class/ pollution degree III/2	2.5 kV	Rated impulse voltage for surge voltage class/ contamination degree III/3	2.5 kV
Short-time withstand current resistance	3 x 1s with 80 A		

**CSA rating data**

Rated voltage (Use group B)	300 V	Rated current (use group B)	5 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 16

**UL 1059 rating data**

Rated voltage (use group B)	300 V	Rated current (use group B)	10 A
Rated voltage (use group C)	50 V	Rated current (use group C)	10 A
Rated voltage (use group D)	300 V	Rated current (use group D)	10 A
Wire cross-section, AWG, min.	AWG 26	Wire cross-section, AWG, max.	AWG 16

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**Technical data**
**Classifications**

eClass 6.0	27-26-07-04	eClass 7.0	27-44-04-02
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**Notes**

Notes	<ul style="list-style-type: none"> <li>• Other colours on request</li> <li>• Gold-plated contact surfaces on request</li> <li>• Rated current related to rated cross-section and min. No. of poles.</li> <li>• We recommend crimp shape A for wire-end ferrules with crimping tools PZ 1,5 (order no. 9005990000) or PZ 6/5 (order no. 9011460000) for the larger wire cross-sections.</li> <li>• Specifications of diagram P = pitch</li> <li>• 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.</li> <li>• Max. outer diameter of the cable 2.6 mm</li> </ul> <p>Wire-end ferrule with plastic collar DIN 46228/4 or Weidmüller colour code</p> <ul style="list-style-type: none"> <li>• 1.00 mm<sup>2</sup> [H1.0/18D] metal ferrule length 12 mm, stripping length 15 mm</li> <li>• 0.75 mm<sup>2</sup> [H0.75/18D] metal ferrule length 12 mm, stripping length 14 mm</li> <li>• 0.50 mm<sup>2</sup> [H0.5/16D] metal ferrule length 10 mm, stripping length 12 mm</li> <li>• 0.34 mm<sup>2</sup> [H0.34/12] metal ferrule length 8 mm, stripping length 10 mm</li> <li>• 0.25 mm<sup>2</sup> [H0.25/12] metal ferrule length 8 mm, stripping length 10 mm</li> <li>• 0.14 mm<sup>2</sup> [H0.14/12] metal ferrule length 8 mm, stripping length 10 mm</li> </ul> <p>Wire-end ferrule without plastic collar acc. to DIN 46228/1</p> <ul style="list-style-type: none"> <li>• 1.50 mm<sup>2</sup> [H1.5/10] metal ferrule length 10 mm, stripping length 10 mm</li> </ul> <p>Wire-end ferrule with plastic collar DIN 46228/4 and 2 connected cables</p> <ul style="list-style-type: none"> <li>• 2 x 0.20 mm<sup>2</sup> [H0.5/16] metal ferrule length 10 mm, stripping length 12 mm</li> <li>• 2 x 0.34 mm<sup>2</sup> [H1.0/18] metal ferrule length 12 mm, stripping length 15 mm</li> </ul>
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**Data sheet...**

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**Drawings**

