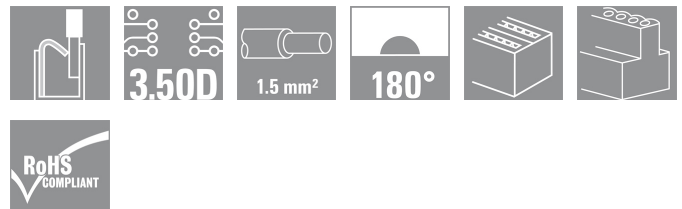


Series B2C/S2C 3.50 - 2-row B2CF 3.50/12/180 SN OR BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



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 mm² [H1.0/18D] metal ferrule length 12 mm, stripping length 15 mm
 - 0.75 mm² [H0.75/18D] metal ferrule length 12 mm, stripping length 14 mm
 - 0.50 mm² [H0.5/16D] metal ferrule length 10 mm, stripping length 12 mm
 - 0.34 mm² [H0.34/12] metal ferrule length 8 mm, stripping length 10 mm
 - 0.25 mm² [H0.25/12] metal ferrule length 8 mm, stripping length 10 mm
 - 0.14 mm² [H0.14/12] metal ferrule length 8 mm, stripping length 10 mm
- Wire end ferrule without plastic collar, DIN 46228

- 1.50 mm² [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 mm² [H0.5/16] metal ferrule length 10 mm, stripping length 12 mm
 - 2 x 0.34 mm² [H1.0/18] metal ferrule length 12 mm, stripping length 15 mm

General ordering data

Order No.	1277320000
Type	B2CF 3.50/12/180 SN OR BX
Version	PCB plug-in connector, female plug, 3.50 mm, No. of poles: 12, 180°, PUSH IN spring connection, Clamping range, rated connection, max.: 1.5 mm ² , Box
GTIN (EAN)	4050118067729
Qty.	84 pc(s).
Product data	IEC: 320 V / 13.4 A / 0.14 - 1.5 mm ² UL: 300 V / 10 A / AWG 26 - AWG 16
Packaging	Box

Creation date October 10, 2012 8:30:54 AM CEST

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Technical data
Dimensions and weights

Net weight 7.898 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	12
Number of rows	1	Stripping length	10 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	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 ²	Clamping range, rated connection, max.	1.5 mm ²
Solid, min. H05(07) V-U	0.14 mm ²	Solid, max. H05(07) V-U	1.5 mm ²
Flexible, min. H05(07) V-K	0.14 mm ²	Flexible, max. H05(07) V-K	1.5 mm ²
w. wire end ferrule, DIN 46228 pt 1, min.	0.14 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	1.5 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.14 mm ²	w. plastic collar ferrule, DIN 46228 pt 4, max.	1 mm ²

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
- Other colours on request
 - Gold-plated contact surfaces on request
 - Rated current related to rated cross-section and min. No. of poles.
 - 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.
 - Specifications of diagram P = pitch
 - 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.
 - Max. outer diameter of the cable 2.6 mm
- Wire-end ferrule with plastic collar DIN 46228/4 or Weidmüller colour code
- 1.00 mm² [H1.0/18D] metal ferrule length 12 mm, stripping length 15 mm
 - 0.75 mm² [H0.75/18D] metal ferrule length 12 mm, stripping length 14 mm
 - 0.50 mm² [H0.5/16D] metal ferrule length 10 mm, stripping length 12 mm
 - 0.34 mm² [H0.34/12] metal ferrule length 8 mm, stripping length 10 mm
 - 0.25 mm² [H0.25/12] metal ferrule length 8 mm, stripping length 10 mm
 - 0.14 mm² [H0.14/12] metal ferrule length 8 mm, stripping length 10 mm
- Wire-end ferrule without plastic collar acc. to DIN 46228/1
- 1.50 mm² [H1.5/10] metal ferrule length 10 mm, stripping length 10 mm
- Wire-end ferrule with plastic collar DIN 46228/4 and 2 connected cables
- 2 x 0.20 mm² [H0.5/16] metal ferrule length 10 mm, stripping length 12 mm
 - 2 x 0.34 mm² [H1.0/18] metal ferrule length 12 mm, stripping length 15 mm

Data sheet...

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Drawings

