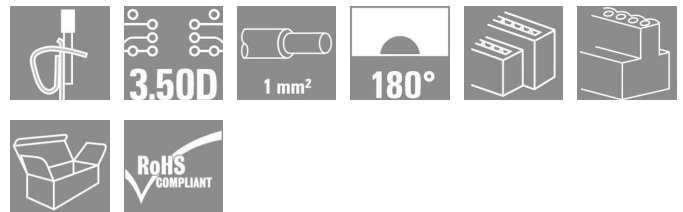


## OMNIMATE Signal - series B2L/S2L 3.50 - 2-row B2L 3.50/18/180QV9 SN BK BX

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



Female connector with integral cross-connection and clear printing for uninterrupted relaying of potential at full current-carrying capacity with the maximum cable cross-section. The cross-connection is positioned vertically between the poles of rows directly on top of each other. Conductor connection with tension clamp system with straight outlet and 3.5 mm pitch. Flange and release lever available. Packed in cardboard box.

- 0.20 - 1.0mm<sup>2</sup> (IEC) / 28 - 18 AWG (UL)
- 80 V (IEC) / 150 V (UL)
- 10 A (IEC) / 10 A (UL)

### General ordering data

Type	B2L 3.50/18/180QV9 SN BK BX
Order No.	<a href="#">1944650000</a>
Version	PCB plug-in connector, female plug, 3.50 mm, No. of poles: 18, 180°, Tension clamp connection, Clamping range, rated connection, max.: 1 mm <sup>2</sup> , Box
GTIN (EAN)	4032248619580
Qty.	20 pc(s).
Product data	IEC: 200 V / 10.6 A / 0.2 - 1 mm <sup>2</sup> UL: 150 V / 7 A / AWG 28 - AWG 18
Packaging	Box

Erstellungs-Datum January 27, 2014 12:41:18 PM CET

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## Technische Daten

### Dimensions and weights

Net weight 9.9 g

### System parameters

Product family	OMNIMATE Signal - series B2L/S2L 3.50 - 2-row	Wire connection method	Tension clamp connection
Conductor outlet direction	180°	Pitch in mm (P)	3.5 mm
Pitch in inches (P)	0.138 inch	No. of poles	18
Stripping length	7 mm	L1 in mm	28 mm
L1 in inches	1.102 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	PBT	Colour	Black
Colour chart (similar)	RAL 9011	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	Cu-Leg
Contact surface	tinned	Operating temperature, min.	-50 °C
Operating temperature, max.	100 °C	Temperature range, installation, min.	-30 °C
Temperature range, installation, max.	100 °C		

### Connectable conductors

Clamping range, rated connection, min.	0.08 mm <sup>2</sup>	Clamping range, rated connection, max.	1 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 28	Wire connection cross section AWG, max.	AWG 18
Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>	Solid, max. H05(07) V-U	1 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>	Flexible, max. H05(07) V-K	1 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, min.	0.13 mm <sup>2</sup>	w. wire end ferrule, DIN 46228 pt 1, max.	0.34 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.13 mm <sup>2</sup>	w. plastic collar ferrule, DIN 46228 pt 4, max.	0.34 mm <sup>2</sup>

### DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)	10.6 A	Rated current, max. no. of poles (Tu=20°C)	8.2 A
Rated current, number of poles (Tu=40°C), min	9.1 A	Rated current, number of poles (Tu=40°C), max.	7 A
Rated voltage for surge voltage class pollution degree II/2	200 V	Rated voltage for surge voltage class pollution degree III/2	160 V
Rated voltage for surge voltage class pollution degree III/3	80 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	1.5 kV
Short-time withstand current resistance	3 x 1s with 77 A		

**Datenblatt**

**OMNIMATE Signal - series B2L/S2L 3.50 - 2-row  
B2L 3.50/18/180QV9 SN BK BX**

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**Technische Daten**

**CSA rating data**

Institute (CSA)



Rated voltage (Use group B)

300 V

Rated current (use group B) 7 A

Wire cross-section, AWG, min. AWG 28

Wire cross-section, AWG, max. AWG 18

**UL 1059 rating data**

Institute (UR)



Rated voltage (use group B)

150 V

Rated current (use group B) 7 A

Rated voltage (use group C) 50 V

Rated current (use group C) 7 A

Wire cross-section, AWG, min. AWG 28

Wire cross-section, AWG, max. AWG 18

**Classifications**

UNSPSC	30-21-18-10	eClass 5.1	27-26-07-04
eClass 6.2	27-26-07-04	eClass 7.1	27-44-04-02

**Notes**

Notes

- Additional colours on request
- Gold-plated contact surfaces on request
- Rated current related to rated cross-section & min. No. of poles.
- Wire end ferrule with plastic collar to DIN 46228/4
- Wire end ferrule without plastic collar to DIN 46228/1
- P on drawing = pitch
- We recommend crimp shape A for wire-end ferrules with crimping tool PZ 6/5 (order no. 9011460000) for the larger wire cross-sections.
- 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.

**Approvals**

Approvals



ROHS

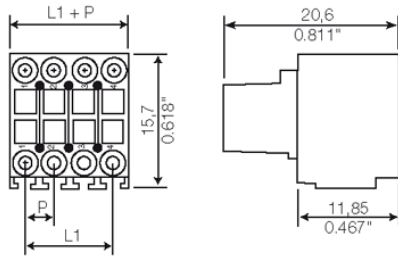
Conform

**Datenblatt**

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B2L 3.50/18/180QV9 SN BK BX**

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**Zeichnungen**



B2L 3.50/.../180 QV - S2L 3.50/.../90

