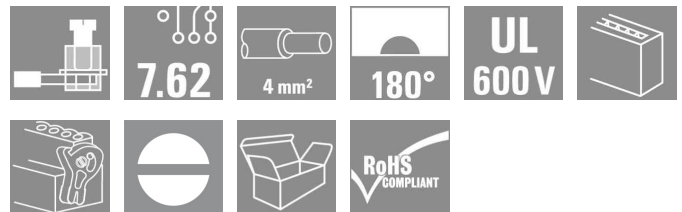


## OMNIMATE Power - series BL/SL 7.62HP BLZ 7.62HP/04/180LR SN BK BX

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



**Power on board #96 100% safety, 100% integration, 100% cost-effectiveness:**

The compact and efficient solution for UL-600V applications in the lower performance range (up to 12 kVA).

- 29 A at 400V (IEC)
- 18.5 A at 600 V (UL)
- Single compartment mating profile
- Clamping range: 0.08 - 4 mm<sup>2</sup> / AWG 28 - 12

Assistance with device approval:

- Fulfils requirements for 600 V as per UL 508 / UL840.
- Fulfils the stricter touch-protection requirements of IEC68100-5-1.

The slimming diet for multiple-stage device series: reduced size and cost cuts in the lower high-volume performance range without compromising the device approval!

### General ordering data

Type	BLZ 7.62HP/04/180LR SN BK BX
Order No.	<a href="#">1093450000</a>
Version	PCB plug-in connector, female plug, 7.62 mm, No. of poles: 4, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 4 mm <sup>2</sup> , Box
GTIN (EAN)	4032248864430
Qty.	35 pc(s).
Product data	IEC: 630 V / 29 A / 0.2 - 4 mm <sup>2</sup> UL: 600 V / 20 A / AWG 20 - AWG 12
Packaging	Box

Erstellungs-Datum December 17, 2013 10:07:57 AM CET

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## Technische Daten

### Dimensions and weights

Net weight 6 g

### System parameters

Product family	OMNIMATE Power - series BL/SL 7.62HP	Wire connection method	Clamping yoke connection
Conductor outlet direction	180°	Pitch in mm (P)	7.62 mm
Pitch in inches (P)	0.3 inch	No. of poles	4
Screwdriver blade	0.6 x 3.5	Screwdriver blade standard	DIN 5264
Tightening torque, min.	0.4 Nm	Tightening torque, max.	0.5 Nm
Clamping screw	M 2.5	Stripping length	7 mm
L1 in mm	22.86 mm	L1 in inches	0.9 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		

### Connectable conductors

Clamping range, rated connection, min.	0.08 mm <sup>2</sup>	Clamping range, rated connection, max.	4 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 28	Wire connection cross section AWG, max.	AWG 12
Solid, min. H05(07) V-U	0.2 mm <sup>2</sup>	Solid, max. H05(07) V-U	4 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.2 mm <sup>2</sup>	Flexible, max. H05(07) V-K	4 mm <sup>2</sup>
w. wire end ferrule, DIN 46228 pt 1, min.	0.2 mm <sup>2</sup>	w. wire end ferrule, DIN 46228 pt 1, max.	2.5 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.2 mm <sup>2</sup>	w. plastic collar ferrule, DIN 46228 pt 4, max.	2.5 mm <sup>2</sup>
Plug gauge acc. to EN 60999 a x b; Ø	2.8 mm x 2.4 mm		

### DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)	29 A	Rated current, max. no. of poles (Tu=20°C)	26.5 A
Rated current, number of poles (Tu=40°C), min	25 A	Rated current, number of poles (Tu=40°C), max.	23 A
Rated voltage for surge voltage class pollution degree II/2	630 V	Rated voltage for surge voltage class pollution degree III/2	500 V
Rated voltage for surge voltage class pollution degree III/3	400 V	Rated impulse voltage for surge voltage class pollution degree II/2	4 kV
Rated impulse voltage for surge voltage class pollution degree III/2	6 kV	Rated impulse voltage for surge voltage class contamination degree III/3	6 kV
Short-time withstand current resistance	3 x 1s with 180 A		

### CSA rating data

Rated voltage (Use group B)	600 V	Rated current (use group B)	20 A
Rated voltage (Use group C)	600 V	Rated current (use group C)	20 A
Rated voltage (use group D)	600 V	Rated current (use group D)	5 A
Wire cross-section, AWG, min.	AWG 20	Wire cross-section, AWG, max.	AWG 12

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**Datenblatt**

**OMNIMATE Power - series BL/SL 7.62HP  
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**Technische Daten**

**UL 1059 rating data**

Rated voltage (use group B)	600 V	Rated current (use group B)	20 A
Rated voltage (use group C)	600 V	Rated current (use group C)	20 A
Rated voltage (use group D)	600 V	Rated current (use group D)	5 A
Wire cross-section, AWG, min.	AWG 20	Wire cross-section, AWG, max.	AWG 12

**Classifications**

eClass 6.2	27-26-07-04	eClass 7.1	27-44-04-02
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**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 without plastic collar to DIN 46228/1
  - Wire end ferrule with plastic collar to DIN 46228/4
  - P on drawing = 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.

**Approvals**

Approvals



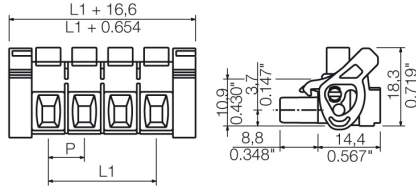
ROHS

Conform

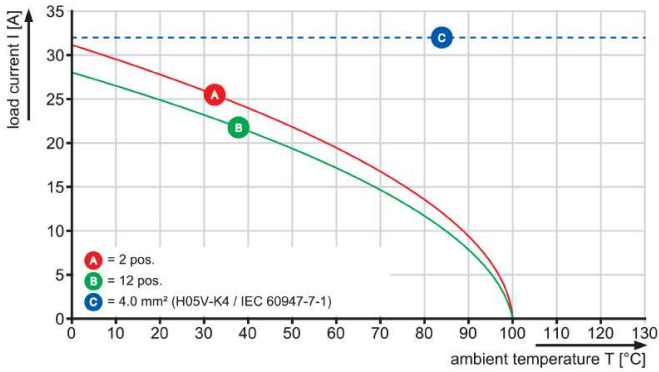
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**Zeichnungen**



BLZ 7.62HP/.../180 - SL 7.62HP/.../90



BLZ 7.62HP/.../180 - SL 7.62HP/.../90

