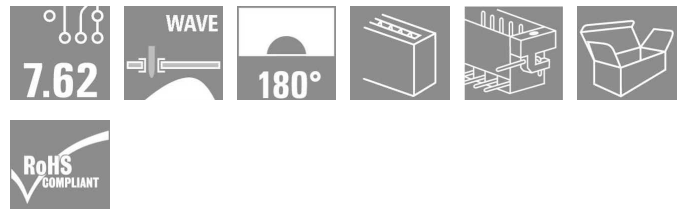
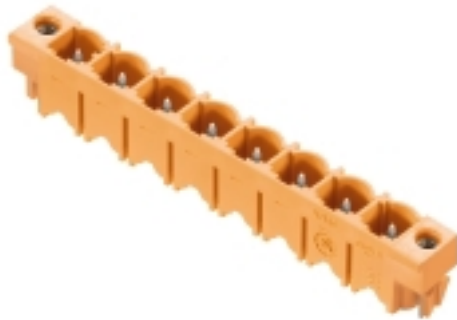


## OMNIMATE Power - series BL/SL 7.62HP SL 7.62HP/10/180LF 3.2 SN OR BX

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



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

The compact and efficient solution for UL-600V applications in the lower performance range. High-performance male header for applications up to 12kVA:

- 29 A at 400V (IEC)
- 18.5 A at 600 V (UL)
- Single compartment mating profile

Assistance with device approval:

- Fulfils requirements for 600 V as per UL 508 / UL840.
- Fulfils demanding electric shock protection requirements as per IEC68100-5-1 in combination with female header BLZ 7.62 HP

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!

Male header, 180° outlet direction, with solder flanges

### General ordering data

Type	SL 7.62HP/10/180LF 3.2 SN OR BX
Order No.	<a href="#">1141280000</a>
Version	PCB plug-in connector, male header, Solder flange, 7.62 mm, No. of poles: 10, 180°, Solder pin length (!): 3.2 mm, tinned, Orange, Box
GTIN (EAN)	4032248924004
Qty.	50 pc(s).
Product data	IEC: 630 V / 29 A UL: 300 V / 20 A
Packaging	Box

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## Technische Daten

### Dimensions and weights

Net weight 5 g

### System parameters

Product family	OMNIMATE Power - series BL/SL 7.62HP	Outgoing elbow	180°
Pitch in mm (P)	7.62 mm	Pitch in inches (P)	0.3 inch
No. of poles	10	Solder pin length (l)	3.2 mm
Pin dimensions	1.0 x 1.0 mm	Can be coded	Yes
Number of solder pins per pole	2	Solder eyelet hole diameter (D)	1.3 mm
Solder eyelet hole diameter tolerance (D)+	0,1 mm	L1 in mm	68.58 mm
L1 in inches	2.7 inch	Touch-safe protection acc. to DIN VDE 0470	IP20 plugged
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch, plugged		

### Material data

Insulating material	PBT	Colour	Orange
Insulating material group	IIIa	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	Cu-Leg
Contact surface	tinned	Max. relative humidity during storage	80 %

### 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 A
Rated current, number of poles (Tu=40°C), min	25 A	Rated current, number of poles (Tu=40°C), max.	21 A
Rated voltage for surge voltage class pollution degree III/3	400 V	Rated impulse voltage for surge voltage classcontamination degree III/3	6 kV
Rated voltage for surge voltage class pollution degree III/2	500 V	Rated impulse voltage for surge voltage classpollution degree III/2	6 kV
Rated voltage for surge voltage class pollution degree II/2	630 V	Rated impulse voltage for surge voltage classpollution degree II/2	6 kV
Short-time withstand current resistance	3 x 1s with 180 A		

### CSA rating data

Rated voltage (Use group B)	300 V	Rated current (use group B)	20 A
Rated voltage (Use group C)	300 V	Rated current (use group C)	20 A
Rated voltage (use group D)	600 V	Rated current (use group D)	5 A

### UL 1059 rating data

Rated voltage (use group B)	300 V	Rated current (use group B)	20 A
Rated voltage (use group C)	300 V	Rated current (use group C)	20 A
Rated voltage (use group D)	600 V	Rated current (use group D)	5 A

### Classifications

eClass 6.2	27-26-07-04	eClass 7.1	27-44-04-02
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**Technische Daten****Notes**

- |       |  |
|-------|--|
| Notes | <ul style="list-style-type: none"><li>• Additional colours on request</li><li>• Gold-plated contact surfaces on request</li><li>• Rated current related to rated cross-section &amp; min. No. of poles.</li><li>• P on drawing = 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></ul> |
|-------|--|

**Approvals**

Approvals	
ROHS	Conform

**Datenblatt**

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**Zeichnungen**

