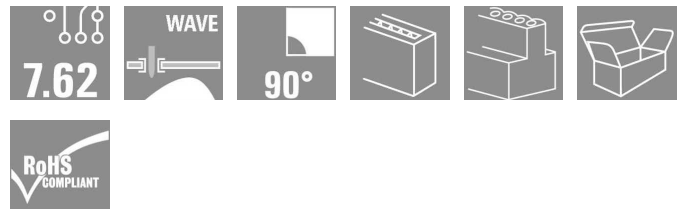


**OMNIMATE Power - series BV/SV 7.62HP
BVL 7.62HP/04/90 3.5SN BK BX**

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



High-performance female connector with solder connection. Side-by-side mounting without losing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum connection and operating reliability thanks to pin arrangement that prevents wrong connections or wrong wiring, unique coding diversity, 4-point contact.

- 0.20 - 6 mm² (IEC) / 22 - 10 AWG (UL)
- 800 V (IEC) / 600 V (UL)
- 41 A (IEC) / 31 A (UL)

General ordering data

Type	BVL 7.62HP/04/90 3.5SN BK BX
Order No.	1928300000
Version	PCB plug-in connector, female header, closed side, Solder connection, 7.62 mm, No. of poles: 4, 90°, Solder pin length (l): 3.5 mm, tinned, Black, Box
GTIN (EAN)	4032248577507
Qty.	100 pc(s).
Product data	IEC: 1000 V / 41 A UL: 300 V / 35 A
Packaging	Box

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Technische Daten

Dimensions and weights

Net weight 9.65 g

System parameters

Product family	OMNIMATE Power - series BV/SV 7.62HP	Mounting onto the PCB	Solder connection
Outgoing elbow	90°	Pitch in mm (P)	7.62 mm
Pitch in inches (P)	0.3 inch	No. of poles	4
Solder pin length (l)	3.5 mm	Pin dimensions	0.8 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	22.86 mm	L1 in inches	0.9 inch
Insulation resistance	> 10 ¹⁰ Ω	Touch-safe protection acc. to DIN VDE 0470	IP 20
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch, plugged		


Material data

Insulating material	PA GF	Colour	Black
Insulating material group	II	UL 94 flammability rating	V-0
CTI	≥ 500	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)	41 A	Rated current, max. no. of poles (Tu=20°C)	41 A
Rated current, number of poles (Tu=40°C), min	41 A	Rated current, number of poles (Tu=40°C), max.	41 A
Rated voltage for surge voltage class pollution degree III/3	630 V	Rated impulse voltage for surge voltage classcontamination degree III/3	6 kV
Rated voltage for surge voltage class pollution degree III/2	630 V	Rated impulse voltage for surge voltage classpollution degree III/2	6 kV
Rated voltage for surge voltage class pollution degree II/2	1,000 V	Rated impulse voltage for surge voltage classpollution degree II/2	6 kV
Short-time withstand current resistance	3 x 1s with 420 A		

CSA rating data

Institute (CSA)		Rated voltage (Use group B)	300 V
Rated current (use group B)	35 A	Rated voltage (Use group C)	300 V
Rated current (use group C)	35 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)	35 A
Rated voltage (use group C)	300 V	Rated current (use group C)	35 A
Rated voltage (use group D)	600 V	Rated current (use group D)	5 A

Datenblatt

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Technische Daten

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
 - Rated current related to rated cross-section & min. No. of poles.
 - 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



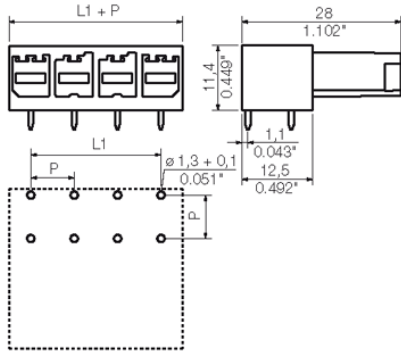
ROHS

Conform

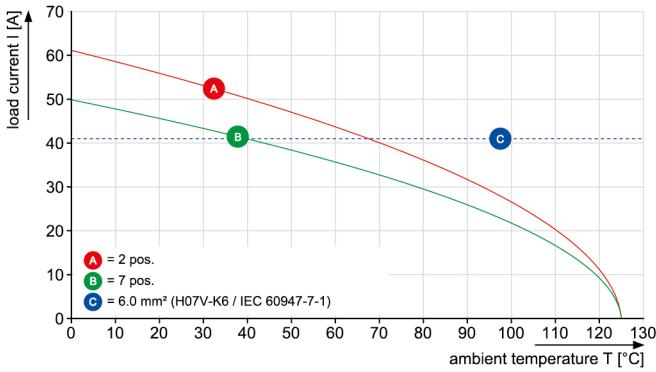
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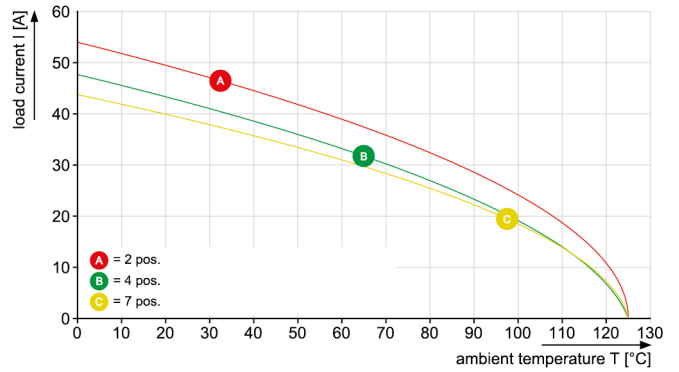
Zeichnungen



BVL 7.62HP/..90 - SVZ 7.62HP/..180



BVL 7.62HP/..90 - SV 7.62HP/..180



BVL 7.62HP/..90 - SV 7.62HP/..90

