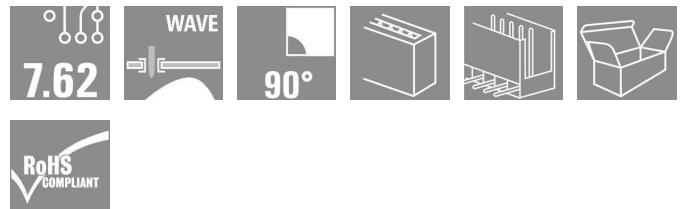


OMNIMATE Power - series BV/SV 7.62HP SV 7.62HP/03/90G SC/06R SN BK BX

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



Combined 90° pin header in 7.62 pitch with power and signal contacts, including auto-interlocking middle flange and (optional) pluggable shield connection.

Allows power, signals and (optional) EMC shield to be plugged in simultaneously. It is perfect for connecting servo-drives and asynchronous drives.

When used together with a BVF 7.62HP/...BCF..R socket block, they comply with the requirements of IEC 61800-5-1 and enable UL approval according to UL840 600 V.

When no socket block is present, the mating profile ensures that more than 3 mm of touch safety is present with a finger pressure of 20 N.

The middle flange interlocks automatically. It decreases the space required by one pitch width when compared to other standard solutions.

Optionally available on request: without flange fitting, with additional screw fitting, or with solder flange fitting.

- 1000 V (IEC) / 300 V (UL)
- 38 A (IEC) / 35 A (UL)
- 600 V is possible with UL 840 device approval

General ordering data

Type	SV 7.62HP/03/90G SC/06R SN BK BX
Order No.	1090120000
Version	PCB plug-in connector, male header, closed side, Solder connection, 7.62 mm, No. of poles: 3, 90°, Solder pin length (l): 3.5 mm, tinned, Black, Box
GTIN (EAN)	4032248858590
Qty.	54 pc(s).
Product data	IEC: 1000 V / 41 A UL: 300 V / 35 A
Packaging	Box

Erstellungs-Datum December 17, 2013 10:05:12 AM CET

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Technische Daten

Dimensions and weights

Net weight 5.01 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	3
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	0
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

eClass 6.2	27-26-07-04	eClass 7.1	27-44-04-02
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Notes

- Notes
- Technical specifications refer to the power contacts
 - Technical specifications of signal contacts: 50V / 5A
 - Rated current related to rated cross-section & min. No. of poles.
 - Specifications of diagram: P1=7.62 mm; P2=3.81 mm
 - 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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Zeichnungen

