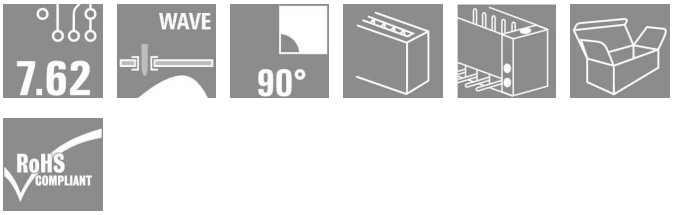
OMNIMATE Power - series BV/SV 7.62HP
SV 7.62HP/04/90MSF4 SC/06R SN BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
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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/04/90MSF4 SC/06R SN BK BX
Order No.	1090450000
Version	PCB plug-in connector, male header, closed side, Middle screw flange, Solder connection, 7.62 mm, No. of poles: 4, 90°, Solder pin length (l): 3.5 mm, tinned, Black, Box
GTIN (EAN)	4032248859122
Qty.	36 pc(s).
Product data	IEC: 1000 V / 41 A UL: 300 V / 35 A
Packaging	Box

Erstellungs-Datum December 17, 2013 10:05:18 AM CET

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Technische Daten

Dimensions and weights

Net weight	6.68 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	0
Solder eyelet hole diameter (D)	1.3 mm	Solder eyelet hole diameter tolerance (D)	+ 0,1 mm
L1 in mm	30.48 mm	L1 in inches	1.2 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

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Technische Daten

Classifications

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

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.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3

Approvals

Approvals

ROHS Conform

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Zeichnungen

