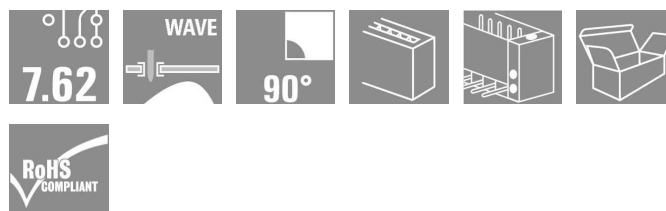


## OMNIMATE Power - series BV/SV 7.62HP SV 7.62HP/02/90MF2 SC/04R SN BK BX

**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/02/90MF2 SC/04R SN BK BX
Order No.	<a href="#">1089370000</a>
Version	PCB plug-in connector, male header, closed side, Middle flange, Solder connection, 7.62 mm, No. of poles: 2, 90°, Solder pin length (l): 3.5 mm, tinned, Black, Box
GTIN (EAN)	4032248858026
Qty.	60 pc(s).
Product data	IEC: 1000 V / 41 A UL: 300 V / 35 A
Packaging	Box

Erstellungs-Datum December 17, 2013 10:04:58 AM CET

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## Technische Daten

### Dimensions and weights

Net weight 3.34 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	2
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	15.24 mm	L1 in inches	0.6 inch
Insulation resistance	> 10 <sup>10</sup> 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.
  - MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3

**Approvals**

Approvals



ROHS

Conform

**Datenblatt****OMNIMATE Power - series BV/SV 7.62HP  
SV 7.62HP/02/90MF2 SC/04R SN BK BX**

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**Zeichnungen**