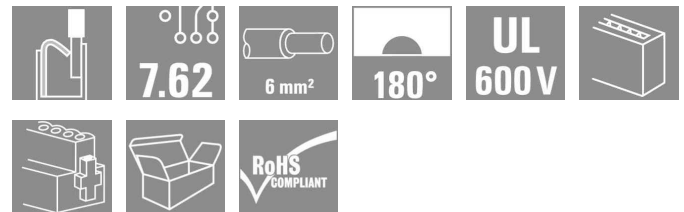


OMNIMATE Power - series BV/SV 7.62HP BVF 7.62HP/05/180MSF3 BCF/06R SN BK BX

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 180° female plug in 7.62 pitch with PUSH IN connection and power/signal contacts: featuring a self-snapping middle flange and optional pluggable shield connection.

It allows power, signals and (optional) shielding to be connected simultaneously. It is perfect for connecting servo-drives and asynchronous drives.

Fulfils the requirements of IEC 61800-5-1 and (for the power contacts) UL 1059 Class C (600 V). The self-snapping middle flange with automatic interlock decreases the space required by one pitch width when compared to other standard solutions.

The pluggable shield connection establishes a large contact area on the device housing and does not need to be screwed on separately. Optionally available on request: without shield connection, without flange fitting, or with middle flange with additional screw fitting.

- 0.2 - 10.0mm² (IEC) / 24 - 12 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 38 A (IEC) / 35 A (UL)

General ordering data

Type	BVF 7.62HP/05/180MSF3 BCF/06R SN BK BX
Order No.	1157280000
Version	PCB plug-in connector, female plug, 7.62 mm, No. of poles: 5, 180°, PUSH IN spring connection, Clamping range, rated connection, max.: 10 mm ² , Box
GTIN (EAN)	4032248944682
Qty.	25 pc(s).
Product data	IEC: 1000 V / 38 A / 0.5 - 10 mm ² UL: 600 V / 35 A / AWG 24 - AWG 8
Packaging	Box

Erstellungs-Datum December 17, 2013 12:49:10 PM CET

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Technische Daten

Dimensions and weights

Net weight 28.5 g

System parameters

Product family	OMNIMATE Power - series BV/SV 7.62HP	Wire connection method	PUSH IN spring connection
Conductor outlet direction	180°	Pitch in mm (P)	7.62 mm
Pitch in inches (P)	0.3 inch	No. of poles	5
Screwdriver blade	0.8 x 4.5	Screwdriver blade standard	DIN 5264
Stripping length	12 mm	L1 in mm	38.1 mm
L1 in inches	1.5 inch	Touch-safe protection acc. to DIN VDE 0470	IP 20
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch		

Material data

Insulating material	PA GF	Colour	Black
Colour chart (similar)	RAL 9011	UL 94 flammability rating	V-0
CTI	≥ 500	Contact material	Cu-Leg
Contact surface	tinned		


Connectable conductors

Clamping range, rated connection, min.	0.5 mm ²	Clamping range, rated connection, max.	10 mm ²
Solid, min. H05(07) V-U	0.5 mm ²	Solid, max. H05(07) V-U	10 mm ²
Flexible, min. H05(07) V-K	0.5 mm ²	Flexible, max. H05(07) V-K	10 mm ²
w. wire end ferrule, DIN 46228 pt 1, min.	1.5 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	6 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	1.5 mm ²	w. plastic collar ferrule, DIN 46228 pt 4, max.	6 mm ²

DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)	38 A	Rated current, max. no. of poles (Tu=20°C)	38 A
Rated current, number of poles (Tu=40°C), min	34 A	Rated current, number of poles (Tu=40°C), max.	34 A
Rated voltage for surge voltage class pollution degree II/2	1,000 V	Rated voltage for surge voltage class pollution degree III/2	1,000 V
Rated voltage for surge voltage class pollution degree III/3	800 V	Rated impulse voltage for surge voltage class pollution degree II/2	6 kV
Rated impulse voltage for surge voltage class pollution degree III/2	8 kV	Rated impulse voltage for surge voltage class contamination degree III/3	8 kV
Short-time withstand current resistance	3 x 1s with 420 A		

CSA rating data

Institute (CSA)		Rated voltage (Use group B)	600 V
Rated current (use group B)	35 A	Rated voltage (Use group C)	600 V
Rated current (use group C)	35 A	Rated voltage (use group D)	600 V
Rated current (use group D)	5 A	Wire cross-section, AWG, min.	AWG 24
Wire cross-section, AWG, max.	AWG 8		

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Datenblatt

**OMNIMATE Power - series BV/SV 7.62HP
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Technische Daten

UL 1059 rating data

Rated voltage (use group B)	600 V	Rated current (use group B)	35 A
Rated voltage (use group C)	600 V	Rated current (use group C)	35 A
Rated voltage (use group D)	600 V	Rated current (use group D)	5 A
Wire cross-section, AWG, min.	AWG 24	Wire cross-section, AWG, max.	AWG 8

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
 - Additional colours on request
 - Rated current related to rated cross-section & min. No. of poles.
 - Wire end ferrule with plastic collar to DIN 46228/4
 - Wire end ferrule without plastic collar to DIN 46228/1
 - 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

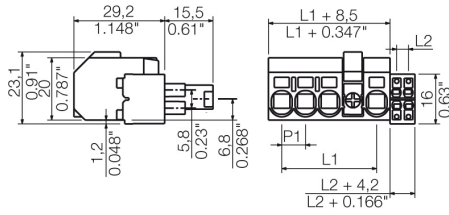


ROHS Conform

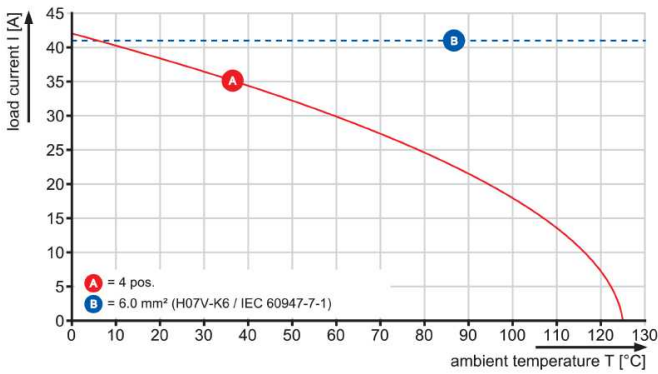
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Zeichnungen



BVF 7.62HP/180 & BCF - SV 7.62HP/90 & SC

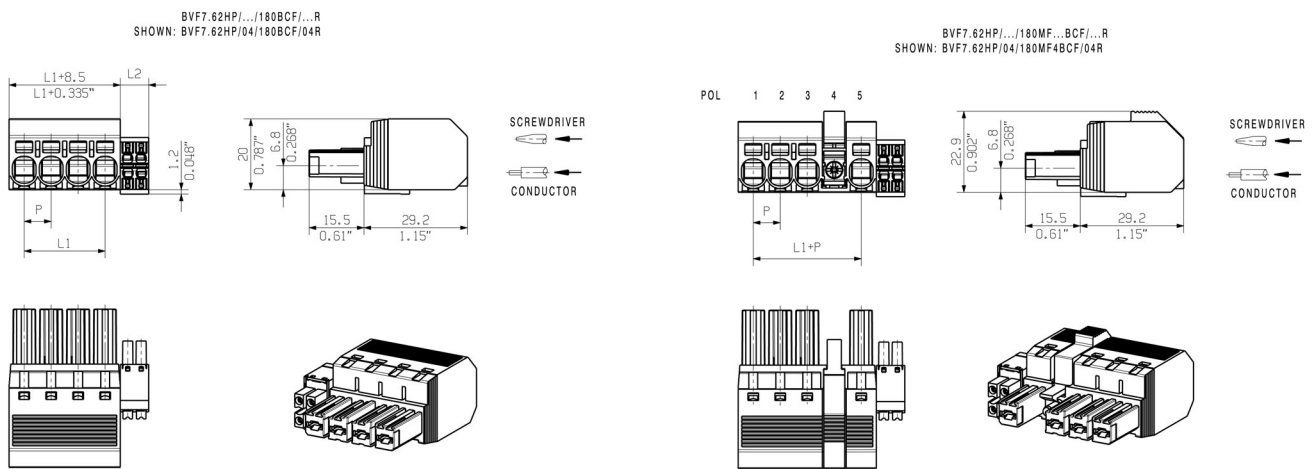


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Zeichnungen

Dimensioned drawing



POLZAHL/ NO OF POLES		L1 mm	P mm	HYBRID 4POL L2=8.03mm	HYBRID 6POL L2=11.84mm	HYBRID 8POL L2=15.65mm
5	30,48	7,62	ORDER NUMBERS SEE DRAWING 49284 SHEET 01			
4	22,86					
3	15,24					
2	7,62					
NO OF POLES		POS				

P=POL/POLES
 MF= MITTELFLANSCH/MIDDLE FLANGE

5 MF 4	P	P	P	MF	P	P
5 MF 3	P	P	MF	P	P	P
4 MF 4	P	P	P	MF	P	P
4 MF 3	P	P	MF	P	P	P
3 MF 3	P	P	P	P	P	P
3 MF 2	P	MF	P	P		
2 MF 2	P	MF	P			
POLE	1	2	3	4	5	6
NO OF POLES	POS					

METRIC TOLERANCES:
 X. = ±0.3
 X.X = ±0.1
 X.XX = ±0.05

Weidmüller PCB components are tested to the DIN EN 61984 standard, and are valid for its field of application. Provided that the components are used to the intended purpose, all requirements with respect to the occurring of electrical, mechanical, thermic and corrosive stress will be satisfied.