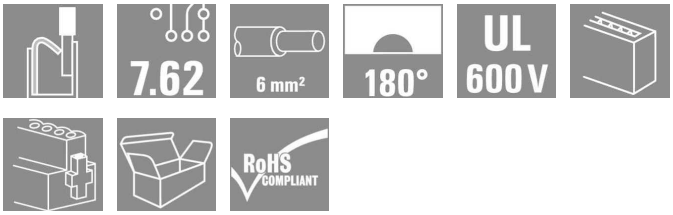
OMNIMATE Power - series BV/SV 7.62HP
BVF 7.62HP/03/180SF SN BK BX

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





180° socket block in 7.62 pitch with PUSH IN connections for on-site wiring of 6-mm² wires.
Fulfils the requirements of UL1059 600 V Class C and IEC 61800-5-1. Provides the ideal finger-safe solution for the power output.
The middle flange interlocks automatically and is optionally available with screw connection. It decreases the space required by one pitch width when compared to other standard solutions.
Variants: without flange, with outer flange, with middle flange and snap-on, and optional extra screw attachment

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

General ordering data

Type	BVF 7.62HP/03/180SF SN BK BX
Order No.	1060510000
Version	PCB plug-in connector, female plug, 7.62 mm, No. of poles: 3, 180°, PUSH IN spring connection, Clamping range, rated connection, max.: 10 mm², Box
GTIN (EAN)	4032248810024
Qty.	40 pc(s).
Product data	IEC: 1000 V / 41 A / 0.5 - 10 mm² UL: 600 V / 35 A / AWG 24 - AWG 8
Packaging	Box

Erstellungs-Datum December 17, 2013 9:27:04 AM CET

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Technische Daten

Dimensions and weights

Net weight	20.42 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	3
Screwdriver blade	0.8 x 4.5	Screwdriver blade standard	DIN 5264
Stripping length	12 mm	L1 in mm	15.24 mm
L1 in inches	0.6 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 mm²	Clamping range, rated connection, max.	10 mm²
Solid, min. H05(07) V-U	0.5 mm²	Solid, max. H05(07) V-U	10 mm²
Flexible, min. H05(07) V-K	0.5 mm²	Flexible, max. H05(07) V-K	10 mm²
w. wire end ferrule, DIN 46228 pt 1, min	1.5 mm²	w. wire end ferrule, DIN 46228 pt 1, max.	6 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	1.5 mm²	w. plastic collar ferrule, DIN 46228 pt 4, max.	6 mm²

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.	38 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 classpollution degree II/2	6 kV
Rated impulse voltage for surge voltage classpollution degree III/2	8 kV	Rated impulse voltage for surge voltage classcontamination 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		

Erstellungs-Datum December 17, 2013 9:27:05 AM CET

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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

Notes

Notes

- 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
- 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

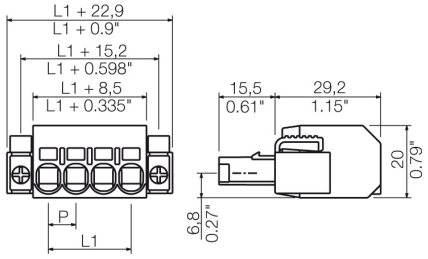
Approvals

ROHS: Conform

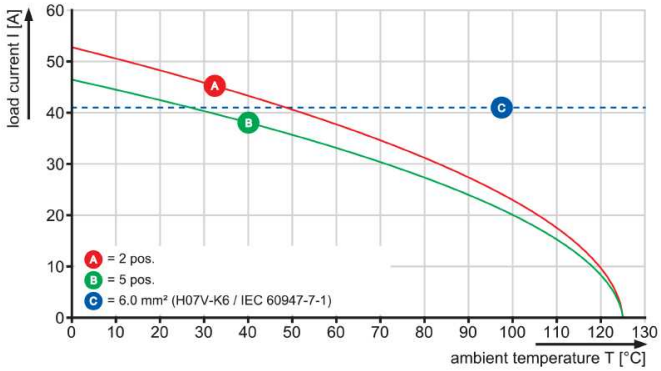
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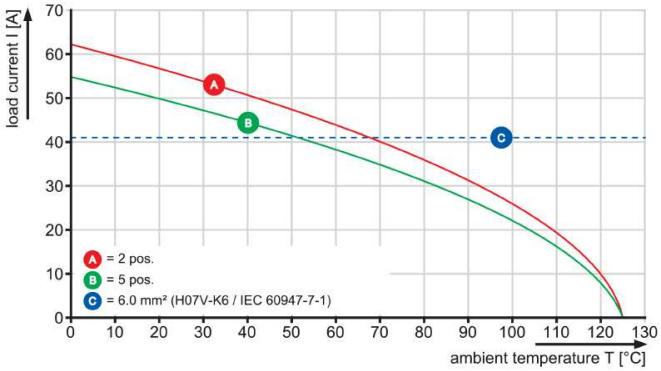
Zeichnungen



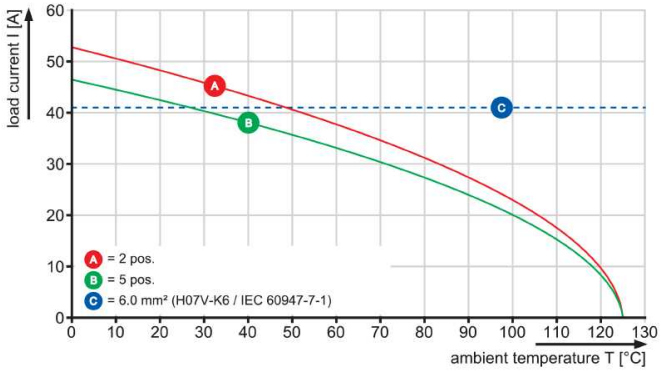
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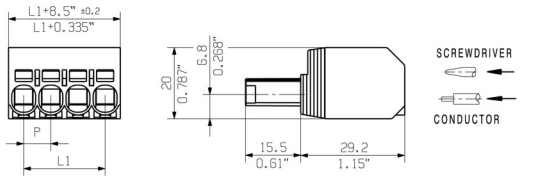
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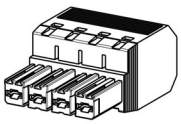
Zeichnungen

Dimensioned drawing

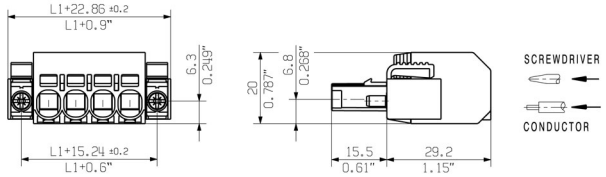
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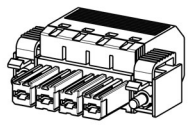
M 1/1



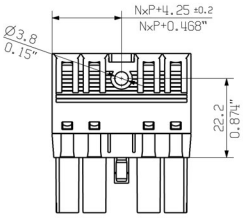
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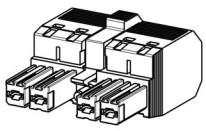
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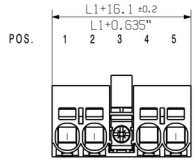


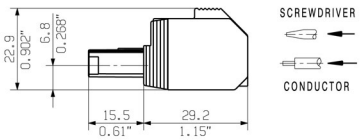
SHOWN: BVF 7.62HP/04/180MSF



M 1/1







P=POL / POLES
MF=MITTELFLANSCH / MIDDLE FLANGE

6 MF 4	P	P	P	MF	P	P	P
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		
4 MF 3	P	P	MF	P	P		
3 MF 3	P	P	MF	P			
3 MF 2	P	MF	P	P			
2 MF 2	P	MF	P				
POS.	1	2	3	4	5	6	7

RoHS COMPLIANT

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 occuring of electrical, mechanical, thermic and corrosive stress will be satisfied.

ORDER NUMBERS
SEE DRAWING 46101 SHEET 01

POLE NO OF POLES	L1 (mm)	L1 (Inch)
7	45,72	1,8
6	38,10	1,5
5	30,48	1,2
4	22,86	0,9
3	15,24	0,6
2	7,62	0,3