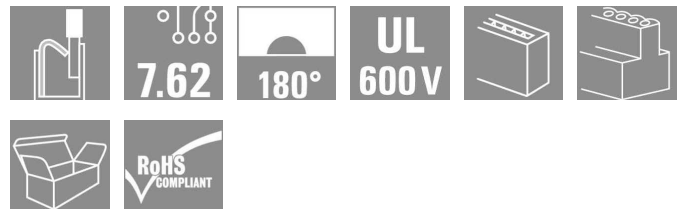


OMNIMATE Power - series BV/SV 7.62HP SVF 7.62HP/06/180G SN BK BX

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° inverted pin header in 7.62 pitch with PUSH IN connection: for on-site wiring of 6-mm² wires. Also perfect for finger-safe solutions involving inverse voltages. Fulfils the requirements of UL1059 600 V Class C and IEC 61800-5-1.

Variants: also available without flange.

Preliminary technical specifications:

- 0.2 - 10 mm² (IEC) / 28 - 12 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 41 A (IEC) / 35 A (UL)

General ordering data

Type	SVF 7.62HP/06/180G SN BK BX
Order No.	1060880000
Version	PCB plug-in connector, male plug, 7.62 mm, No. of poles: 6, 180°, PUSH IN spring connection, Clamping range, rated connection, max.: 10 mm ² , Box
GTIN (EAN)	4032248810833
Qty.	30 pc(s).
Product data	IEC: 1000 V / 41 A / 0.5 - 10 mm ² UL: 600 V / 35 A / AWG 24 - AWG 10
Packaging	Box

Erstellungs-Datum December 17, 2013 9:27:26 AM CET

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Technische Daten

Dimensions and weights

Net weight 32.4 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	6
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	IP20 plugged
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
Stranded, max. H07V-R	10 mm ²	Flexible, min. H05(07) V-K	0.5 mm ²
w. wire end ferrule, DIN 46228 pt 1, min.	1.5 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	4 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)	41 A	Rated current, number of poles (Tu=40°C), min	41 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 10		

Datenblatt

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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 10

Classifications

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

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

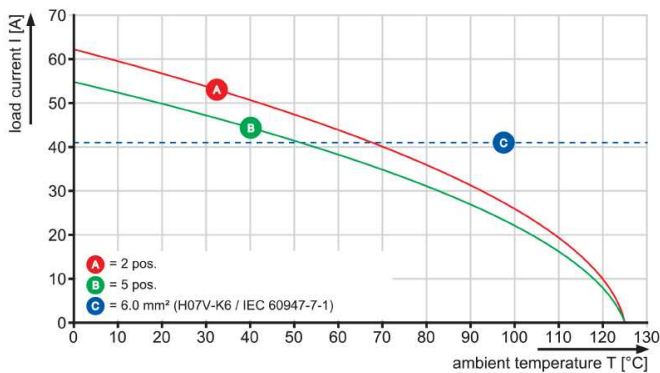
Conform

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Zeichnungen

BVF 7.62HP/./180 - SVF 7.62HP/./180



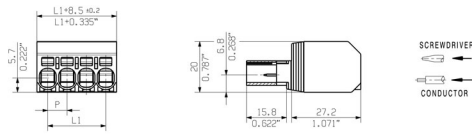
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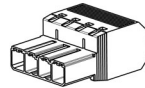
Zeichnungen

Dimensioned drawing

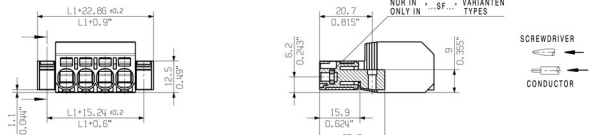
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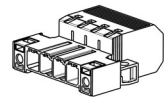
M 1/1



SHOWN: SVF7.62HP/04/180SF



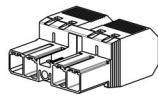
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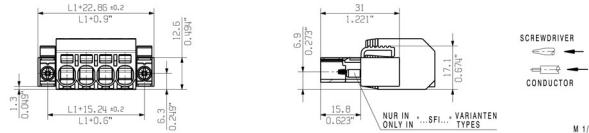
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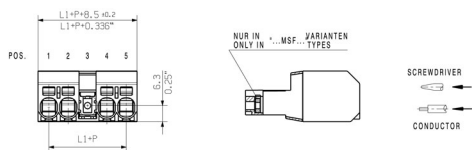
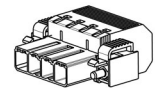
M 1/1



SHOWN: SVF7.62HP/04/180SFI



M 1/1



P=POLEPOLES
MF=MITTELFLANSCHMIDDLE FLANGE

6 MF 4	P	P	P	MF	P	P	P
5 MF 4	P	P	P	MF	P	P	P
6 MF 3	P	P	MF	P	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	P		
3 MF 2	P	MF	P	P			
2 MF 2	P	MF	P				
POLE	1	2	3	4	5	6	7
NO OF POLES	POS.						

ORDER NUMBERS
SEE DRAWING 48181 SHEET 01

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
POLE NO OF POLES	L1 (mm)	L1 (Inch)

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

Weidmüller PCB components are rated in accordance with the DIN EN 61984 standard, and are valid for its field of application.
 If the components are used in accordance with the intended purpose, the components will meet all requirements with respect to the occurring electrical, mechanical, thermal and corrosive stress.