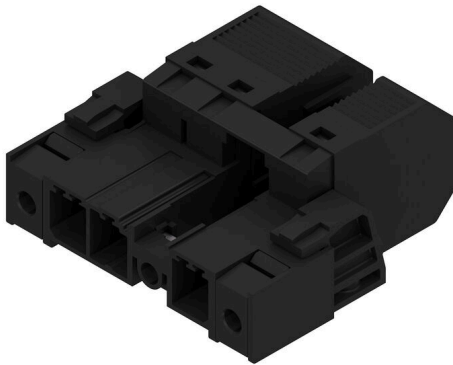


SVF 7.62HP/03/180SFMSF2 SN BK BX SO

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Product image


Similar to illustration

180° inverted pin header with PUSH IN connection technology for field wiring in 6mm² in a 7.62 pitch, as a “three-flange variant” for enclosure feed-through. Suitable for enclosures with a max. wall thickness of 2mm. Also perfect as a touch-safe solution for reverse voltages. Meets the requirements of UL1059 600 V Class C and IEC 61800-5-1.

General ordering data

Version	PCB plug-in connector, male plug, 7.62 mm, Number of poles: 3, 180°, PUSH IN without actuator, Tension-clamp connection, Box
Order No.	2984150000
Type	SVF 7.62HP/03/180SFMSF2 SN BK BX SO
GTIN (EAN)	4099986842953
Qty.	35 items
Product data	IEC: 1000 V / 0,5 - 10 mm ² UL: 600 V / AWG 24 - AWG 10
Packaging	Box

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Technical data

Approvals

Approvals



UL File Number Search [UL Website](#)
Certificate No. (cURus) E60693

Dimensions and weights

Depth	47.7 mm	Depth (inches)	1.8779 inch
Height	23.4 mm	Height (inches)	0.9213 inch
Width	45.72 mm	Width (inches)	1.8 inch
Net weight	20.04 g		

Environmental Product Compliance

RoHS Compliance Status Compliant without exemption
REACH SVHC No SVHC above 0.1 wt%

System Parameters

Product family	OMNIMATE Power - series BV/SV 7.62HP	Wire connection method	PUSH IN without actuator, Tension-clamp connection
Pitch in mm (P)	7.62 mm	Conductor outlet direction	180°
Number of poles	3	Pin series quantity	1
Protection degree	IP20	Plugging cycles	25

Material data

Insulating material	PA GF	Colour	black
Colour chart (similar)	RAL 9011	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	tinned	Layer structure of plug contact	4...6 µm Sn glossy
Operating temperature, min.	-50 °C	Operating temperature, max.	125 °C

Conductors suitable for connection

Solid, min. H05(07) V-U	0.5 mm ²
Solid, max. H05(07) V-U	6 mm ²
Stranded, min. H07V-R	10 mm ²
Stranded, max. H07V-R	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

Clampable conductor	Cross-section for conductor connection	Type	fine-wired	
		nominal	2.5 mm ²	
	wire end ferrule	Stripping length	nominal	12 mm
		Recommended wire-end ferrule	H2.5/12	
		Stripping length	nominal	14 mm
		Recommended wire-end ferrule	H2.5/19D BL	
Cross-section for conductor connection	Type	fine-wired		
	nominal	4 mm ²		

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wire end ferrule	Stripping length	nominal	12 mm
	Recommended wire-end ferrule	H4,0/12	
	Stripping length	nominal	14 mm
	Recommended wire-end ferrule	H4,0/20D GR	
Cross-section for conductor connection	Type	fine-wired	
	nominal	6 mm ²	
wire end ferrule	Stripping length	nominal	12 mm
	Recommended wire-end ferrule	H6,0/12	
	Stripping length	nominal	14 mm
	Recommended wire-end ferrule	H6,0/20 SW	
Cross-section for conductor connection	Type	fine-wired	
	nominal	1.5 mm ²	
wire end ferrule	Stripping length	nominal	15 mm
	Recommended wire-end ferrule	H1,5/18D SW	
	Stripping length	nominal	12 mm
	Recommended wire-end ferrule	H1,5/12	

Reference text The outside diameter of the plastic collar should not be larger than the pitch (P). Length of ferrules is to be chosen depending on the product and the rated voltage.

Rated data acc. to IEC

Rated current, max. number of poles (Tu=20°C)	50 A	Rated current, min. number of poles (Tu=40°C)	57 A
Rated voltage for surge voltage class / pollution degree II/2	1000 V	Rated voltage for surge voltage class / pollution degree III/2	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
Short-time withstand current resistance	3 x 1s with 420 A		

Rated data acc. to CSA

Rated voltage (Use group B / CSA)	600 V	Rated voltage (Use group C / CSA)	600 V
Rated voltage (Use group D / CSA)	600 V	Wire cross-section, AWG, min.	AWG 24
Wire cross-section, AWG, max.	AWG 10		

Rated data acc. to UL 1059

Institute (cURus)	CURUS	Certificate No. (cURus)	E60693
Rated voltage (Use group B / UL 1059)	600 V	Rated voltage (Use group C / UL 1059)	600 V
Rated voltage (Use group D / UL 1059)	600 V	Wire cross-section, AWG, min.	AWG 24
Wire cross-section, AWG, max.	AWG 10	Reference to approval values	Specifications are maximum values, details - see approval certificate.

Packing

Packaging	Box	VPE length	338.00 mm
VPE width	130.00 mm	VPE height	44.00 mm

Important note

IPC conformity Conformity: The products are developed, manufactured and delivered according international recognized standards and norms and comply with the assured properties in the data sheet resp.

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Technical data

fulfill decorative properties in accordance with IPC-A-610 "Class 2". Further claims on the products can be evaluated on request.

Notes

- Additional variants 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.
- In accordance with IEC 61984, OMNIMATE-connectors are connectors without breaking capacity (COC). During designated use, connectors are not allowed to be engaged or disengaged when live or under load
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

Classifications

ETIM 8.0	EC002638	ETIM 9.0	EC002638
ETIM 10.0	EC002638	ECLASS 14.0	27-46-02-02
ECLASS 15.0	27-46-02-02		

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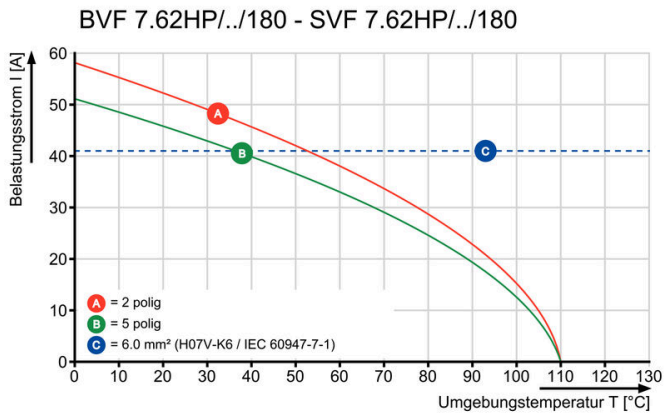
Drawings

Product image



Similar to illustration

Graph



Graph

