



Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26 D-32758 Detmold Germany

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Product image















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180° female header with PUSH IN connection technology for field wiring in 6 mm² with 7.62 pitch.

Meets the requirements as per UL1059 600 V class C and IEC 61800-5-1. Ideal touch-safe solution for the power output.

The self-locking (optionally also screwable) middle flange reduces the space requirements by one pitch width in comparison with conventional solutions.

Variants: without flange, external flange, middle flange with detent fastening and optionally additional screw mount.

General ordering data

Version	PCB plug-in connector, female plug, 7.62 mm, Number of poles: 2, 180°, PUSH IN without actu- ator, Tension-clamp connection, Clamping range, max.: 10 mm², Box	
Order No.	<u>1060500000</u>	
Туре	BVF 7.62HP/02/180SF SN BK BX	
GTIN (EAN)	4032248810031	
Qty.	50 items	
Product data	IEC: 1000 V / 57 A / 0.5 - 10 mm ² UL: 600 V / 39 A / AWG 24 - AWG 8	
Packaging	Вох	



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Technical data

Approvals

Approvals



ROHS	Conform
UL File Number Search	<u>UL Website</u>
Certificate No. (cURus)	E60693

Dimensions and weights

Depth	44.7 mm	Depth (inches)	1.7598 inch
Height	20 mm	Height (inches)	0.7874 inch
Net weight	16.66 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	Type of connection	Field connection
Wire connection method	PUSH IN without actuator, Tension-clamp connection	Pitch in mm (P)	7.62 mm
Pitch in inches (P)	0.300 "	Conductor outlet direction	180°
Number of poles	2	L1 in mm	7.62 mm
L1 in inches	0.300 "	Number of rows	1
Pin series quantity	1	Rated cross-section	6 mm ²
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch	Touch-safe protection acc. to DIN VDE 0470	IP 20
Protection degree	IP20	Volume resistance	4.50 mΩ
Can be coded	Yes	Stripping length	12 mm
Tightening torque for screw flange, min	. 0.2 Nm	Tightening torque for screw flange, max	c. 0.3 Nm
Screwdriver blade	0.6 x 3.5	Plugging cycles	25
Plugging force/pole, max.	17 N	Pulling force/pole, max.	15 N

Material data

Insulating material	PA GF	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	II
Comparative Tracking Index (CTI)	≥ 500	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	tinned	Tinning type	glossy
Layer structure of plug contact	68 µm Sn	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	125 °C	Temperature range, installation, min.	-25 °C
Temperature range, installation, max.	125 °C		

Conductors suitable for connection

Clamping range, min.	0.5 mm ²	
Clamping range, max.	10 mm²	
Solid, min. H05(07) V-U	0.5 mm ²	
Solid, max. H05(07) V-U	10 mm²	

Creation date 28.11.2025 07:42:41 MEZ





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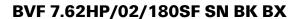
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Stranded, max. H07V-R	10 mm ²		
Flexible, min. H05(07) V-K	0.5 mm ²		
Flexible, max. H05(07) V-K	10 mm ²		
w. plastic collar ferrule, DIN 46228 p			
min.	1 4, 0.5 11111		
w. plastic collar ferrule, DIN 46228 p	ot 4, 6 mm²		
max. w. wire end ferrule, DIN 46228 pt 1,	0.5 mm²		-
min.	0.0 111111		
w. wire end ferrule, DIN 46228 pt 1, max.	10 mm ²		
Clampable conductor	Cross-section for conductor connection	Туре	fine-wired
		nominal	0.5 mm ²
	wire end ferrule	Stripping length	nominal 14 mm
		Recommended wire-	H0,5/12 OR
		end ferrule	
	Cross-section for conductor connection	Туре	fine-wired
		nominal	0.75 mm ²
	wire end ferrule	Stripping length	nominal 14 mm
		Recommended wire-	H0,75/18 W
		end ferrule	<u>,</u>
	Cross-section for conductor connection	Type	fine-wired
		nominal	1 mm ²
	wire end ferrule	Stripping length	nominal 15 mm
		Recommended wire-	H1,0/18 GE
		end ferrule	
	Cross-section for conductor connection	Туре	fine-wired
		nominal	1.5 mm ²
	wire end ferrule	Stripping length	nominal 12 mm
		Recommended wire-	<u>H1,5/12</u>
		end ferrule	
		Stripping length	nominal 15 mm
		Recommended wire- end ferrule	H1,5/18D SW
	Cross-section for conductor connection	Туре	fine-wired
	Greek Greek and the Greek Greek Greek Greek	nominal	2.5 mm ²
	wire end ferrule	Stripping length	nominal 12 mm
	wife end terruie	Recommended wire-	H2,5/12
		end ferrule	112,0/ 12
		Stripping length	nominal 14 mm
		Recommended wire-	H2,5/19D BL
		end ferrule	<u></u>
	Cross-section for conductor connection	Туре	fine-wired
		nominal	4 mm ²
	wire end ferrule	Stripping length	nominal 12 mm
		Recommended wire-	H4,0/12
		end ferrule	
		Stripping length	nominal 14 mm
		Recommended wire-	H4,0/20D GR
		end ferrule	
	Cross-section for conductor connection	Туре	fine-wired
		nominal	6 mm ²
	wire end ferrule	Stripping length	nominal 12 mm
		Recommended wire- end ferrule	H6,0/12
			nominal 14
		Stripping length	nominal 14 mm
		Recommended wire- end ferrule	H6,0/20 SW
	Cross-section for conductor connection	Туре	fine-wired
		nominal	10 mm ²







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	wire end ferrule Stripping length Recommended wire end ferrule The outside diameter of the plastic collar should not be larger than the is to be chosen depending on the product and the rated voltage.		Stripping length	nominal 12 mm
			Recommended wire end ferrule	+ <u>H10,0/12</u>
Reference text			pitch (P), Length of ferrul	
Rated data acc. to IEC				
tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. (Tu=20°C)	·	57 A
Rated current, max. number of poles (Tu=20°C)	51 A	Rated current, min. (Tu=40°C)	·	57 A
Rated current, max. number of poles (Tu=40°C)	45 A	Rated voltage for supplication degree II/	urge voltage class / '2	1000 V
Rated voltage for surge voltage class / pollution degree III/2	1000 V	Rated voltage for supplication degree III	urge voltage class / /3	800 V
Rated impulse voltage for surge voltage class/ pollution degree II/2	6 kV	Rated impulse volta class/ pollution de	age for surge voltage gree III/2	8 kV
Rated impulse voltage for surge voltage class/ contamination degree III/3	8 kV	Short-time withstar	nd current resistance	3 x 1s with 420 A
Creepage distance, min.	12.7 mm	Clearance, min.		10.4 mm
Rated data acc. to CSA				
nstitute (CSA)	CSA	Certificate No. (CS/	Α)	200039-1121690
Rated voltage (Use group B / CSA)	600 V	Rated voltage (Use group C / CSA)		600 V
Rated voltage (Use group D / CSA)	600 V	Rated current (Use group B / CSA)		33 A
Rated current (Use group C / CSA)	33 A	Rated current (Use	group D / CSA)	5 A
Wire cross-section, AWG, min.	AWG 24	Wire cross-section,	AWG, max.	AWG 8
Reference to approval values	Specifications are maximum values, details - see approval certificate.			
Rated data acc. to UL 1059				
L (11D)	CLIBLIC	O ('C') N () II	_ \	F00000
Institute (cURus)	CURUS	Certificate No. (cUI	<u>'</u>	E60693
Rated voltage (Use group B / UL 1059)			group C / UL 1059)	600 V
Rated voltage (Use group D / UL 1059) Rated current (Use group C / UL 1059)	39 A		group B / UL 1059)	39 A 5 A
Wire cross-section, AWG, min.	AWG 24	Rated current (Use group D / UL 1059)		AWG 8
Reference to approval values	Specifications are maximum values, details - see approval certificate.	Wire cross-section, AWG, max.		AVVG 0
Packing				
Packaging	Box VPE length		351.00 mm	
VPE width	137.00 mm VPE height		61.00 mm	
Type tests				
Test: Durability of markings	Standard		DIN FN 61984 section	on 7.3.2 / 09.02 taking
100t. Durability of markings	Garidara		pattern from DIN EN	60068-2-70 / 07.96
	Test		mark of origin, type io	dentification, pitch
	I Frankrick		and the late.	

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Test: Misengagement (Non-

interchangeability)

Catalogue status / Drawings 4

available

durability

DIN EN 61984 section 6.3 and 6.9.1 / 09.02,

DIN EN 60512-13-5 / 11.08

180° turned with coding elements

passed

Evaluation

Evaluation

Standard

Test

Test





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	Evaluation	passed
	Test	180° turned without coding elements
	Evaluation	passed
Test: Clampable cross section	Standard	DIN EN 60999-1 section 7 and 9.1 / 12.00, DIN EN 60947-1 section 8.2.4.5.1 / 04.08
	Conductor type	Type of conductor solid 0.5 mm ² and conductor cross-section
		Type of conductor stranded 0.5 mm ² and conductor cross-section
		Type of conductor solid 6 mm ² and conductor cross-section
		Type of conductor stranded 6 mm ² and conductor cross-section
		Type of conductor AWG 24/1 and conductor cross-section
		Type of conductor AWG 24/19 and conductor cross-section
		Type of conductor AWG 14/1 and conductor cross-section
		Type of conductor AWG 14/19 and conductor cross-section
	Evaluation	passed
Test for damage to and accidental	Standard	DIN EN 60999-1 section 9.4 / 12.00
loosening of conductors	Requirement	0.3 kg
	Conductor type	Type of conductor H05V-U0.5 and conductor cross-section
		Type of conductor H05V-K0.5 and conductor cross-section
		Type of conductor AWG 20/1 and conductor cross-section
		Type of conductor AWG 20/19 and conductor cross-section
	Evaluation	passed
	Requirement	1.4 kg
	Conductor type	Type of conductor H07V-U6 and conductor cross-section
		Type of conductor H07V-K6 and conductor cross-section
		Type of conductor AWG 10/1 and conductor cross-section
		Type of conductor AWG 10/19 and conductor cross-section
	Evaluation	passed
Pull-out test	Standard	DIN EN 60999-1 section 9.5 / 12.00
	Requirement	≥20 N



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Conductor type	Type of conductor and conductor cross-section	H05V-U0.5	
	Type of conductor and conductor cross-section	H05V-K0.5	
	Type of conductor and conductor cross-section	AWG 20/1	
	Type of conductor and conductor cross-section	AWG 20/19	
Evaluation	passed		
Requirement	≥80 N		
Conductor type	Type of conductor and conductor cross-section	H07V-U6	
	Type of conductor and conductor cross-section	H07V-K6	
	Type of conductor and conductor cross-section	AWG 10/1	
	Type of conductor and conductor cross-section	AWG 10/19	
Evaluation	passed		

Important note

Notes

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

Additional variants on request.

- 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.
- 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 6.0	EC002638	ETIM 7.0	EC002638
ETIM 8.0	EC002638	ETIM 9.0	EC002638
ETIM 10.0	EC002638	ECLASS 9.0	27-44-03-09
ECLASS 9.1	27-44-03-09	ECLASS 10.0	27-44-03-09
ECLASS 11.0	27-46-02-02	ECLASS 12.0	27-46-02-02
ECLASS 13.0	27-46-02-02	ECLASS 14.0	27-46-02-02
ECLASS 15.0	27-46-02-02		



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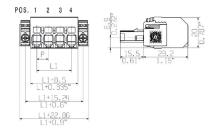
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Drawings

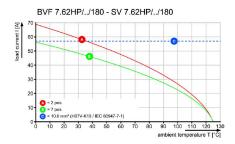
Product image

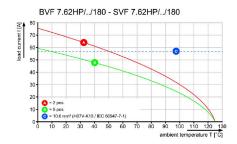






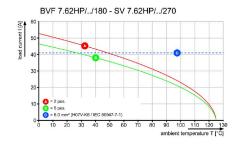
Graph Graph





Graph

Product benefits





Installation without toolsOutlet direction: 90° und 180°