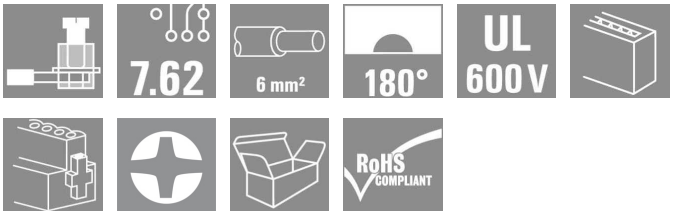
Weidmüller

OMNIMATE Power - series BV/SV 7.62HP
BVZ 7.62HP/05/180F 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





High-performance female header with the proven, 100% maintenance-free Weidmüller steel clamping yoke. Side-by-side mounting without sacrificing any poles or with patented multifunction flange for secure, fast fixing without tools. Maximum operating reliability thanks to 100% false insertion-proof mating profile, unique coding diversity, incorrect wiring protection, 4-point contact. Suitable for labelling.

- 0.20 - 6 mm² (IEC) / 22 - 10 AWG (UL)
- 800 V (IEC) / 600 V (UL)
- 41 A (IEC) / 35 A (UL)

General ordering data

Type	BVZ 7.62HP/05/180F SN BK BX
Order No.	1930080000
Version	PCB plug-in connector, female plug, 7.62 mm, No. of poles: 5, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm², Box
GTIN (EAN)	4032248579853
Qty.	50 pc(s).
Product data	IEC: 1000 V / 41 A / 0.2 - 6 mm² UL: 600 V / 40.5 A / AWG 24 - AWG 8
Packaging	Box

Erstellungs-Datum January 27, 2014 10:25:52 AM CET

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Technische Daten

Dimensions and weights

Net weight	29.72 g

System parameters

Product family	OMNIMATE Power - series BV/SV 7.62HP	Wire connection method	Clamping yoke 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
Tightening torque, min.	0.5 Nm	Tightening torque, max.	0.6 Nm
Clamping screw	M 2.5	Stripping length	12 mm
L1 in mm	30.48 mm	L1 in inches	1.2 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	Contact base material	Cu-Leg

Connectable conductors

Clamping range, rated connection, min.	0.2 mm²	Clamping range, rated connection, max.	6 mm²
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section AWG, max.	AWG 10
Solid, min. H05(07) V-U	0.2 mm²	Solid, max. H05(07) V-U	6 mm²
Flexible, min. H05(07) V-K	0.5 mm²	Flexible, max. H05(07) V-K	6 mm²
w. wire end ferrule, DIN 46228 pt 1, min	0.25 mm²	w. wire end ferrule, DIN 46228 pt 1, max.	6 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm²	w. plastic collar ferrule, DIN 46228 pt 4, max.	6 mm²
Plug gauge acc. to EN 60999 a x b; Ø	2.8 mm x 2.0 mm; 2.4 mm		

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 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		

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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		

UL 1059 rating data

Rated voltage (use group B)	600 V	Rated current (use group B)	40.5 A
Rated voltage (use group C)	600 V	Rated current (use group C)	40.5 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

UNSPSC	30-21-18-10	eClass 5.1	27-26-07-04
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

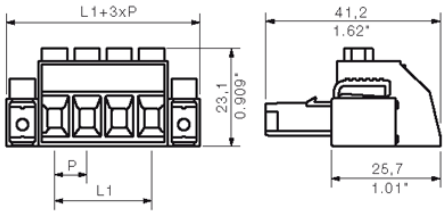
Approvals

ROHS: Conform

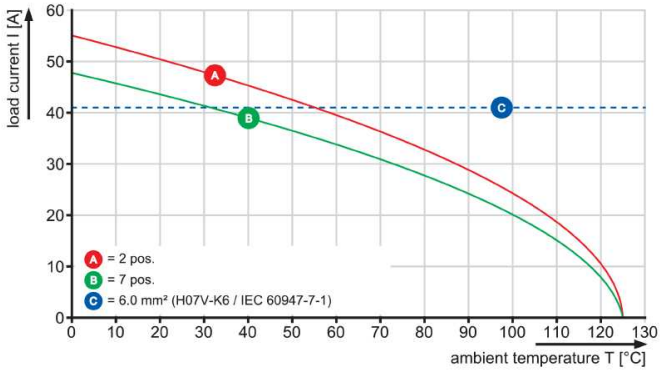
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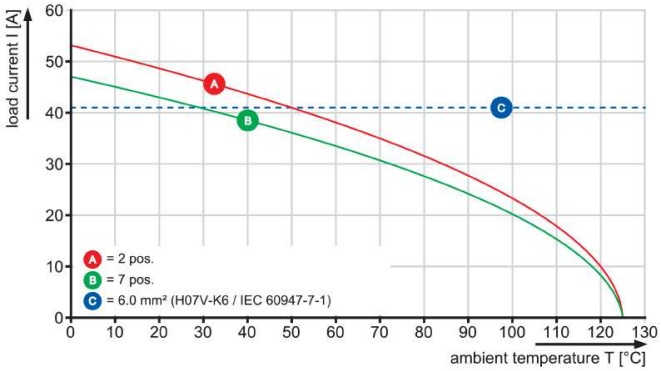
Zeichnungen



BVZ 7.62HP/../180 - SV 7.62HP/../90



BVZ 7.62HP/../180 - SV 7.62HP/../180



BVZ 7.62HP/../180 - SVZ 7.62HP/../180

