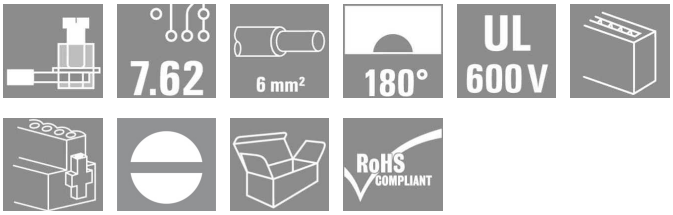
OMNIMATE Power - series BV/SV 7.62IT
BVZ 7.62IT/02/180MF SN BK BX

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° female plug in 7.62 pitch for IT systems. Fulfils the requirements of UL1059 600 V Class C. When used with the male header SV 7.62 IT.. with leading PE contact. Fulfils the extended requirements for 5.5 mm of touch protection with IT systems (400 V relative to earth), according to IEC 61800-5-1.
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.
Also available without middle flange interlock on request.

- 0.2 - 6.0 mm² (IEC) / 28 - 12 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 41 A (IEC) / 31 A (UL)

General ordering data

Type	BVZ 7.62IT/02/180MF SN BK BX
Order No.	1156710000
Version	PCB plug-in connector, female plug, 7.62 mm, No. of poles: 2, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 6 mm², Box
GTIN (EAN)	4032248943692
Qty.	52 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 December 17, 2013 12:48:36 PM CET

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Technische Daten

Dimensions and weights

Net weight	12.93 g

System parameters

Product family	OMNIMATE Power - series BV/SV 7.62IT	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	2
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	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.	0.2 mm²	Clamping range, rated connection, max.	6 mm²
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		

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		

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Technische Daten

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

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.
- MFX and MSFX: X= Position of the middle flange e.g. MF2, MSF3

Approvals

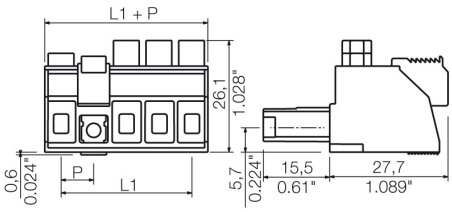
Approvals

ROHS: Conform

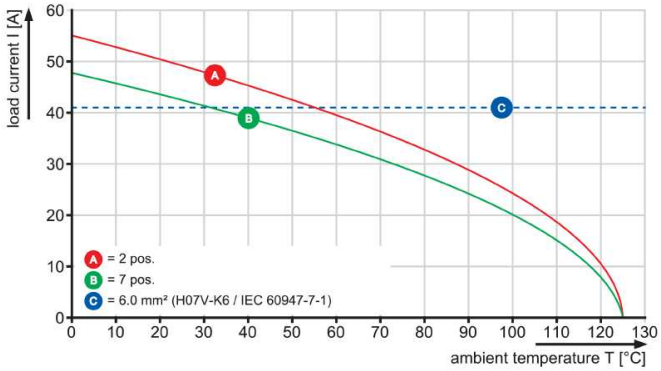
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Zeichnungen



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



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

