

BU/SU 10.16 series
BUZ 10.16IT/03/180MF3 AG BK BX
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

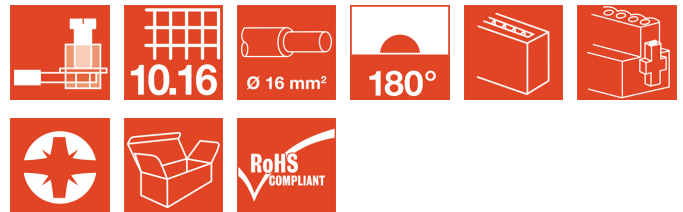
D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-2083

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180° socket block in 10.16 pitch for IT systems. Fulfills the requirements of UL1059 600 V Class C, when used with a SU 10.16 IT pin header with leading PE contact.

Fulfills the expanded 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.

Available optionally without middle flange interlock.

- 0.2 - 16.0 mm² (IEC) / 28 - 12 AWG (UL)
- 1000 V (IEC) / 600 V (UL)
- 76 A (IEC) / 54 A (UL)

General ordering data

Order No.	1156620000
Type	BUZ 10.16IT/03/180MF3 AG BK BX
Version	PCB plug-in connector, female plug, 10.16 mm, No. of poles: 3, 180°, Clamping yoke connection, Clamping range, rated connection, max.: 16 mm², Box
Product data	IEC: 1000 V / 78 A / 0.2 - 16 mm² UL: 300 V / 54 A / AWG 22 - AWG 6
GTIN (EAN)	4032248943609
Qty.	21 pc(s).
Packaging	Box

Creation date March 5, 2012 6:27:43 AM CET

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Technical data
System parameters

Product family	BU/SU 10.16 series	Conductor connection system	Clamping yoke connection
Outgoing direction of conductor	180°	Pitch in mm (P)	10.16 mm
Pitch in inches (P)	0.4 inch	No. of poles	3
Number of rows	1	Screwdriver blade	1.0 x 5.5
Screwdriver blade standard	DIN 5264	Tightening torque, min.	1.2 Nm
Tightening torque, max.	1.5 Nm	Clamping screw	M 4
Stripping length	12 mm	L1 in mm	20.32 mm
L1 in inches	0.8 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	Flammability class UL 94	V-0
CTI	≥ 600	Contact material	Copper alloy
Contact surface	tinned	Continuous operating temp., min.	-25 °C
Continuous operating temp., max.	130 °C		

Connectable conductors

Clamping range, rated connection, min.	0.2 mm ²	Clamping range, rated connection, max.	16 mm ²
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section AWG, max.	AWG 6
Solid, min. H05(07) V-U	0.2 mm ²	Solid, max. H05(07) V-U	16 mm ²
Stranded, max. H07V-R	16 mm ²	Stranded, min. H07V-R	6 mm ²
Flexible, min. H05(07) V-K	0.5 mm ²	Flexible, max. H05(07) V-K	16 mm ²
w. wire end ferrule, DIN 46228 pt 1, min	0.25 mm ²	w. wire end ferrule, DIN 46228 pt 1, max.	16 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.25 mm ²	w. plastic collar ferrule, DIN 46228 pt 4, max.	10 mm ²
Plug gauge acc. to EN 60999 a x b; ø	5.3mm (B6)		

DIN IEC rating data

Rated current, min. no. of poles (Tu=20°C)	78 A	Rated current, max. no. of poles (Tu=20°C)	68 A
Rated current, number of poles (Tu=40°C), min	72 A	Rated current, number of poles (Tu=40°C), max.	61 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	1,000 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 mit 1000 A		

CSA rating data

Rated voltage (Use group B)	300 V	Rated current (use group B)	54 A
Rated voltage (Use group C)	600 V	Rated current (use group C)	54 A
Rated voltage (use group D)	600 V	Rated current (use group D)	5 A
Wire cross-section, AWG, min.	AWG 22	Wire cross-section, AWG, max.	AWG 6

UL 1059 rating data

Rated voltage (use group B)	300 V	Rated current (use group B)	54 A
Rated voltage (use group C)	600 V	Rated current (use group C)	54 A
Rated voltage (use group D)	600 V	Rated current (use group D)	5 A
Wire cross-section, AWG, min.	AWG 22	Wire cross-section, AWG, max.	AWG 6

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Technical data
Classifications

ETIM 3.0	EC001284	ETIM 4.0	EC002637
eClass 6.0	27-26-07-04	eClass 7.0	27440402

Notes

- Notes
- Additional colours on request
 - Rated current related to rated cross-section and 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 drg. = 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



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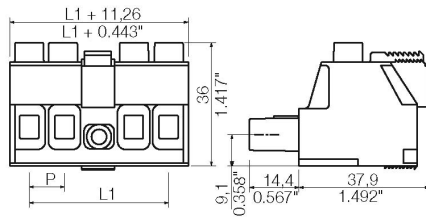
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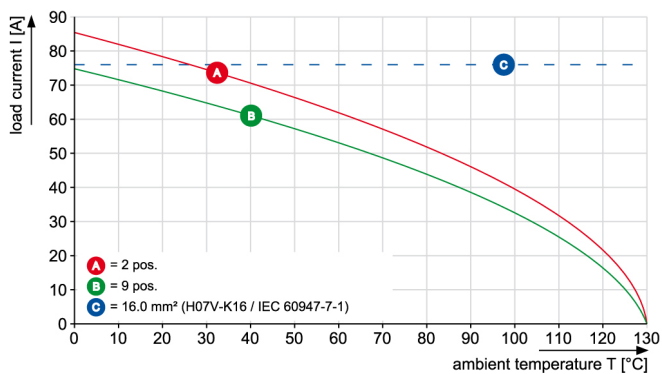
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Drawings


BUZ 10.16HP/./180 - SU 10.16HP/./90



BUZ 10.16HP/./180 - SU 10.16HP/./180

