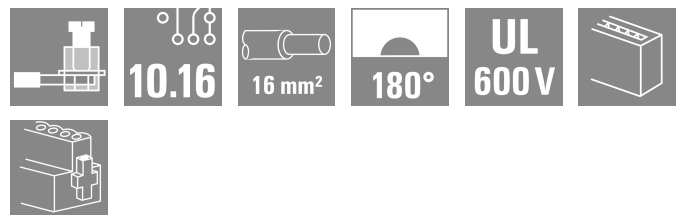


BUZ 10.16IT/04/180MF4 AG BK BX SO

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

www.weidmueller.com



180° female plug with 10.16 pitch for IT power networks. Meets the requirements of UL1059 600 V class C. In combination with male header SU 10.16 IT with leading contact.

Meets the extended requirements on 5.5 mm touch safety for IT power networks as per IEC 61800-5-1 for 400 V to earth.

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

Also optionally available without middle flange interlock.

General ordering data

Version	PCB plug-in connector, female plug, 10.16 mm, Number of poles: 4, 180°, Clamping yoke connection, Box
Order No.	2932610000
Type	BUZ 10.16IT/04/180MF4 AG BK BX SO
GTIN (EAN)	4099986673052
Qty.	18 items
Product data	IEC: 1000 V / 0.2 - 16 mm ² UL:
Packaging	Box

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Technical data

Dimensions and weights

Depth	52.3 mm	Depth (inches)	2.0591 inch
Height	36 mm	Height (inches)	1.4173 inch
Width	51.9 mm	Width (inches)	2.0433 inch
Net weight	56.7 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 BU/SU 10.16IT	Wire connection method	Clamping yoke connection
Pitch in mm (P)	10.16 mm	Conductor outlet direction	180°
Number of poles	4	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	Copper alloy
Contact surface	silver-plated	Operating temperature, min.	-50 °C
Operating temperature, max.	130 °C		

Conductors suitable for connection

Solid, min. H05(07) V-U	0.2 mm ²	Solid, max. H05(07) V-U	16 mm ²
Stranded, min. H07V-R	6 mm ²	Stranded, max. H07V-R	16 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
Reference text	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 (T _u =20°C)	67.9 A	Rated current, min. number of poles (T _u =40°C)	70.6 A
Rated voltage for surge voltage class / pollution degree II/2	1000 V	Rated voltage for surge voltage class / pollution degree III/2	1000 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

Packing

Packaging	Box	VPE length	352.00 mm
VPE width	136.00 mm	VPE height	60.00 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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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 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.
- For all applications with flange we recommend to fix the pin header with the help of the soldering flange or a self-tapping screw on the board.
- 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

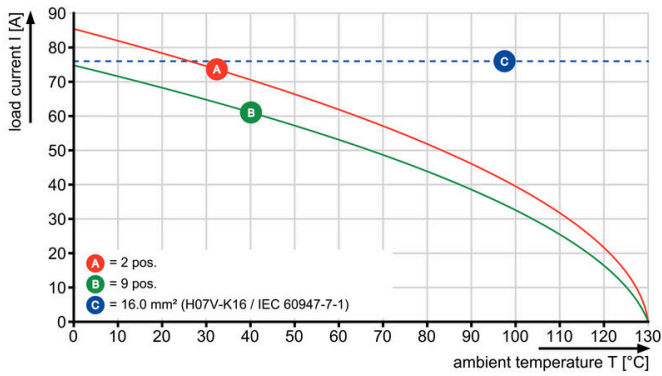
Classifications

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		

Dimensional drawing

Graph

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



Graph

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

