

OMNIMATE Power - series BU/SU 10.16IT SU 10.16IT/03/90MF3 3.5AG BK BX

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Male header with middle solder flange fastening in 10.16 pitch for 400-V IT systems according to IEC 61800-5-1. UL approval in compliance with UL840 (600 V) when using leading PE contact. When used together with the BUZ 10.16 IT, they comply with the expanded requirements for 5.5 mm of touch protection with IT systems (400 V relative to earth), according to IEC 61800-5-1. With its isolated pin tips, the mating profile ensures that more than 1 mm of touch safety is present (also without a socket block) with a finger pressure of 20 N.

The middle-flange interlock feature decreases the space required by one pitch width when compared to other standard solutions.

Available on request with screw flange or without flange.

- 1000 V (IEC) / 300 V (UL)
- 76 A (IEC) / 54 A (UL)
- 600 V is possible with UL 840 device approval

General ordering data

Type	SU 10.16IT/03/90MF3 3.5AG BK BX
Order No.	1156680000
Version	PCB plug-in connector, male header, closed side, Middle flange, Solder connection, 10.16 mm, No. of poles: 3, 90°, Solder pin length (l): 3.5 mm, silver-plated, Black, Box
GTIN (EAN)	4032248943678
Qty.	42 pc(s).
Product data	IEC: 1000 V / 76 A UL: 300 V / 54 A
Packaging	Box

Erstellungs-Datum December 17, 2013 12:48:33 PM CET

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Technische Daten

Dimensions and weights

Net weight 13.9 g

System parameters

Product family	OMNIMATE Power - series BU/SU 10.16IT	Mounting onto the PCB	Solder connection
Outgoing elbow	90°	Pitch in mm (P)	10.16 mm
Pitch in inches (P)	0.4 inch	No. of poles	3
Solder pin length (l)	3.5 mm	Pin dimensions	1.2 x 1.1 mm
Can be coded	Yes	Number of solder pins per pole	3
Solder eyelet hole diameter (D)	1.6 mm	Solder eyelet hole diameter tolerance (D)+	0,1 mm
L1 in mm	30.48 mm	L1 in inches	1.2 inch
Insulation resistance	> 10 ¹⁰ Ω	Touch-safe protection acc. to DIN VDE 0470	IP20 plugged
Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch, plugged		


Material data

Insulating material	PA GF	Colour	Black
Insulating material group	I	UL 94 flammability rating	V-0
CTI	≥ 600	Contact material	Cu-Leg
Contact surface	silver-plated		

DIN IEC rating data

Rated current, min. no. of poles (TU=20°C)	76 A	Rated current, number of poles (UL=40°C), min	72 A
Rated voltage for surge voltage class pollution degree III/3	690 V	Rated impulse voltage for surge voltage classcontamination degree III/3	8 kV
Rated voltage for surge voltage class pollution degree III/2	1,000 V	Rated impulse voltage for surge voltage classpollution degree III/2	8 kV
Rated voltage for surge voltage class pollution degree II/2	1,000 V	Rated impulse voltage for surge voltage classpollution degree II/2	6 kV
Short-time withstand current resistance	3 x 1s mit 1000 A		

CSA rating data

Institute (CSA)		Rated voltage (Use group B)	300 V
Rated current (use group B)	54 A	Rated voltage (Use group C)	300 V
Rated current (use group C)	54 A	Rated voltage (use group D)	600 V
Rated current (use group D)	5 A		

UL 1059 rating data

Rated voltage (use group B)	300 V	Rated current (use group B)	54 A
Rated voltage (use group C)	300 V	Rated current (use group C)	54 A
Rated voltage (use group D)	600 V	Rated current (use group D)	5 A

Datenblatt

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Classifications

ETIM 3.0	EC001284	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

Datenblatt

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Zeichnungen

