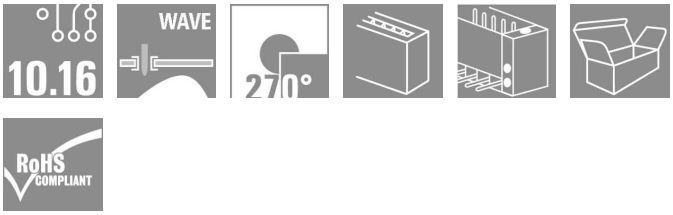
OMNIMATE Power - series BU/SU 10.16HP
SU 10.16HP/05/270SF 3.5AG BK BX

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com





Single-row, high-performance male connector, for side-by-side mounting without losing any poles or with patented flange for fast fixing without tools. Maximum connection and operating reliability thanks to pin arrangement that prevents wrong connections, unique coding diversity and additional fixing in flange. 3.5 mm pin length is optimised for wave soldering, plug-in direction 270° to solder pins.

- 1000 V (IEC) / 600 V (UL)
- 76 A (IEC) / 54 A (UL)

General ordering data

Type	SU 10.16HP/05/270SF 3.5AG BK BX
Order No.	1851150000
Version	PCB plug-in connector, male header, Screw/clip-on flange, Solder connection, 10.16 mm, No. of poles: 5, 270°, Solder pin length (l): 3.5 mm, silver-plated, Black, Box
GTIN (EAN)	4032248382118
Qty.	20 pc(s).
Product data	IEC: 1000 V / 76 A UL: 300 V / 54 A
Packaging	Box

Erstellungs-Datum January 16, 2014 8:09:16 AM CET

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Technische Daten

Dimensions and weights

Net weight	28.35 g

System parameters

Product family	OMNIMATE Power - series BU/SU 10.16HP	Mounting onto the PCB	Solder connection
Outgoing elbow	270°	Pitch in mm (P)	10.16 mm
Pitch in inches (P)	0.4 inch	No. of poles	5
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	40.64 mm	L1 in inches	1.6 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	PBT GF	Colour	Black
Insulating material group	IIIa	UL 94 flammability rating	V-0
CTI	≥ 200	Contact material	Cu-Leg
Contact surface	silver-plated	Max. relative humidity during storage	80 %

DIN IEC rating data

Rated current, min. no. of poles (TU=20°C)	76 A	Rated current, number of poles (Tu=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

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

Classifications

ETIM 3.0	EC001284	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		

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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

Downloads

CAD Library (P-CAD Format - ASCII)	SU.zip
CAD Library (P-CAD Format - Standard)	SU.zip

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Zeichnungen

