

MPS 6/02 S LF TN B B

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

www.weidmuller.com

Product image**SNAP IN** **General ordering data**

Version	, female plug, Pitch in mm (P): 6.35 mm, Number of poles: 2, 180°, Box
Order No.	3106860000
Type	MPS 6/02 S LF TN B B
GTIN (EAN)	4099987171137
Qty.	96 items
Product data	IEC: 1000 V / 40.3 A / 0.75 - 6 mm ² UL: 600 V / 30 A / AWG 20 - AWG 10
Packaging	Box

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Technical data

Dimensions and weights

Depth	43 mm	Depth (inches)	1.6929 inch
Height	20.5 mm	Height (inches)	0.8071 inch
Width	20.15 mm	Width (inches)	0.7933 inch
Net weight	0 g		

Material data

Insulating material	PBT GF	Colour	black
Colour chart (similar)	RAL 9011	Insulating material group	I
Comparative Tracking Index (CTI)	≥ 600	Moisture Level (MSL)	
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	tinned	Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	125 °C		

Conductors suitable for connection

Clamping range, min.	0.5 mm ²	Clamping range, max.	4 mm ²
Solid, min. H05(07) V-U	0.75 mm ²	Solid, max. H05(07) V-U	4 mm ²
Flexible, min. H05(07) V-K	0.75 mm ²	Flexible, max. H05(07) V-K	6 mm ²
w. plastic collar ferrule, DIN 46228 pt 4, 0.5 mm ² min.		w. plastic collar ferrule, DIN 46228 pt 4, 4 mm ² max.	
w. wire end ferrule, DIN 46228 pt 1, 0.75 mm ² min.		w. wire end ferrule, DIN 46228 pt 1, 4 mm ² max.	

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	40.3 A
Rated current, max. number of poles (Tu=20°C)	40.4 A	Rated current, min. number of poles (Tu=40°C)	36.3 A
Rated current, max. number of poles (Tu=40°C)	36.3 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 voltage for surge voltage class / pollution degree III/3	800 V
Rated impulse voltage for surge voltage class/ pollution degree II/2	8 V	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		

Rated data acc. to UL 1059

Rated voltage (Use group B / UL 1059)	600 V	Rated voltage (Use group C / UL 1059)	600 V
Rated voltage (Use group D / UL 1059)	600 V	Rated voltage (Use group F / UL 1059)	1000 V
Rated current (Use group B / UL 1059)	30 A	Rated current (Use group C / UL 1059)	30 A
Rated current (Use group D / UL 1059)	5 A	Wire cross-section, AWG, min.	AWG 20
Wire cross-section, AWG, max.	AWG 10		

Important note

Notes	<ul style="list-style-type: none"> Rated current related to rated cross-section & min. No. of poles. 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. Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months
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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		

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Drawings

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Product image

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