

**MPS 6/08 S TN B B**

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

www.weidmueller.com

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

Version	PCB plug-in connector, female plug, Pitch in mm (P): 6.35 mm, Number of poles: 8, 180°, Box
Order No.	<a href="#">8000168138</a>
Type	MPS 6/08 S TN B B
GTIN (EAN)	4099987793148
Qty.	36 items
Product data	IEC: 1000 V / 40.3 A / 0.75 - 6 mm <sup>2</sup> 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	53.6 mm	Width (inches)	2.1102 inch
Net weight	40.97 g		

## Material data

Insulating material	PBT GF	Colour	black
Colour of operational elements	orange	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 <sup>2</sup>	Clamping range, max.	4 mm <sup>2</sup>
Solid, min. H05(07) V-U	0.75 mm <sup>2</sup>	Solid, max. H05(07) V-U	4 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.75 mm <sup>2</sup>	Flexible, max. H05(07) V-K	6 mm <sup>2</sup>
w. plastic collar ferrule, DIN 46228 pt 4, 0.5 mm <sup>2</sup> min.		w. plastic collar ferrule, DIN 46228 pt 4, 4 mm <sup>2</sup> max.	
w. wire end ferrule, DIN 46228 pt 1, 0.75 mm <sup>2</sup> min.		w. wire end ferrule, DIN 46228 pt 1, 4 mm <sup>2</sup> 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"> <li>Rated current related to rated cross-section &amp; min. No. of poles.</li> <li>P on drawing = pitch</li> <li>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.</li> <li>Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months</li> </ul>
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## Technical data

### 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

Product image

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Dimensional drawing

