Data sheet

MPS 3/16 S TN B B

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

www.weidmueller.com





General ordering data

Version	PCB plug-in connector, female plug, Pitch in mm (P): 3.50 mm, Number of poles: 16, 180°, Box
Order No.	8000179399
Type	MPS 3/16 S TN B B
Qty.	
Product data	IEC: 320 V / 15 A / 0.34 - 1.5 mm² UL: 300 V / 8 A
Packaging	Box

Data sheet

MPS 3/16 S TN B B

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

www.weidmueller.com

Technical data

Dimensions and weights

Depth	20.9 mm	Depth (inches)	0.8228 inch
Height	10 mm	Height (inches)	0.3937 inch
Width	57.5 mm	Width (inches)	2.2638 inch

Temperatures

Ambient temperature	-50 °C...125 °C

Material data

Insulating material	PA 9T	Colour	black
Colour of operational elements	green	Colour chart (similar)	RAL 9011
Insulating material group	I	Comparative Tracking Index (CTI)	≥ 600
Moisture Level (MSL)	1	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

Conductor cross-section (rated connection), min.	0.34 mm²	Conductor cross-section (rated connection), max.	1.5 mm²
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section AWG, max.	AWG 14
Solid, min. H05(07) V-U	0.34 mm²	Solid, max. H05(07) V-U	1.5 mm²
Flexible, min. H05(07) V-K	0.34 mm²	Flexible, max. H05(07) V-K	1.5 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	0.34 mm²	w. plastic collar ferrule, DIN 46228 pt 4, max.	1 mm²
w. wire end ferrule, DIN 46228 pt 1, min.	0.34 mm²	w. wire end ferrule, DIN 46228 pt 1, max.	1.5 mm²
Outer diameter (insulation), max.	4.00 mm		

Rated data acc. to IEC

Rated current at min. number of poles (Tu = 20 °C)	15 A	Rated current, max. number of poles (Tu=20°C)	12 A
Rated current, min. number of poles (Tu=40°C)	13 A	Rated current at max. number of poles (Tu = 40 °C)	11 A
Rated voltage for surge voltage class (pollution degree II/2)	320 V	Rated voltage for surge voltage class (pollution degree III/2)	160 V
Rated voltage for surge voltage class (pollution degree III/3)	160 V	Rated impulse voltage for surge voltage class (pollution degree II/2)	320 V
Rated impulse voltage for surge voltage class (pollution degree III/2)	2.5 kV	Rated impulse voltage for surge voltage class (contamination degree III/3)	2.5 kV

Rated data acc. to UL 1059

Rated voltage (Use group B / UL 1059)	300 V	Rated voltage (Use group C / UL 1059)	50 V
Rated voltage (Use group D / UL 1059)	300 V	Rated voltage (Use group F / UL 1059)	320 V
Rated current (Use group B / UL 1059)	8 A	Rated current (Use group C / UL 1059)	8 A
Rated current (Use group D / UL 1059)	8 A	Rated current (Use group F / UL 1059)	8 A

Important note

Notes	• Rated current related to rated cross-section & min. No. of poles. • P on drawing = pitch

MPS 3/16 S TN B B

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

www.weidmueller.com

Technical data

- 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.
- 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		

MPS 3/16 S TN B B

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

www.weidmueller.com

Drawings

