Data sheet

MPS 16/04 S M3 AG B B

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

www.weidmueller.com

Product image





General ordering data

Version	PCB plug-in connector, female plug, Pitch in mm (P): 10.16 mm, Number of poles: 4, 180°, Box
Order No.	3180430000
Type	MPS 16/04 S M3 AG B B
Qty.	
Product data	IEC: 1000 V / 76 A / 4 - 25 mm² UL: 600 V / 60 A
Packaging	Box

Data sheet

MPS 16/04 S M3 AG B B

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

www.weidmueller.com

Technical data

Dimensions and weights

Depth	62.7 mm	Depth (inches)	2.4685 inch
Height	37 mm	Height (inches)	1.4567 inch
Width	54.3 mm	Width (inches)	2.1378 inch

Temperatures

Ambient temperature	-50 °C...125 °C

Material data

Insulating material	PA 9T	Colour	black
Colour of operational elements	orange	Colour chart (similar)	RAL 9011
Comparative Tracking Index (CTI)	≤ 600, ≥ 600	Moisture Level (MSL)	1
UL 94 flammability rating	V-0	Contact material	Cu-alloy
Contact surface	Ag (silver)	Storage temperature, min.	-40 °C
Storage temperature, max.	70 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	125 °C		

Conductors suitable for connection

Solid, min. H05(07) V-U	4 mm²	Solid, max. H05(07) V-U	16 mm²
Flexible, min. H05(07) V-K	4 mm²	Flexible, max. H05(07) V-K	25 mm²
w. plastic collar ferrule, DIN 46228 pt 4, min.	16 mm²	w. plastic collar ferrule, DIN 46228 pt 4, max.	4 mm²
w. wire end ferrule, DIN 46228 pt 1, min.	16 mm²	w. wire end ferrule, DIN 46228 pt 1, max.	4 mm²

Rated data acc. to IEC

Rated current at min. number of poles (Tu = 20 °C)	76 A	Rated current, max. number of poles (Tu=20°C)	71 A
Rated current, min. number of poles (Tu=40°C)	70 A	Rated current at max. number of poles (Tu = 40 °C)	62 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)	1000 V	Rated impulse voltage for surge voltage class (pollution degree II/2)	8 kV
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
Short-time withstand current resistance	3 x 1s with 800A		

Rated data acc. to UL 1059

Rated voltage for surge voltage class (Use group F / UL 1059 / pollution degree III/2)	1000 V	Rated voltage for surge voltage class (Use group F / UL 1059 / pollution degree III/3)	1000 V
Rated voltage for surge voltage class (Use group F / UL 1059 / pollution degree II/2)	1000 V	Rated voltage (Use group B / UL 1059)	600 V
Rated voltage (Use group C / UL 1059)	600 V	Rated current (Use group B / UL 1059)	60 A
Rated current (Use group C / UL 1059)	60 A	Rated current (Use group F / UL 1059)	60 A

Important note

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

MPS 16/04 S M3 AG 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 16/04 S M3 AG B B

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

www.weidmueller.com

Drawings

Product image

