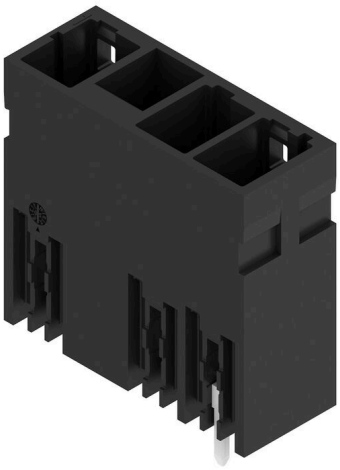
Data sheet

MHS 6/03 V M2 T3 B T

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

www.weidmueller.com

Product image





General ordering data

Version	PCB plug-in connector, male header, THT/THR solder connection, Pitch in mm (P): 6.35 mm, 180°, Tube
Order No.	3160370000
Type	MHS 6/03 V M2 T3 B T
GTIN (EAN)	4099987676625
Qty.	18 items
Product data	IEC: 1000 V / 47.2 A UL: / 26.5 A
Packaging	Tube

Data sheet

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Technical data

Dimensions and weights

Depth	10.2 mm	Depth (inches)	0.4016 inch
Height	28.2 mm	Height (inches)	1.1102 inch
Height of lowest version	25 mm	Net weight	0 g

Temperatures

Ambient temperature	-50 °C...120 °C

System specifications

Product family	OMNIMATE 4.0	Type of connection	Board connection
Mounting onto the PCB	THT/THR solder connection	Pitch in mm (P)	6.35 mm
Pitch in inches (P)	0.250 "	Outgoing elbow	180°
Solder pin length (l)	3.2 mm	Solder pin dimensions	1.2 x 1.0 mm
Solder eyelet hole diameter (D)	1.7 mm	Number of rows	1
Pin series quantity	1	Touch-safe protection acc. to DIN VDE 57 106	Safe from finger touch
Touch-safe protection acc. to DIN VDE 0470	IP 20	Protection degree	IP20
Volume resistance	≤5 mΩ	Plugging cycles	≥ 25
Plugging force per pole, max.	12 N	Pulling force per pole, max.	10 N

Material data

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

Rated data acc. to IEC

Rated current at min. number of poles (Tu = 20 °C)	47.2 A	Rated current, max. number of poles (Tu=20°C)	41 A
Rated current, min. number of poles (Tu=40°C)	42.5 A	Rated current at max. number of poles (Tu = 40 °C)	36.8 A
Rated voltage for surge voltage class (pollution degree II/2)	1000 V	Rated voltage for surge voltage class (pollution degree III/2)	800 V
Rated voltage for surge voltage class (pollution degree III/3)	630 V	Rated impulse voltage for surge voltage class (pollution degree II/2)	6 V
Rated impulse voltage for surge voltage class (pollution degree III/2)	6 kV	Rated impulse voltage for surge voltage class (contamination degree III/3)	6 kV
Creepage distance, min.	9.6 mm	Clearance, min.	6.7 mm

Rated data acc. to UL 1059

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)	26.5 A	Rated current (Use group D / UL 1059)	5 A

Important note

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

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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.
- Long term storage of the product with average temperature of 50 °C and maximum humidity 70%, 36 months

Classifications

ETIM 8.0	EC002637	ETIM 9.0	EC002637
ETIM 10.0	EC002637	ECLASS 14.0	27-46-02-01
ECLASS 15.0	27-46-02-01		

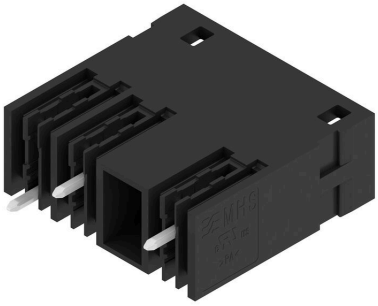
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Drawings

Product image



Dimensional drawing

