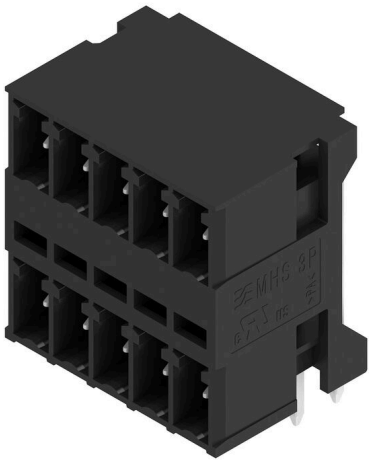
Data sheet

MHS 3P/10 H T3 B B

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

www.weidmueller.com





General ordering data

Version	PCB plug-in connector, male header, THT/THR solder connection, Pitch in mm (P): 3.50 mm, Number of poles: 10, 90°, Box
Order No.	8000166109
Type	MHS 3P/10 H T3 B B
GTIN (EAN)	4099987661256
Qty.	1 items
Product data	IEC: 320 V / 10 A UL: / 8 A
Packaging	Box

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Technical data

Dimensions and weights

Depth	13.3 mm	Depth (inches)	0.5236 inch
Height	22.2 mm	Height (inches)	0.874 inch
Height of lowest version	19 mm	Width	18.5 mm
Width (inches)	0.7283 inch	Net weight	0.69 g

Temperatures

Ambient temperature	-50 °C...125 °C

Material data

Insulating material	PA 9T	Colour	black
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 base material	CuMg
Contact material	Cu-alloy	Contact surface	tinned
Tinning type	matt	Storage temperature, min.	-25 °C
Storage temperature, max.	55 °C	Operating temperature, min.	-50 °C
Operating temperature, max.	125 °C		

Rated data acc. to IEC

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current at min. number of poles (Tu = 20 °C)	10 A
Rated current, max. number of poles (Tu=20°C)	8 A	Rated current, min. number of poles (Tu=40°C)	9 A
Rated current at max. number of poles (Tu = 40 °C)	7 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)	2.5 kV	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 for surge voltage class (Use group F / UL 1059 / pollution degree III/2)	160 V	Rated voltage for surge voltage class (Use group F / UL 1059 / pollution degree III/3)	300 V
Rated voltage (Use group C / UL 1059)	50 V	Rated voltage (Use group D / UL 1059)	150 V
Rated voltage (Use group F / UL 1059)	160 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 • 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

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Technical data

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

