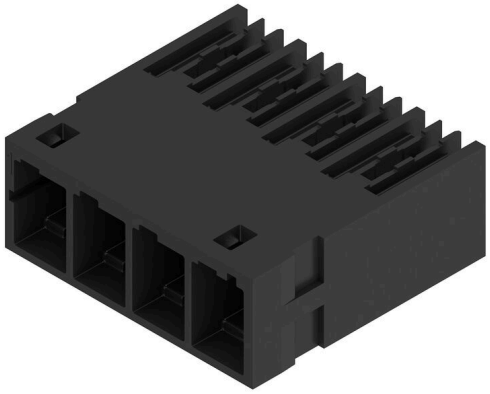
Data sheet

MHS 6/04 H T3 B T C2

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

www.weidmueller.com

Similar to illustration





General ordering data

Version	PCB plug-in connector, male header, THT/THR solder connection, Pitch in mm (P): 6.35 mm, Number of poles: 4, 90°, Tube
Order No.	3160590000
Type	MHS 6/04 H T3 B T C2
GTIN (EAN)	4099987676847
Qty.	15 items
Product data	IEC: 1000 V / 47.2 A UL: 300 V / 26.5 A
Packaging	Tube

Data sheet

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Technical data

Dimensions and weights

Depth	25 mm	Depth (inches)	0.9842 inch
Height	13.4 mm	Height (inches)	0.5276 inch
Height of lowest version	25 mm	Width	32.95 mm
Width (inches)	1.2972 inch	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	90°
Number of poles	4	Number of solder pins per pole	1
Solder pin length (l)	3.2 mm	Solder pin dimensions	1.2 x 1.0 mm
Solder eyelet hole diameter (D)	1.7 mm	L1 in mm	19.05 mm
L1 in inches	0.750 "	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 B / UL 1059)	300 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)	26.5 A
Rated current (Use group D / UL 1059)	5 A		

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Technical data

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. • 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		

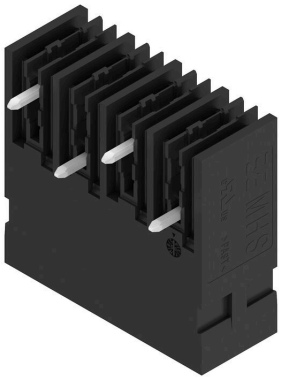
MHS 6/04 H T3 B T C2

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Drawings

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Dimensional drawing

