

MHS 6/09 V 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, Number of poles: 9, 180°, Tube
Order No.	3106960000
Type	MHS 6/09 V T3 B T
GTIN (EAN)	4099987171236
Qty.	8 items
Product data	IEC: 1000 V / 32 A UL: 300 V / 30 A
Packaging	Tube

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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	Width	58.35 mm
Width (inches)	2.2972 inch	Net weight	24.65 g

Temperatures

Ambient temperature	-50 °C...120 °C
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Environmental Product Compliance

RoHS Compliance Status	Compliant without exemption
REACH SVHC	No SVHC above 0.1 wt%

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°
Number of poles	9	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	Solder eyelet hole diameter tolerance (D)+	0,1 mm
Outside diameter of solder pad	2.6 mm	Template aperture diameter	2.4 mm
L1 in mm	50.80 mm	L1 in inches	2.000 "
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/pole, max.	12 N
Pulling force/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	Tinning type	matt
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

tested acc. to standard	IEC 60664-1, IEC 61984	Rated current, min. number of poles (Tu=20°C)	32 A
Rated current, max. number of poles (Tu=20°C)	32 A	Rated current, min. number of poles (Tu=40°C)	32 A
Rated current, max. number of poles (Tu=40°C)	32 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 kV	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.	4 mm

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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)	30 A
Rated current (Use group D / UL 1059)	5 A	Creepage distance, min.	4 mm
Clearance distance, min.	5.5 mm		

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		

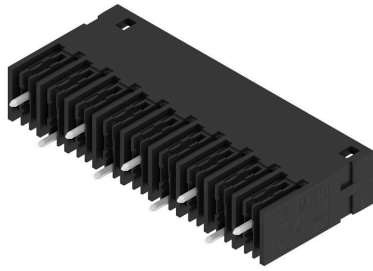
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Drawings

Product image



Dimensional drawing

