

MHS 6**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

The narrow gauge solution for a wide application spectrum:

MICROBOX sets new standards in modern housing technology. The closed housing offers high functionality in a width of just 6.1 mm.

Maximum performance, minimum width:

- 6 easy to use clamping points in 2 connection systems
- Clamping yoke connection for conductors up to 2.5mm²
- Tension clamp connection for conductors up to 1.5mm²
- Vibration-resistant contacts
- Vibration-free terminal rail mounting
- Enclosure wall clipped on securely

Miniaturisation with the MICROBOX: high component density is possible due to the narrow design.

MICROBOX helps developers to fulfil demanding market requirements for ever shrinking dimensions by optimising space utilisation.

General ordering data

Version	Mounting rail housing, OMNIMATE Housing - MICROBOX Pebble grey, Complete enclosure, Connection technology, Width: 6.1 mm
Order No.	1925740000
Type	MHS 6
GTIN (EAN)	4032248567935
Qty.	10 items

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Technical data

Approvals

ROHS	Conform
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Dimensions and weights

Depth	88.1 mm	Depth (inches)	3.4685 inch
Height	97.8 mm	Height (inches)	3.8504 inch
Width	6.1 mm	Width (inches)	0.2402 inch
Length	0 mm	Net weight	33.1 g

Environmental Product Compliance

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

Rated data acc. to IEC

Rated current, max. number of poles (Tu=20°C)	10 A	Rated current, max. number of poles (Tu=40°C)	10 A
Rated voltage for surge voltage class / pollution degree II/2	400 V	Rated voltage for surge voltage class / pollution degree III/2	320 V
Rated voltage for surge voltage class / pollution degree III/3	250 V	Rated impulse voltage for surge voltage class/ pollution degree II/2	4 kV
Rated impulse voltage for surge voltage class/ pollution degree III/2	4 kV	Rated impulse voltage for surge voltage class/ contamination degree III/3	4 kV

Material data

UL 94 flammability rating	V-0	Insulating material	Wemid (PA)
Insulating material group	IIIa	Surface finish	untreated
Basic material	PA 66/6		

General data

Colour	Pebble grey	Protection degree	IP20
Colour chart (similar)	RAL 7032	Encapsulation option	Yes

Design - IN requirements

Tolerance for the PCB shape	±0.1 mm	PCB thickness	1 mm
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Assembly properties

Number of connection levels	3	Number of PCBs, max.	1
Number of ventilation openings	0	Continuous current of cross-connection	10 A
Continuous current of cross-connection/ 32 A PCB		Cross-connection	Yes
Type of contact to PCB	Solder connection, direct	Type of connection	Clamping yoke connection

Housing properties

Flip cover mountable	No	Marker integrateable	Yes
Cut out as preparation for functional portNo integrated		Continuous current of cross-connection	10 A
Cross-connection	Yes	Number of connection levels	3

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Connectable conducteurs

Clamping range, min.	0.13 mm ²	Clamping range, max.	4 mm ²
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 12
Solid, min. H05(07) V-U	0.5 mm ²	Solid, max. H05(07) V-U	4 mm ²
Flexible, min. H05(07) V-K	0.5 mm ²	Max. clamping range	4 mm ²

Classifications

ETIM 8.0	EC001031	ETIM 9.0	EC001031
ETIM 10.0	EC001031	ECLASS 14.0	27-19-01-01
ECLASS 15.0	27-19-01-01		

Drawings

