

## MHS 6

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 2.5mm<sup>2</sup>
- Tension clamp connection for conductors up to 1.5mm<sup>2</sup>
- 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	Small housing, OMNIMATE Housing - MICROBOX Pebble grey, Width: 6.1 mm
Order No.	<a href="#">1925740000</a>
Type	MHS 6
GTIN (EAN)	4032248567935
Qty.	10 pc(s).

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## Technical data

## Dimensions and weights

Height	97.8 mm	Height (inches)	3.85 inch
Length	88 mm	Length (inches)	3.465 inch
Net weight	33.1 g	Width	6.1 mm
Width (inches)	0.24 inch		

## 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

## Design - IN requirements

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

Number of connection levels	3	Continuous current of cross-connection	10 A
Continuous current of cross-connection/ PCB	32 A	Cross-connection	Yes
Type of contact to PCB	Solder connection, direct	Type of connection	Clamping yoke connection

## Connectable conducteurs

Clamping range, min.	0.13 mm <sup>2</sup>	Clamping range, max.	4 mm <sup>2</sup>
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 <sup>2</sup>	Solid, max. H05(07) V-U	4 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>	Max. clamping range	4 mm <sup>2</sup>

## General data

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

## Material data

Comparative Tracking Index (CTI)	≥ 600	Insulating material	Wemid (PA)
Insulating material group	IIIa	UL 94 flammability rating	V-0

## Classifications

ETIM 6.0	EC001031	ETIM 7.0	EC001031
ECLASS 9.0	27-18-27-02	ECLASS 9.1	27-18-27-92
ECLASS 10.0	27-18-27-02	ECLASS 11.0	27-18-27-02

## Approvals

ROHS	Conform
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**Data sheet****MHS 6**

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**Technical data****Downloads**

Engineering Data	<a href="#">PCB contour with soldering pads</a> <a href="#">STEP</a>
Technical Documentation	<a href="#">PCB contour drawing</a>

**Data sheet**

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**Drawings**

