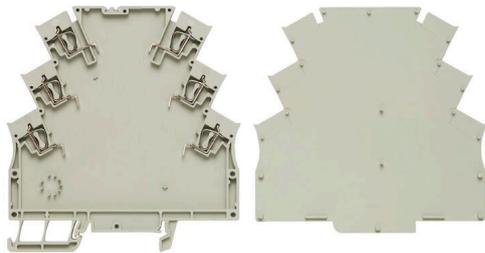


## MHZ 6

**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	Mounting rail housing, OMNIMATE Housing - MICROBOX Pebble grey, Complete enclosure, Connection technology, Width: 6.1 mm
Order No.	<a href="#">1925760000</a>
Type	MHZ 6
GTIN (EAN)	4032248567973
Qty.	10 items

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## Technical data

## Approvals

ROHS	Conform
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## Dimensions and weights

Depth	92.4 mm	Depth (inches)	3.6378 inch
Height	97.8 mm	Height (inches)	3.8504 inch
Width	6.1 mm	Width (inches)	0.2402 inch
Length	0 mm	Net weight	30.3 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
Mounting rail	TS 35	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	Tension-clamp 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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## Technical data

### Connectable conducteurs

Clamping range, min.	0.13 mm <sup>2</sup>	Clamping range, max.	2.5 mm <sup>2</sup>
Wire connection cross section AWG, min.	AWG 26	Wire connection cross section AWG, max.	AWG 14
Solid, min. H05(07) V-U	0.5 mm <sup>2</sup>	Solid, max. H05(07) V-U	2.5 mm <sup>2</sup>
Flexible, min. H05(07) V-K	0.5 mm <sup>2</sup>	Max. clamping range	2.5 mm <sup>2</sup>

### 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		

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**Drawings**

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