

MHZ 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.	1925760000
Type	MHZ 6
GTIN (EAN)	4032248567973
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Depth	92.4 mm	Depth (inches)	3.638 inch
Height	97.8 mm	Height (inches)	3.85 inch
Width	6.1 mm	Width (inches)	0.24 inch
Length	0 mm	Net weight	30.3 g

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

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

General data

Colour	Pebble grey	Colour chart (similar)	RAL 7032
Encapsulation option	Yes	Protection degree	IP20
Rail	TS 35		

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	Number of PCBs, max.	1
Number of ventilation openings	0	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	Tension-clamp connection

Housing properties

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

Connectable conducteurs

Clamping range, min.	0.13 mm ²	Clamping range, max.	2.5 mm ²
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 ²	Solid, max. H05(07) V-U	2.5 mm ²
Flexible, min. H05(07) V-K	0.5 mm ²	Max. clamping range	2.5 mm ²

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Technical data**Classifications**

ETIM 7.0	EC001031	ETIM 8.0	EC001031
ETIM 9.0	EC001031	ETIM 10.0	EC001031
ECLASS 11.0	27-18-27-02	ECLASS 12.0	27-18-27-02
ECLASS 13.0	27-19-05-01	ECLASS 14.0	27-19-01-01
ECLASS 15.0	27-19-01-01		

Environmental Product Compliance

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

Approvals

ROHS	Conform
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Downloads

Engineering Data	CAD data – PCB contour with soldering pads CAD data – STEP
Technical Documentation	PCB contour drawing
Catalogues	Catalogues in PDF-format
Brochures	FL ANALO.SIGN.CONV. EN MB DEVICE MANUF. EN FL MACHINE SAFETY EN FL 72H SAMPLE SER EN PO OMNIMATE EN PO OMNIMATE EN

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Drawings

