

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	Small housing, OMNIMATE Housing - MICROBOX Pebble grey, 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

Height	97.8 mm	Height (inches)	3.85 inch
Width	6.1 mm	Width (inches)	0.24 inch
Length	92 mm	Length (inches)	3.622 inch
Net weight	30.3 g		

Temperatures

Operating temperature, min.	-50 °C	Operating temperature, max.	120 °C
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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	Tension-clamp connection

Connectable conductors

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

General data

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

Material data

Insulating material	Wemid (PA)	Insulating material group	IIIa
UL 94 flammability rating	V-0		

Classifications

ETIM 6.0	EC001031	ETIM 7.0	EC001031
ETIM 8.0	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	ECLASS 12.0	27-18-27-02

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www.weidmueller.com**Technical data****Approvals**

ROHS Conform

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

Data sheet

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Drawings

