

MHZ 6

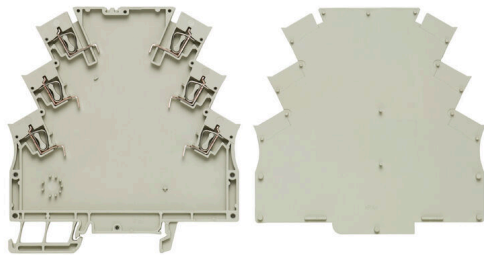
Weidmüller Interface GmbH & Co. KG

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 items |

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Technical data

Approvals

| | |
|------|---------|
| ROHS | Conform |
|------|---------|

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 |
|-----------------------------|---------|---------------|------|

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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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 |

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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