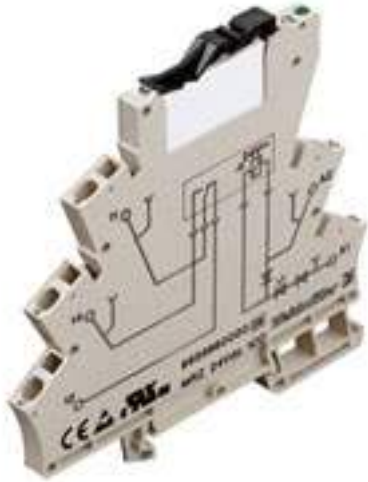


MICROSERIES MRZ 24VDC 1CO

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-2083
 www.weidmueller.com



Relays of the MICROSERIES are used for isolating and coupling digital signals.

They are characterised by the following features:

- modular width 6.1 mm
- Pluggable relay
- Pluggable cross-connection for four voltages in input and output circuits,
- innovative retention and ejection aid,
- LED operating indicator, reverse polarity protection diode, free-wheeling diode

General ordering data

| | |
|------------------|---|
| Order No. | 8533660000 |
| Part designation | MRZ 24VDC 1CO |
| Version | MICROSERIES, Relays, No. of contacts: 1, CO contact, Rated control voltage: 24 V DC $\pm 20\%$, Tension clamp connection |
| GTIN (EAN) | 4032248169757 |
| Qty. | 10 pc(s). |

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Technical data

Dimensions

| | | | |
|--------|-------|-------|--------|
| Length | 94 mm | Width | 6.1 mm |
| Height | 91 mm | | |

Temperature

| | | | |
|-----------------------------------|-----------------|---------------------|-----------------|
| Ambient temperature (operational) | -25 °C...+50 °C | Storage temperature | -40 °C...+60 °C |
|-----------------------------------|-----------------|---------------------|-----------------|

Input

| | | | |
|--|----------------|-----------------------|---------------|
| Rated voltage | 300 V | Rated control voltage | 24 V DC ±20 % |
| Pull-in (sparkover) / drop-out voltage DC coil | 15.4 V / 6.5 V | Rated current DC | 6.6 mA |
| Pull-in / drop-out current, DC coil | 4mA/1.2mA | Power rating | 160 mW |
| Status indicator | Green LED | | |

Output

| | | | |
|--|---------------|----------------------------|---------|
| Continuous current | 6 A | Max. switching current | 6 A |
| Max. switching frequency at rated load | 0.1 Hz | Switch-off delay | 7.5 ms |
| Switch-on delay | 9.3 ms | Switching voltage AC, max. | 250 V |
| making current | 6 A | max. switching capacity | 1500 VA |
| min. switching capacity | 12 V / 100 mA | | |

Contact data

| | | | |
|------------------|------------|-------------------------|---------------------------------------|
| Contact design | CO contact | No. of contacts | 1 |
| Contact material | AgSnO | Mechanical service life | 20 x 10 ⁶ switching cycles |

Rated data

| | | | |
|-----------------------------|---|------------------------|-------|
| Conductor connection system | Tension clamp connection | DIN Rail compatibility | TS 35 |
| Humidity | 40°C / 93% rel. humidity, no condensation | | |

Insulation coordination (EN 50 178)

| | | | |
|--|------------------|--------------------------------------|------------------------------|
| Clearance and creepage distances for control/load side | ≥ 5.5 mm | Dielectric strength to mounting rail | 4 kV _{eff} / 1 min. |
| Impulse withstand voltage | 6 kV (1.2/50 μs) | Overvoltage category | III |
| Pollution severity | 2 | Protection class | IP 20 |
| Protective separation acc. to VDE 0106 part 101 | Yes | Rated voltage | 300 V |

Other technical data

| | | | |
|------------------|-----------|-----------------------------|---------------|
| Free-wheel diode | Yes | Reverse polarity protection | Available |
| Status indicator | Green LED | Version | Relay coupler |

Approvals

| | |
|----------------------|------------------------------------|
| Approvals institutes | CSA; CULUS; CURUS; GOSTME25; CE |
|----------------------|------------------------------------|

Datasheet**MICROSERIES
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Technical data**Classifications**

| | | | |
|------------|-------------|------------|-------------|
| ETIM 2.0 | EC001437 | ETIM 3.0 | EC001437 |
| eClass 5.1 | 27-37-16-01 | eClass 6.0 | 27-37-16-01 |

Notes

Note, technical data Cross-connectors and markers - refer to MICROSERIES accessories

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Drawings

Electric symbol

