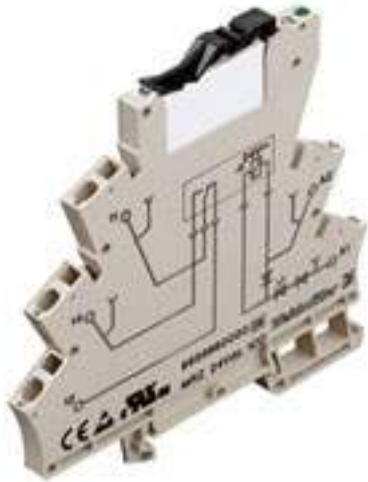


MICROSERIES MRZ 24VDC ACT

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 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. | 8660910000 |
| Type | MRZ 24VDC ACT |
| Version | MICROSERIES, Relays, No. of contacts: 1, NO contact, AgNi, Rated control voltage: 24 V DC $\pm 20\%$, Continuous current: 6 A, Tension clamp connection |
| GTIN (EAN) | 4032248326006 |
| Qty. | 10 pc(s). |

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Technical data**Ratings**

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

Dimensions and weights

| | | | |
|-------|--------|------------|--------|
| Width | 6.1 mm | Height | 94 mm |
| Depth | 94 mm | Net weight | 33.1 g |

Temperatures

| | | | |
|-----------------------|-----------------|---------------------|-----------------|
| Operating temperature | -25 °C...+55 °C | Storage temperature | -40 °C...+60 °C |
|-----------------------|-----------------|---------------------|-----------------|

Connection data

| | | | |
|--|---------------------|--|---------------------|
| Clamping range, rated connection | 1.5 mm ² | Clamping range, rated connection, min. | 0.5 mm ² |
| Clamping range, rated connection, max. | 2.5 mm ² | | |

Input

| | | | |
|-------------------------------------|---------------|--|----------------|
| Rated control voltage | 24 V DC ±20 % | Rated current DC | 6.6 mA |
| Power rating | 160 mW | Pull-in (sparkover) / drop-out voltage DC coil | 16.9 V / 6.5 V |
| Pull-in / drop-out current, DC coil | 4 mA / 1.2 mA | Status indicator | Green LED |

Output

| | | | |
|---|---|--|---------|
| Rated switching voltage | 250 V AC | Max. switching voltage, AC | 250 V |
| Max. switching voltage, DC making current | 250 V / 6 A | Continuous current | 6 A |
| Switch-on delay | 6.6 ms | Max. switching power | 1500 VA |
| Min. switching power | 100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA | Switch-off delay | 5.8 ms |
| | | Max. switching frequency at rated load | 0.1 Hz |

Contact specifications

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

Insulation coordination

| | | | |
|--|------------------------|---|------------------------------|
| Rated voltage | 300 V | Clearance and creepage distances for control side - load side | ≥ 5.5 mm |
| Dielectric strength for control side - load side | 4 kV _{eff} 1s | Dielectric strength to mounting rail | 4 kV _{eff} / 1 min. |
| Impulse withstand voltage | 4 kV (1.2/50 μs) | Protection degree | IP 20 |
| Pollution severity | 2 | Surge voltage category | III |

Other technical data

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

Further details of approvals / standards

| | |
|-----------|--------------|
| Standards | DIN EN 50178 |
|-----------|--------------|

Creation date March 11, 2013 4:50:27 PM CET

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Technical data

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 2.0 | EC001437 | ETIM 3.0 | EC001437 |
| UNSPSC | 30-21-19-17 | eClass 4.1 | 40-02-06-14 |
| eClass 5.1 | 27-37-16-01 | eClass 6.0 | 27-37-16-03 |
| eClass 7.0 | 27-37-16-03 | | |

Approvals

Approvals



Downloads

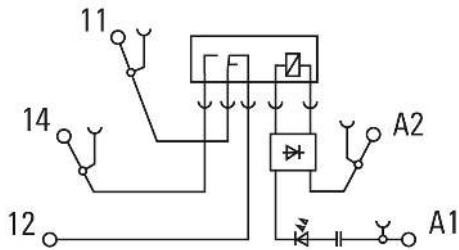
Declaration of Conformity [K205_09_09.pdf](#)
[3-D model](#)

**MICROSERIES
MRZ 24VDC ACT**

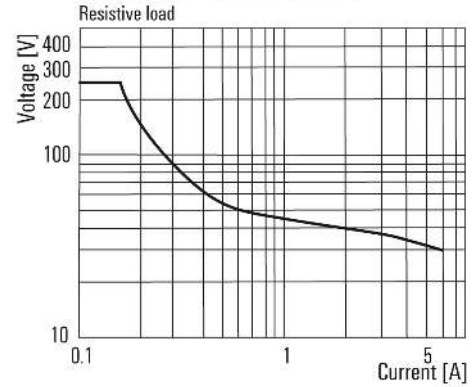
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Drawings

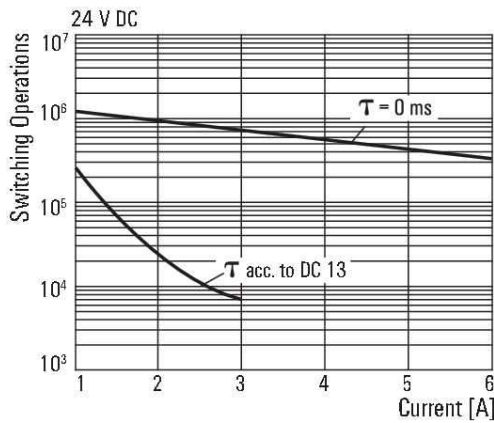
Electric symbol



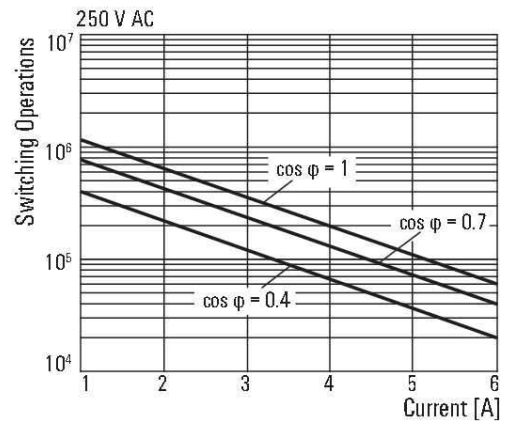
DC load breaking capacity



Electrical endurance



Electrical endurance



Derating curve

