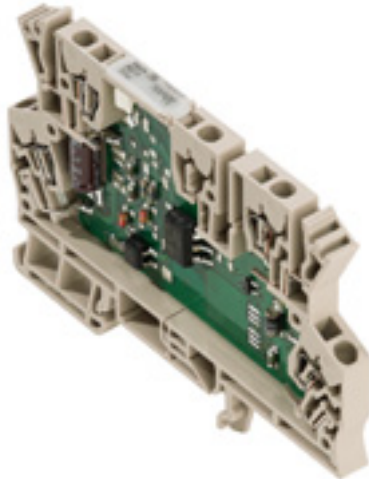


MCZ-SERIES MCZ TO 24VDC/50MS

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



The MCZ TO timing relays, with a width of only 6 mm, are the thinnest in their class.

The MCZ series of timing relays can be used in a wide variety of applications. Their preferred use is for extending pulses in automation engineering.

They are characterised by the following features:

- Tension clamp connection
- Integrated cross-connection in input/output

Clampable conductor cross-section is 0.5 to 1.5 mm².

General ordering data

| | |
|------------------|--|
| Order No. | 8324590000 |
| Part designation | MCZ TO 24VDC/50MS |
| Version | MCZ-SERIES, Relays, No. of contacts: 1, NO contact, Rated control voltage: 24 V DC ±10 %, Tension clamp connection |
| GTIN (EAN) | 4008190985455 |
| Qty. | 10 pc(s). |

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Technical data

Dimensions

| | | | |
|--------|---------|-------|------|
| Length | 91 mm | Width | 6 mm |
| Height | 63.2 mm | | |

Temperature

| | | | |
|-----------------------------------|-----------------|---------------------|-----------------|
| Ambient temperature (operational) | -25 °C...+50 °C | Storage temperature | -40 °C...+85 °C |
|-----------------------------------|-----------------|---------------------|-----------------|

Input

| | | | |
|------------------|--------------|-------------------------------------|---------------|
| Rated voltage | 300 V | Rated control voltage | 24 V DC ±10 % |
| Rated current DC | 6.7 mA ±10 % | Pull-in / drop-out current, DC coil | 160mW ±10% |
| Power rating | 160 mW | Min. pulse duration | 2 ms |
| Time ranges | 0.02 | | |

Output

| | | | |
|--|-------|------------------------|--------|
| Continuous current | 0.1 A | Max. switching current | 20 mA |
| Max. switching frequency at rated load | 20 Hz | Switch-off delay | 50 ms |
| Switching voltage DC, max. | 48 V | making current | 200 mA |

Contact data

| | | | |
|----------------|------------|-----------------|---|
| Contact design | NO contact | No. of contacts | 1 |
|----------------|------------|-----------------|---|

Rated data

| | | | |
|-----------------------------|---|------------------------|---------------------|
| Conductor connection system | Tension clamp connection | DIN Rail compatibility | TS 35 |
| Humidity | 40°C / 93% rel. humidity, no condensation | Solid, max. | 1.5 mm ² |

Insulation coordination (EN 50 178)

| | | | |
|--|----------|--|-------|
| Clearance and creepage distances for control/load side | ≥ 5.5 mm | Dielectric strength for control side - load side | 4 kV |
| Impulse withstand voltage | 6 kV | Overvoltage category | III |
| Pollution severity | 2 | Rated voltage | 300 V |

Other technical data

| | |
|---------|--------------|
| Version | Timing relay |
|---------|--------------|

Approvals

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

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 2.0 | EC001439 | ETIM 3.0 | EC001439 |
| eClass 5.1 | 27-14-23-10 | eClass 6.0 | 27-14-23-10 |

Notes

| | |
|----------------------|-----------------------|
| Note, technical data | For mounting on TS 35 |
|----------------------|-----------------------|