

MCZ SERIES
MCZ TO 24VDC/50MS**Weidmüller Interface GmbH & Co. KG**

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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

Type	MCZ TO 24VDC/50MS
Order No.	8324590000
Version	MCZ SERIES, Relays, No. of contacts: 1, NO contact, Rated control voltage: 24 V DC $\pm 10\%$, Continuous current: 0.1 A, Tension clamp connection
GTIN (EAN)	4008190985455
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Width	6 mm	Height	91 mm
Depth	63.2 mm	Net weight	24 g

Temperatures

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature	-25 °C...+50 °C
Ambient temperature	-25 °C...+50 °C	Storage temperature	-40 °C...+85 °C

Input

Rated control voltage	24 V DC ± 10 %	Rated current DC	6.7 mA ± 10 %
Power rating	160 mW	Pull-in drop-out current, DC coil	160 mW ± 10 %
Status indicator	Green LED	Min. pulse duration	2 ms

Output

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

Contact specifications

No. of contacts	1	Contact design	NO contact
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general data

Wire connection method	Tension clamp connection	Humidity	40 °C / 93 % rel. humidity, no condensation
Ambient temperature	-25 °C...+50 °C	Wire cross-section, solid, max.	1.5 mm ²

Insulation coordination

Creepage and clearance distance input – output	≥ 5.5 mm	Dielectric strength input – output	1.2 kV _{eff} / 5 s
Rated voltage	300 V	Dielectric strength to mounting rail	4 kV _{eff} / 1 min.
Impulse withstand voltage	6 kV (1.2/50 μ s)	Protection degree	IP 30 // terminals IP 20
Pollution severity	2	Surge voltage category	III

Other technical data

Version	Timing relay	Status indicator	Green LED
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Further details of approvals / standards

Standards	UL508
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Connection data

Clamping range, rated connection	1.5 mm ²	Clamping range, rated connection, max.	2.5 mm ²
Clamping range, rated connection, min.	0.5 mm ²	Wire connection cross section AWG, max.	AWG 12
Wire connection cross section AWG, min.	AWG 22	Wire connection cross section, finely stranded, max.	1.5 mm ²
Wire connection method	Tension clamp connection	Wire cross-section, solid, max.	1.5 mm ²

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Technical data**Classifications**

ETIM 2.0	EC001439	ETIM 3.0	EC001439
UNSPSC	30-21-19-17	eClass 4.1	27-14-23-10
eClass 5.1	27-14-23-10	eClass 6.2	27-14-23-10
eClass 7.1	27-14-23-10		

Approvals

Approvals



ROHS

Conform

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