

MCZ-SERIES
MCZ TO 24VDC/50MS

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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

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
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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
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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
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Approvals

Approvals institutes	CSA; CURUS; CE
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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
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