

MCZ SERIES MCZ TO 24VDC/50MS

Weidmüller Interface GmbH & Co. KG
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Product image



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, Pulse stretcher, No. of contacts: 1, NO contact, Rated control voltage: 24 V DC ±10 %, Continuous current: 20 mA, Tension-clamp connection
GTIN (EAN)	4008190985455
Qty.	10 pc(s).

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Technical data**Dimensions and weights**

Width	6.1 mm	Width (inches)	0.24 inch
Height	91 mm	Height (inches)	3.583 inch
Depth	63.2 mm	Depth (inches)	2.488 inch
Net weight	22.4 g		

Temperatures

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

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Rated data UL

Certificate No. (cURus)	E141197
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Input

Rated control voltage	24 V DC \pm 10 %	Rated current DC	6.7 mA \pm 10 %
Power rating	160 mW	Status indicator	Green LED
Protective circuit	Reverse polarity protection	Min. pulse duration	2 ms

Output

Rated switching voltage	5...48 V DC	Max. switching voltage, DC	48 V
Continuous current	20 mA	Inrush current	200 mA
Switch-off delay	50 ms	Max. switching frequency at rated load	5 Hz

Contact data

Contact type	1 NO contact (Transistor)
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General data

Rail	TS 35	Test button	No
Mechanical switch position indicator	No	Open sides	right
Colour	beige		

Insulation coordination

Rated voltage	300 V	Surge voltage category	IV
Pollution severity	2	Dielectric strength, Input/Output	1 kV _{eff} / 1 s
Creepage and clearance distance input – output	\geq 5.5 mm	Dielectric strength to mounting rail	4 kV _{eff} / 1 Min.
Impulse withstand voltage	6 kV (1.2/50 μ s)		

Further details of approvals / standards

Standards	UL508	Certificate No. (CSA)	154685-1198742
Certificate No. (cURus)	E141197		

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Technical data**Connection data**

Wire connection method	Tension-clamp connection	Stripping length, rated connection	8 mm
Clamping range, rated connection	1.5 mm ²	Clamping range, min.	0.5 mm ²
Clamping range, max.	1.5 mm ²	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section AWG, max.	AWG 16	Wire cross-section, solid, min.	0.5 mm ²
Wire cross-section, solid, max.	1.5 mm ²	Wire connection cross-section, finely stranded, min.	0.5 mm ²
Wire connection cross section, finely stranded, max.	1.5 mm ²	Wire cross-section, finely stranded, min. (AWG)	AWG 26
Wire cross-section, finely stranded, max. (AWG)	AWG 16	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm ²	Conductor cross-section, flexible, AEH (DIN 46228-1), min.	0.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 mm ²	Blade size	0.6 x 3.5 mm

Classifications

ETIM 3.0	EC001439	ETIM 4.0	EC001669
ETIM 5.0	EC001439	ETIM 6.0	EC001439
UNSPSC	30-21-19-17	eClass 5.1	27-14-23-10
eClass 6.2	27-14-23-10	eClass 7.1	27-37-17-90
eClass 8.1	27-37-16-05	eClass 9.0	27-37-16-05
eClass 9.1	27-37-16-05		

Product information

Product information The cable lengths must not exceed 30 m.

Approvals

Approvals



ROHS Conform

Downloads

Approval/Certificate/Document of Conformity	DE_PA_5600_160311_005.pdf
Brochure/Catalogue	CAT 4.2 ELECTR 18/19 EN
Engineering Data	EPLAN_WSCAD
Engineering Data	STEP
User Documentation	Operating Instructions

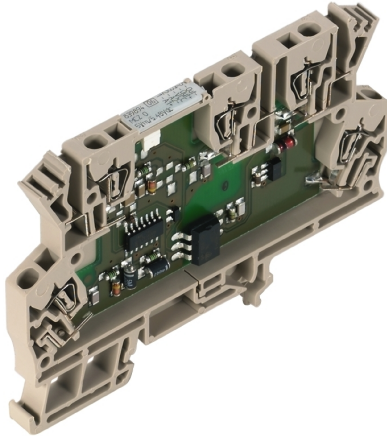
Data sheet

**MCZ SERIES
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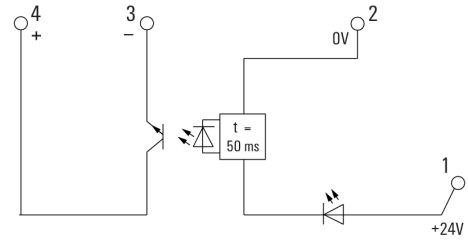
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Drawings

Product image



Wiring diagram



Dimensional drawing

