

MCZ SERIES

MCZ R 24VDC 5uAu

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The MCZ R relay couplers, with a width of only 6 mm, are the thinnest in their class.

They are distinguished 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 R 24VDC 5uAu
Order No.	8442960000
Version	MCZ SERIES, Relay module, No. of contacts: 1 CO contact AgSnO 5µm Au, Rated control voltage: 24 V DC ±20 %, Continuous current: 6 A, Tension clamp connection
GTIN (EAN)	4032248003891
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	26 g		

Temperatures

Humidity	5 - 93% rel. humidity, Tu = 40°C, no condensation	Operating temperature	-25 °C...50 °C
Storage temperature	-40 °C...60 °C		

Input

Rated control voltage	24 V DC ± 20 %	Rated current DC	6.3 mA
Power rating	156 mW	Pull-in/drop-out voltage, typ.	19 V / 4 V DC
Status indicator	Green LED	Protective circuit	Free-wheel diode, Reverse polarity protection

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Max. switching voltage, DC	250 V	Continuous current	6 A
Inrush current	6 A	AC switching capacity (resistive), max.	1500 VA
DC switching capacity (resistive), max.	120 W @ 24 V	Switch-on delay	< 5 ms
Switch-off delay	< 15 ms	Min. switching power	1 mA @ 1 V
Max. switching frequency at rated load	0.1 Hz		

Contact data

Contact type	1 CO contact (AgSnO 5µm Au)	Mechanical service life	10 x 10 ⁶ switching cycles
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General data

Version	One end without connector	Mounting rail	TS 35
Test button	No	Mechanical switch position indicator	No
Open sides	right		

Insulation coordination

Rated voltage	300 V	Creepage and clearance distance input – output	≥ 5.5 mm
Dielectric strength input – output	4 kV _{eff} / 1 s	Dielectric strength to mounting rail	4 kV _{eff} / 1 min.
Impulse withstand voltage	4 kV (1.2/50 µs)	Protection degree	IP20
Pollution severity	2	Surge voltage category	III

Further details of approvals / standards

Standards	DIN EN 50178, UL508	Certificate No. (CSA)	154685-1198742
Certificate No. (GERMLLOYD)	14847-99	Certificate No. (cURus)	E14 1197