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

Order No.	8442960000
Part designation	MCZ R 24VDC 5uAu
Version	MCZ-SERIES, Relays, No. of contacts: 1, CO contact, Rated control voltage: 24 V DC ±20 %, Tension clamp connection
GTIN (EAN)	4032248003891
Qty.	10 pc(s).

Datasheet

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Technical data

Dimensions

Length	91 mm	Width	6 mm
Height	63.2 mm		

Temperature

Ambient temperature (operational)	-25 °C...+55 °C	Storage temperature	-40 °C...+60 °C

Input

Rated voltage	300 V	Rated control voltage	24 V DC ±20 %
Pull-in (sparkover) / drop-out voltage DC coil	12 V...19 V/4 V...5.5 V	Rated current DC	6.3 mA
Pull-in / drop-out current, DC coil	5.7 mA	Power rating	156 mW
Status indicator	Green LED		

Output

Continuous current	6 A	Max. switching current	6 A
Max. switching frequency at rated load	0.1 Hz	Min. switching current	100 mA
Switch-off delay	≤ 10 ms	Switch-on delay	< 5 ms
Switching voltage AC, max.	250 V	making current	6 A
max. switching capacity	1500 VA	min. switching capacity	1 V / 1 mA

Contact data

Contact design	CO contact	No. of contacts	1
Contact material	AgSnO 5µm Au	Mechanical service life	20 x 10^6 switching cycles

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 mm²

Insulation coordination (EN 50 178)

Clearance and creepage distances for control/load side	≥ 5.5 mm	Dielectric strength to mounting rail	4 kV_{eff} / 1 min.
Impulse withstand voltage	6 kV	Overvoltage category	III
Pollution severity	2	Protection class	IP 20
Protective separation acc. to VDE 0106 part 101	Yes	Rated voltage	300 V

Other technical data

Free-wheel diode	Yes	Reverse polarity protection	Available
Status indicator	Green LED	Version	Relay coupler

Approvals

Approvals institutes	CSA; CURUS; GERMLLOYD; GOSTME25; CE

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Classifications

ETIM 2.0	EC001437	ETIM 3.0	EC001437
eClass 5.1	27-37-16-01	eClass 6.0	27-37-16-01

Notes

Note, technical data	End plate AP MCZ 1.5: 8389030000 for cross-connectors and markers - refer to MCZ Series accessories