

**MCZ-SERIES
MCZ R 120VAC**

Weidmüller Interface GmbH & Co. KG
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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.	8420880000
Part designation	MCZ R 120VAC
Version	MCZ-SERIES, Relays, No. of contacts: 1, CO contact, Rated control voltage: 120 V AC -15 % / +10 %, Tension clamp connection
GTIN (EAN)	4008190227036
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...+55 °C	Storage temperature	-40 °C...+60 °C
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Input

Rated voltage	300 V	Rated control voltage	120 V AC -15 % / +10 %
Response / drop-out voltage AC coil	approx. 70 V / approx. 22 V	Rated current AC	7 mA
Pull-in / drop-out current, AC coil	4 mA // 1.3mA	Power rating	0.85 VA
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	43 ms	Switch-on delay	15 ms
Switching voltage AC, max.	250 V	making current	6 A
max. switching capacity	1500 VA	min. switching capacity	12 V / 100 mA

Contact data

Contact design	CO contact	No. of contacts	1
Contact material	AgSnO ₂	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 mm ²

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

Bridge rectifier	Yes	Free-wheel diode	No
Reverse polarity protection	not available	Status indicator	Green LED
Version	Relay coupler		

Approvals

Approvals institutes	CSA; CURUS; GOSTME25; CE
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Datasheet**MCZ-SERIES
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Technical data**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