

**MCZ-SERIES
MCZ R 24VDC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-2083

www.weidmueller.com



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.	8365980000
Part designation	MCZ R 24VDC
Version	MCZ-SERIES, Relays, No. of contacts: 1, CO contact, Rated control voltage: 24 V DC ± 20 %, Tension clamp connection
GTIN (EAN)	4008190387839
Qty.	10 pc(s).

MCZ-SERIES MCZ R 24VDC

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-2083
www.weidmueller.com

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	≤11ms	Switch-on delay	< 5 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	AgSnO2	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	Creepage and clearance distances between contacts	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
----------------------	--

MCZ-SERIES MCZ R 24VDC

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-2083
www.weidmueller.com

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
----------------------	--