

MCZ SERIES MCZ R 230VAC

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 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

Type	MCZ R 230VAC
Order No.	8237710000
Version	MCZ SERIES, Relays, No. of contacts: 1, CO contact, AgSnO ₂ , Rated control voltage: 230 V AC ±10 %, Continuous current: 6 A, Tension clamp connection
GTIN (EAN)	4008190286187
Qty.	10 pc(s).

**MCZ SERIES
MCZ R 230VAC**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data
Dimensions and weights

Width	6 mm	Height	91 mm
Depth	63.2 mm	Net weight	25.2 g

Temperatures

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature	-25 °C...+50 °C
Storage temperature	-40 °C...+60 °C		

Input

Protective circuit	Rectifier	Rated control voltage	230 V AC ± 10 %
Rated current AC	9.5 mA	Power rating	2.1 VA
Response drop-out voltage AC coil	150 V / 60 V	Pull-in drop-out current, AC coil	5 mA / 2.5 mA
Status indicator	Green LED		

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	Max. switching power	1500 VA
Switch-on delay	< 11 ms	Switch-off delay	< 35 ms
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA	Max. switching frequency at rated load	0.1 Hz

Contact specifications

No. of contacts	1	Contact design	CO contact
Contact material	AgSnO ₂	Mechanical service life	5 x 10 ⁶ switching cycles

general data

Wire connection method	Tension clamp connection	Humidity	40 °C / 93 % rel. humidity, no condensation
Open sides	right	Wire cross-section, solid, max.	1.5 mm ²

Insulation coordination

Creepage and clearance distance input - output	≥ 5.5 mm	Dielectric strength input - output	4 kV _{eff} / 1 s
Rated voltage	300 V	Dielectric strength to mounting rail	4 kV _{eff} / 1 min.
Impulse withstand voltage	4 kV (1.2/50 µs)	Protection degree	IP 20
Pollution severity	2	Surge voltage category	III

Other technical data

Version	Relay coupler	Protective circuit	Rectifier
Status indicator	Green LED		

Further details of approvals / standards

Standards	DIN EN 50178, UL508
-----------	---------------------

Data sheet

**MCZ SERIES
MCZ R 230VAC**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Technical data

Connection data

Clamping range, rated connection	1.5 mm ²	Clamping range, rated connection, max.	2.5 mm ²
Clamping range, rated connection, min.	0.5 mm ²	Stripping length, rated connection	12 mm
Wire connection cross section AWG, max.	AWG 16	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section, finely stranded, max.	1.5 mm ²	Wire connection method	Tension clamp connection
Wire cross-section, solid, max.	1.5 mm ²		

Classifications

ETIM 3.0	EC001437	UNSPSC	30-21-19-17
eClass 5.1	27-37-16-01	eClass 6.2	27-37-16-01
eClass 7.1	27-37-16-01		

Product information

Descriptive text technical data	End plate AP MCZ 1.5: 8389030000 Accessories and dimensional drawings: refer to the MCZ Accessories page.
---------------------------------	--

Approvals

Approvals



ROHS	Conform
------	---------

Downloads

Declaration of Conformity	K138_07_09.pdf
	3-D model

Data sheet

**MCZ SERIES
MCZ R 230VAC**

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Drawings

Electric symbol

