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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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**MCZ-SERIES**  
**MCZ R 24VDC 5uAu**

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 16  
D-32758 Detmold  
Germany  
Fon: +49 5231 14-0  
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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 mm<sup>2</sup>

**General ordering data**

Order No.	<a href="#">8442960000</a>
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).

## MCZ-SERIES MCZ R 24VDC 5uAu

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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	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 <sup>6</sup> 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 <sup>2</sup>

### Insulation coordination (EN 50 178)

Clearance and creepage distances for control/load side	≥ 5.5 mm	Dielectric strength to mounting rail	4 kV <sub>eff</sub> / 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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**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