



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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 1CO TRAK

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

Order No.	8713890000
Type	MCZ R 24Vdc 1CO TRAK
Version	MCZ SERIES, Relays, No. of contacts: 1, CO contact, AgSnO, Rated control voltage: 24 V DC +25 % / -30 %, Continuous current: 6 A, Tension clamp connection
GTIN (EAN)	4032248390243
Qty.	10 pc(s).

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Technical data

Ratings

Conductor connection system	Humidity	95 % for 30 days, minimal condensation to EN 50155
Tension clamp connection	Wire cross-section, solid, max.	1.5 mm ²
Open sides	right	

Dimensions and weights

Width	6 mm	Height	91 mm
Depth	63.2 mm	Net weight	27.3 g

Temperatures

Operating temperature	-25 °C...+70 °C	Note: room temperature (service)	+85 °C for 10 minutes
Storage temperature	-40 °C...+85 °C		

Connection data

Clamping range, rated connection	1.5 mm ²	Clamping range, rated connection, min.	0.5 mm ²
Clamping range, rated connection, max.	2.5 mm ²	Stripping length, rated connection	12 mm
Wire connection cross section, finely stranded, max.	1.5 mm ²		

Input

Rated control voltage	24 V DC +25 % / -30 %	Rated current DC	11.5...16.5 mA
Power rating	195...500 mW	Pull-in (sparkover) / drop-out voltage DC coil	14 V / 3 V
Status indicator	Green LED	Max. reset time after voltage interruption	10 ms

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Max. switching voltage, DC making current	250 V / 6 A	Continuous current	6 A
Switch-on delay	< 11 ms	Max. switching power	1500 VA
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA	Switch-off delay	< 50 ms
		Max. switching frequency at rated load	0.1 Hz

Contact specifications

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

Insulation coordination

Rated voltage	300 V	Clearance and creepage distances for control side - load side	≥ 5.5 mm
Dielectric strength for control side - load side	4 kV _{eff} / 1 s	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

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Technical data

Other technical data

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

Further details of approvals / standards

Standards	DIN EN 50178, DIN EN 50155
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Classifications

ETIM 2.0	EC001437	ETIM 3.0	EC001437
UNSPSC	30-21-19-17	eClass 4.1	39-12-15-35
eClass 5.1	27-37-16-01	eClass 6.0	27-37-16-01
eClass 7.0	27-37-16-01		

Approvals

Approvals



Downloads

Declaration of Conformity	K254_03_11.pdf
3-D model	

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Drawings

Electric symbol

