MCZ SERIES
MCZ R 24Vdc 1CO TRAK

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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.	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	Tension clamp connection	Humidity	95 % for 30 days, minimal condensation to EN 50155
Open sides	right	Wire cross-section, solid, max.	1.5 mm²

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 mm²	Clamping range, rated connection, min.	0.5 mm²
Clamping range, rated connection, max.	2.5 mm²	Stripping length, rated connection	12 mm
Wire connection cross section, finely stranded, max.	1.5 mm²		

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	250 V	Continuous current	6 A
making current	6 A	Max. switching power	1500 VA
Switch-on delay	< 11 ms	Switch-off delay	< 50 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	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

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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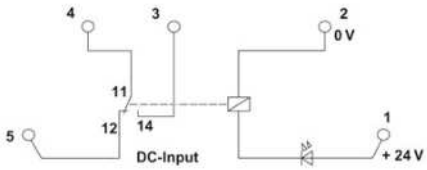
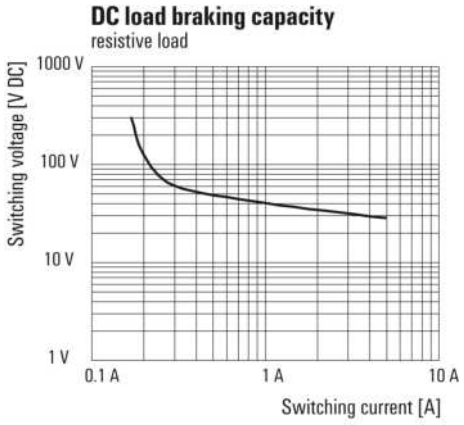
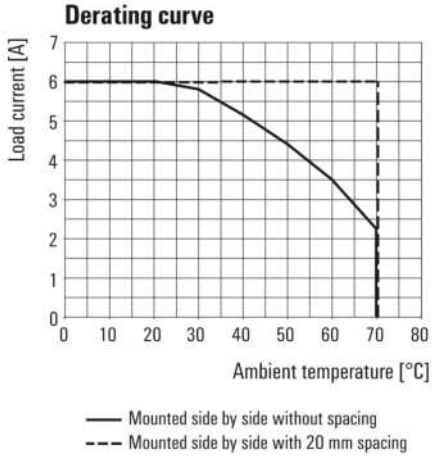
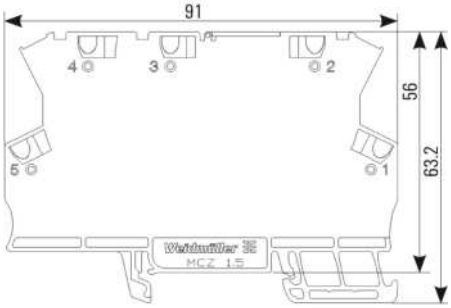
Drawings

Electric symbol