



#### General ordering data

Order No.	8499550000
Part designation	MCZ R 24Vdc 1NO TRAK
Version	Relays, 1 NO contact, 24 V DC , 6 A, Tension clamp connection
EAN	4032248110353
Qty.	10 pc(s).

#### Input

Rated control voltage	24 V DC
Pull-in (sparkover) / drop-out voltage DC coil	7...14 V / 3...5 V
Rated current DC	11.5...16.5 V
Power rating	195...500 mW
Status indicator	Green LED
Max. reset time after voltage interruption	10 ms

#### Output

Bounce times	typically 1 ms
Continuous current	6 A
Max. switching frequency at rated load	0.1 Hz
Max. switching voltage AC	250 V
Min. switching power	12 V / 100 mA
Sparkover time / Drop-out time	< 6,5 ms / < 75 ms
Switch-off delay	typ. 38 ms
Switch-on delay	typically 6.5 ms

#### Contact data

Number of contacts	1
Contact base material	AgSnO
Mechanical service life	20*10 <sup>6</sup> switching cycles

#### Rated data

Climate	95% for 30 days, minimal condensation to EN 50155
Conductor	AWG 26...16

**Rated data**

Connection system	Tension clamp connection
Flexible, max.	1.5 mm <sup>2</sup>
Solid, max.	1.5 mm <sup>2</sup>
Ambient temperature (operational)	+85°C for 10 minutes -25 °C...+70 °C
Storage temperature	-40 °C...+85 °C

**Insulation coordination (EN 50 178)**

Clearance and creepage distances for control side  $\geq$  5.5 mm  
- load side

Dielectric strength to mounting rail	4 kV / 1 min.
Impulse withstand voltage	4 kV (1.2/50 $\mu$ s)
Overvoltage category	III
Pollution severity	2
Protection class	IP 20
Rated voltage	300 V
Secure separation acc. to VDE 0106 part 101	Yes

**Dimensions**

Clamping range, max.	2.5 mm <sup>2</sup>
Clamping range, min.	0.5 mm <sup>2</sup>
Clamping range, nom.	1.5 mm <sup>2</sup>
Length	91 mm
Height	63.2 mm
Width	6 mm

**Approvals**

Approvals institutes	<b>n.a.</b>
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**Classifications**

ETIM 2.0	EC001437
ETIM 3.0	EC001437
eClass 4.1	40-02-06-14
eClass 5.0	27-37-16-01
eClass 5.1	27-37-16-01

**Similar products**

Order No.	Part designation	Version
8713890000	MCZ R 24Vdc 1CO TRAK	Relays, 1 CO contact, 24 V DC , 6 A, Tension clamp connection
8713900000	MCZ R 36Vdc 1CO TRAK	Relays, 1 CO contact, 36 V DC , 6 A, Tension clamp connection
8582130000	MCZ R 36Vdc 1NO TRAK	Relays, 1 NO contact, 36 V DC , 6 A, Tension clamp connection
8713910000	MCZ R 48...110Vdc 1CO TRAK	Relays, 1 CO contact, 48...110 V DC , 6 A, Tension clamp connection
8574070000	MCZ R 48...110Vdc 1NO TRAK	Relays, 1 NO contact, 48...110 V DC , 6 A, Tension clamp connection