

MCZ R 24VDC 1CO TRAK

Weidmüller Interface GmbH & Co. KG

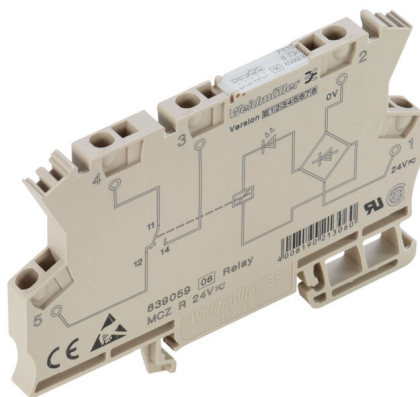
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image



Similar to illustration

High reliability in a terminal block format

MCZ SERIES relay modules are among the smallest on the market. Thanks to the small width of just 6.1 mm, a lot of space can be saved in the panel. All products in the series have three cross-connection terminals and are distinguished by simple wiring with plug-in cross-connections. The tension clamp connection system, proven a million times over, and the integrated reverse polarity protection ensure a high level of safety during installation and operation. Precisely fitting accessories from cross-connectors to markers and end plates make the MCZ SERIES versatile and convenient to use.

- Tension clamp connection
- Integrated cross-connection in input/output.
- Clampable conductor cross-section is 0.5 to 1.5 mm²
- Variants of the MCZ TRAK type are particularly suitable for the transport sector and tested according to DIN EN 50155

General ordering data

Version	MCZ-SERIES TRAK, Relay module, Number of contacts: 1, CO contact AgSnO, Rated control voltage: 24 V DC +25 % / -30 %, Continuous current: 6 A, Tension-clamp connection, Test button available: No
Order No.	8713890000
Type	MCZ R 24VDC 1CO TRAK
GTIN (EAN)	4032248390243
Qty.	10 items
Delivery status	This article will no longer be available in the future.
Last order date	2026-10-30T00:00:00+01:00
Alternative product	TRPL 24VDC 1CO TRAK

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Technical data

Approvals

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ROHS Conform

Dimensions and weights

Depth	63.2 mm	Depth (inches)	2.4882 inch
Height	91 mm	Height (inches)	3.5827 inch
Width	6.1 mm	Width (inches)	0.2402 inch
Net weight	27.2 g		

Temperatures

Storage temperature	-40 °C...85 °C	Ambient temperature	-25 °C...70 °C
Operating temperature		Humidity	95 % for 30 days, minimal condensation to EN 50155

Note: room temperature (service) +85 °C for 10 minutes

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	7a, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	35d83707-6a3b-45b5-b9f8-6ba8184c863e

Control side

Rated control voltage	24 V DC +25 % / -30 %	Rated current DC	11.5...16.5 mA
Power rating	195...500 mW	Status indicator	Green LED
Protective circuit	Free-wheeling diode, Varistor, Reverse polarity protection	Reset time after voltage interruption, max.	10 ms

Load side

Rated switching voltage	250 V AC	Continuous current	6 A
Max. switching frequency at rated load	0.1 Hz	Switching voltage (AC), max.	250 V
Switching voltage (DC), max.	250 V	Inrush current	6 A
AC switching capacity (resistive), max.	1500 VA	DC switching capacity (resistive), max.	120 W @ 24 V
Switch-on delay	<11 ms	Switch-off delay	<50 ms
Contact type	1 CO contact (AgSnO)	Mechanical service life	10 x 10 ⁶ switching cycles
Min. switching power	100 mA @ 12 V		

General data

Version	for railway applications
Mounting rail	TS 35
Test button available	No
Mechanical switch position indicator	No
Open sides	right
Colour	beige
UL94 flammability rating component	Component Housing

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UL94 flammability rating

V-0

Insulation coordination

Rated voltage	300 V	Pollution severity	2
Surge voltage category	III	Clearance and creepage distances for control side - load side	≥ 5.5 mm
Dielectric strength for control side - load side	4 kVeff / 1 s	Dielectric strength to mounting rail	4 kVeff / 1 Min.
Impulse withstand voltage	4 kV (1.2/50 µs)	Protection degree	IP20

Connection data

Wire connection method	Tension-clamp connection	Stripping length, rated connection	8 mm
Clamping range, rated connection	1.5 mm ²	Clamping range, min.	0.5 mm ²
Clamping range, max.	1.5 mm ²	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section AWG, max.	AWG 16	Wire cross-section, solid, min.	0.5 mm ²
Wire cross-section, solid, max.	1.5 mm ²	Wire cross-section, solid, min. (AWG)	AWG 26
Wire cross-section, solid, max. (AWG)	AWG 16	Wire connection cross section, finely stranded, min.	0.5 mm ²
Wire connection cross-section, finely stranded, max.	1.5 mm ²	Wire cross-section, finely stranded, min. (AWG)	AWG 26
Wire cross-section, finely stranded, max. (AWG)	AWG 16	Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min.	0.5 mm ²
Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max.	1.5 mm ²	Conductor cross-section, flexible with wire end ferrule (DIN 46228-1), min.	0.5 mm ²
Conductor cross-section, flexible with wire end ferrule (DIN 46228-1), max.	1.5 mm ²	Blade size	0.6 x 3.5 mm

Classifications

ETIM 8.0	EC001437	ETIM 9.0	EC001437
ETIM 10.0	EC001437	ECLASS 14.0	27-37-16-01
ECLASS 15.0	27-37-16-01		

