

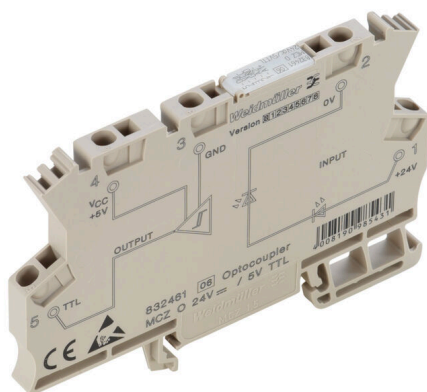
MCZ O TRAK 24.110VDC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com


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, Solid-state relay, Rated control voltage: 24...110 V DC -30 / +25 % , Rated switching voltage: 5...137.5 V DC, Continuous current: 250 mA @ 50 °C, Tension-clamp connection
Order No.	8820710000
Type	MCZ O TRAK 24.110VDC
GTIN (EAN)	4032248522231
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	TOPL 24-110VDC 5-110VDC0.25A 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	15.84 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

Probability of failure

MTTF 1943 a

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...110 V DC -30 / +25 %	Rated control voltage (control input)	24...110 V DC -30 / +25 %
Nominal control current	2.8 mA DC	Status indicator	Green LED
Protective circuit	Reverse polarity protection	Input frequency	10 Hz

Load side

Rated switching voltage	5...137.5 V DC	Continuous current	0.25 A @ 50 °C
Rated switching current	250 mA @ 50 °C	Max. switching voltage, AC	250 V
Switch-on delay	≤ 10 ms	Switch-off delay	≤ 50 ms
Voltage drop at max. load	≤ 1.7 V	Short-circuit-proof	No
Protective circuit, load side	Varistor, Free-wheeling diode	Contact type	1 NO contact (Transistor)
max. switching frequency (DC control voltage)	10 Hz		

General data

Version	for railway applications
Mounting rail	TS 35
Test button available	No
Colour	beige

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UL94 flammability rating component	Component	Housing
	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	1 kVeff / 1 s	Dielectric strength to mounting rail	4 kVeff / 1 Min.
Impulse withstand voltage	6 kV (1.2/50 µs)	Protection degree	IP20

Connection data

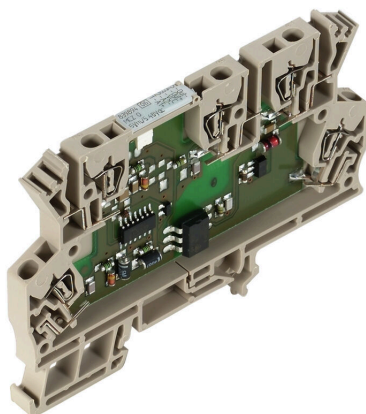
Wire connection method	Tension-clamp connection	Stripping length, rated connection	8 mm
Clamping range, rated connection	1.5 mm ²	Clamping range, min.	0.5 mm ²
Clamping range, max.	1.5 mm ²	Wire connection cross section AWG, min.	AWG 26
Wire connection cross section AWG, max.	AWG 16	Wire cross-section, 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, AEH (DIN 46228-1), min.	0.5 mm ²
Conductor cross-section, flexible, AEH (DIN 46228-1), max.	1.5 mm ²	Blade size	0.6 x 3.5 mm

Classifications

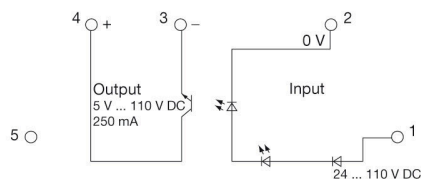
ETIM 8.0	EC001504	ETIM 9.0	EC001504
ETIM 10.0	EC001504	ECLASS 14.0	27-37-16-04
ECLASS 15.0	27-37-16-04		

Drawings

Wiring diagram



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Dimensional drawing

