

MCZ R 24VUC

Weidmüller Interface GmbH & Co. KG

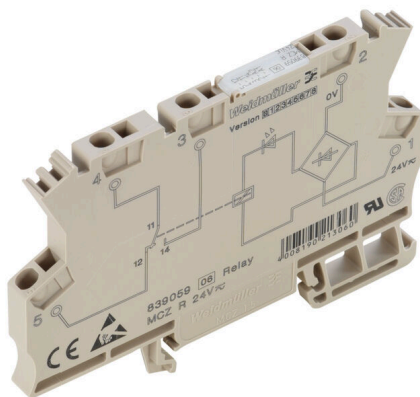
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Product image



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, Relay module, Number of contacts: 1, CO contact AgSnO, Rated control voltage: 24 V UC ±10 %, Continuous current: 6 A, Tension-clamp connection, Test button available: No
Order No.	8390590000
Type	MCZ R 24VUC
GTIN (EAN)	4008190213060
Qty.	10 items
Delivery status	This article will no longer be available in the future.
Available until	2025-11-28T00:00:00+01:00
Alternative product	TRPL 24VUC 1CO

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E141197

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...60 °C	Ambient temperature	-25 °C...50 °C
Operating temperature		Humidity	5 - 93% rel. humidity, Tu = 40°C, no condensation

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

Rated data UL

Certificate No. (cURus) E141197

Control side

Rated control voltage	24 V UC ± 10 %	Rated current AC	11 mA
Rated current DC	6.4 mA	Power rating	270 mVA / 154 mW
Status indicator	Green LED	Protective circuit	Rectifier

Load side

Rated switching voltage	250 V AC	Continuous current	6 A
Max. switching frequency at rated load	0.1 Hz	Max. switching voltage, AC	250 V
Max. switching voltage, DC	250 V	Inrush current	6 A
AC switching capacity (resistive), max.	1500 VA	DC switching capacity (resistive), max.	144 W @ 24 V
Switch-on delay	<6 ms	Switch-off delay	<35 ms
Contact type	1 CO contact (AgSnO)	Mechanical service life	10 x 10 ⁶ switching cycles
Min. switching power	1 mA @ 24 V, 10 mA @ 10 V, 100 mA @ 5 V		

General data

Mounting rail	TS 35
Test button available	No
Mechanical switch position indicator	No
Open sides	right

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Colour	beige		
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	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

Further details of approvals / standards

Certificate No. (CSA)	154685-1 198742	Certificate No. (cURus)	E141197
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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 16 (AWG)		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

Important note

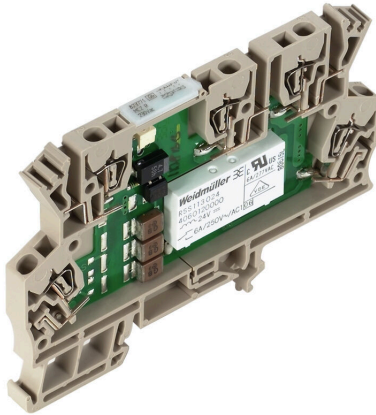
Product information	The cable lengths must not exceed 30 m.
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Classifications

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		

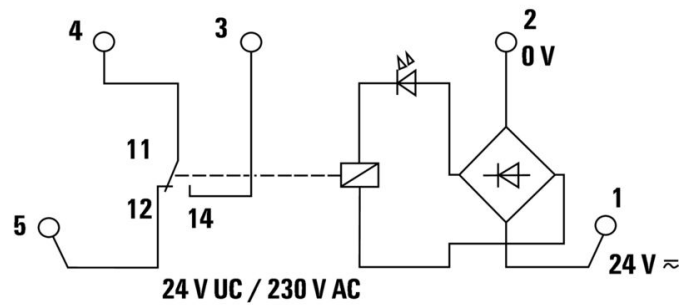
Drawings

Product image

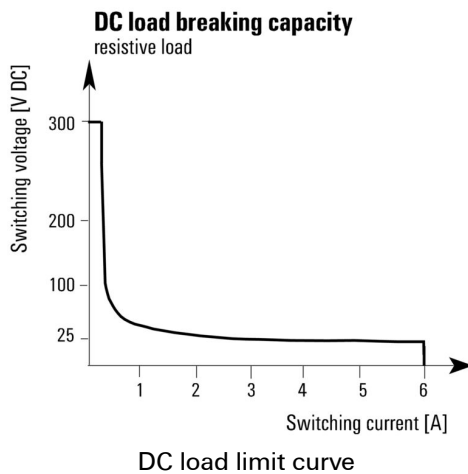


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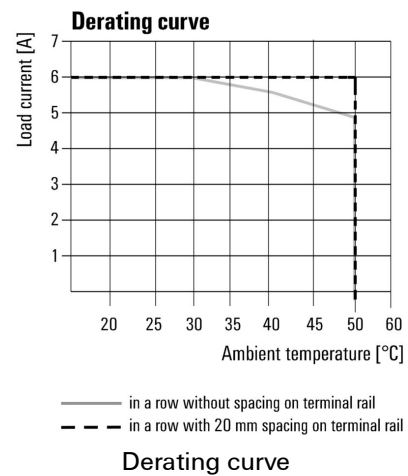
Wiring diagram



Graph



Graph



Dimensional drawing

