

MCZ R 120VAC

Weidmüller Interface GmbH & Co. KG

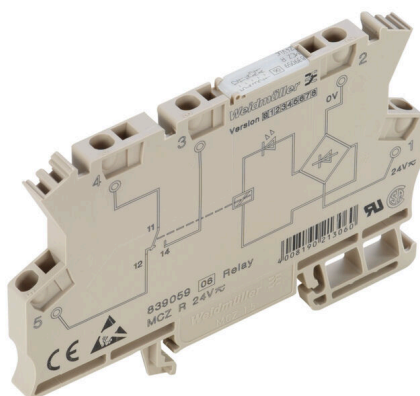
Klingenbergstraße 26

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, Relay module, Number of contacts: 1, CO contact AgSnO, Rated control voltage: 120 V AC -15 % / +10 %, Continuous current: 6 A, Tension-clamp connection, Test button available: No
Order No.	8420880000
Type	MCZ R 120VAC
GTIN (EAN)	4008190227036
Qty.	10 items
Delivery status	This article will no longer be available in the future.
Last order date	2025-11-28T00:00:00+01:00
Alternative product	TRPL 120VAC 1CO

MCZ R 120VAC

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

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	24.8 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	120 V AC -15 % / +10 %	Rated current AC	7 mA
Power rating	0.85 VA	Status indicator	Green LED
Protective circuit	RC element, 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	<17 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

MCZ R 120VAC

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Colour	beige	
UL94 flammability rating component	Component	Housing
	UL94 flammability rating	V-0

Insulation coordination

Insulation coordination	Rated voltage	300 V
	Surge voltage category	III
	Pollution severity	2
	Impulse withstand voltage (1,2/50µs)	6 kV
	Insulation between	Control side - load side
	Clearance and creepage distances, min.	5.5 mm
	Dielectric strength (5 seconds)	1.2 kV
	Insulation between	Device - mounting rail
Protection degree	Dielectric strength (60 seconds)	4 kV
	IP20	

Further details of approvals / standards

Certificate No. (CSA)	154685-1 198742	Certificate No. (cURus)	E14 1197
-----------------------	-----------------	-------------------------	----------

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.
---------------------	---

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		

