

**MICROSERIES
MRZ 24VDC 1CO****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 16

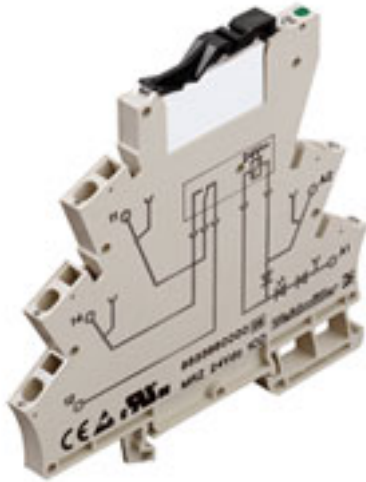
D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com



Relays of the MICROSERIES are used for isolating and coupling digital signals.

They are characterised by the following features:

- modular width 6.1 mm
- Pluggable relay
- Pluggable cross-connection for four voltages in input and output circuits,
- innovative retention and ejection aid,
- LED operating indicator, reverse polarity protection diode, free-wheeling diode

General ordering data

Order No.	8533660000
Type	MRZ 24VDC 1CO
Version	MICROSERIES, Relays, No. of contacts: 1, CO contact, AgNi, Rated control voltage: 24 V DC $\pm 20\%$, Continuous current: 6 A, Tension clamp connection
GTIN (EAN)	4032248169757
Qty.	10 pc(s).

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Technical data
Ratings

Conductor connection system	Tension clamp connection	Humidity	40 °C / 93 % rel. humidity, no condensation
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Dimensions and weights

Width	6.1 mm	Height	94 mm
Depth	94 mm	Net weight	31.17 g

Temperatures

Operating temperature	-25 °C...+55 °C	Storage temperature	-40 °C...+60 °C
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Connection data

Clamping range, rated connection	1.5 mm ²	Clamping range, rated connection, min.	0.5 mm ²
Clamping range, rated connection, max.	2.5 mm ²		

Input

Rated control voltage	24 V DC $\pm$ 20 %	Rated current DC	6.6 mA
Power rating	160 mW	Pull-in (sparkover) / drop-out voltage DC coil	16.9 V / 6.5 V
Pull-in / drop-out current, DC coil	4 mA / 1.2 mA	Status indicator	Green LED

Output

Rated switching voltage	250 V AC	Max. switching voltage, AC	250 V
Max. switching voltage, DC	250 V	Continuous current	6 A
making current	6 A	Max. switching power	1500 VA
Switch-on delay	6.6 ms	Switch-off delay	5.8 ms
Min. switching power	12 V / 10 mA	Min. switching current	10 mA
Max. switching frequency at rated load	0.1 Hz		

Contact specifications

No. of contacts	1	Contact design	CO contact
Contact material	AgNi	Mechanical service life	20 x 10 ⁶ switching cycles

Insulation coordination

Rated voltage	300 V	Clearance and creepage distances for control side - load side	$\geq$ 5.5 mm
Dielectric strength to mounting rail	4 kV _{eff} / 1 min.	Impulse withstand voltage	4 kV (1.2/50 μ s)
Protection degree	IP 20	Pollution severity	2
Surge voltage category	III		

Other technical data

Version	Relay coupler	Status indicator	Green LED
Free-wheel diode	Yes	Reverse polarity protection	Available

Further details of approvals / standards

Standards	DIN EN 50178
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Creation date January 24, 2013 1:10:20 PM CET

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Technical data**Classifications**

ETIM 2.0	EC001437	ETIM 3.0	EC001437
UNSPSC	30-21-19-17	eClass 4.1	40-02-06-14
eClass 5.1	27-37-16-01	eClass 6.0	27-37-16-01
eClass 7.0	27-37-16-01		

Approvals

Approvals

**Downloads**

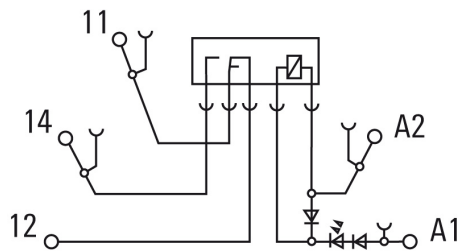
Declaration of Conformity [K205_09_09.pdf](#)
[3-D model](#)

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MRZ 24VDC 1CO

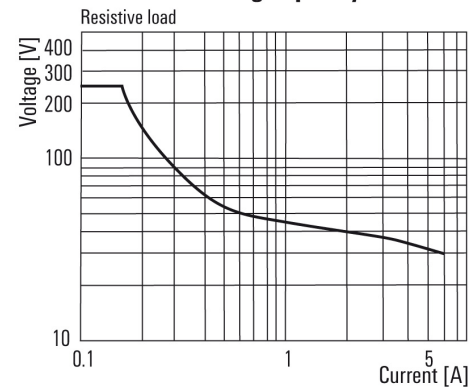
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Drawings

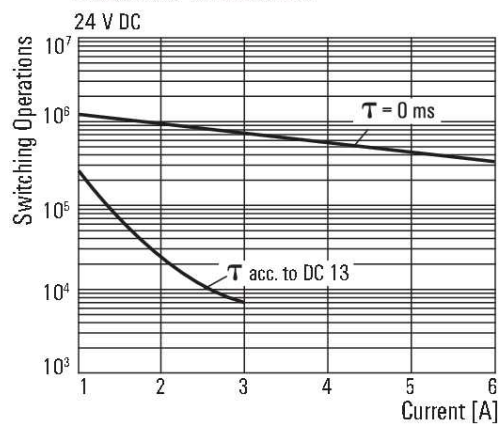
Electric symbol



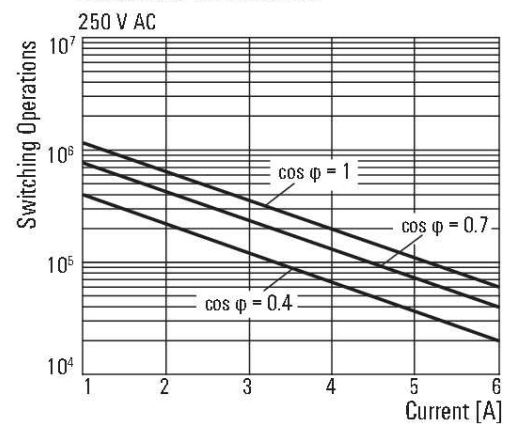
DC load breaking capacity



Electrical endurance



Electrical endurance



Derating curve

