MICROSERIES
MRS 12Vdc 1CO C1D2

Weidmüller Interface GmbH & Co. KG
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Germany
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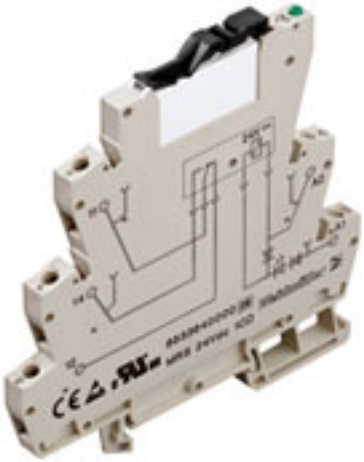

Relays of the MICROSERIES are used for isolating and coupling digital signals.
They are characterised by the following features:

- 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.	8967340000
Type	MRS 12Vdc 1CO C1D2
Version	MICROSERIES, Relays, No. of contacts: 1, CO contact, AgNi, Rated control voltage: 12 V DC ±20 %, Continuous current: 6 A, Screw connection
GTIN (EAN)	4032248788941
Qty.	10 pc(s).

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Technical data

Dimensions and weights

Width	6.1 mm	Height	93 mm
Depth	94 mm	Net weight	36.6 g

Temperatures

Humidity	40 °C / 93 % rel. humidity, no condensation	Operating temperature	-25 °C...+55 °C
Storage temperature	-40 °C...+60 °C		

Input

Protective circuit	Integrated free-wheel diode, Reverse polarity protection	Rated control voltage	12 V DC ±20 %
Rated current DC	17 mA	Power rating	210 mW
Pull-in (sparkover) / drop-out voltage DC coil	6.4 V / 2.5 V	Pull-in / drop-out current, DC coil	8.4 mA / 2.4 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	5.8 ms	Switch-off delay	6.9 ms
Min. switching power	100 mA / 5 V, 10 V / 10 mA, 24 V / 1 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

general data

Wire connection method	Screw connection	Humidity	40 °C / 93 % rel. humidity, no condensation

Insulation coordination

Creepage and clearance distance input – output	≥ 5.5 mm	Rated voltage	300 V
Dielectric strength to mounting rail	4 kV_{eff} / 1 min.	Impulse withstand voltage	4 kV (1.2/50 µs)
Protection degree	IP 20	Pollution severity	2
Surge voltage category	III		

Other technical data

Version	Relay coupler	Protective circuit	Integrated free-wheel diode, Reverse polarity protection
Status indicator	Green LED		

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Technical data

Further details of approvals / standards

Standards	DIN EN 50178, UL508

Connection data

Clamping range, rated connection	2.5 mm²	Clamping range, rated connection, max.	4 mm²
Clamping range, rated connection, min.	0.5 mm²	Wire connection method	Screw connection

Classifications

ETIM 3.0	EC001437	UNSPSC	30-21-18-01
eClass 5.1	27-37-16-01	eClass 6.2	27-37-16-01
eClass 7.1	27-37-16-01		

Approvals

Approvals	CE CULUSEX PG ME25
ROHS	Conform

Downloads

Declaration of Conformity	K205_09_09.pdf

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Drawings

Electric symbol