

MICROSERIES
MRS 12Vdc 1CO C1D2

Weidmüller Interface GmbH & Co. KG
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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, Rated control voltage: 12 V DC $\pm 20\%$, Screw connection
GTIN (EAN)	4032248788941
Qty.	10 pc(s).

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Technical data
Ratings

Conductor connection system	Screw connection	Humidity	40°C / 93% rel. humidity, no condensation
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Dimensions

Length	93 mm	Width	6.1 mm
Height	92 mm	Net weight	36.6 g

Temperatures

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

Clamping range, rated connection	2.5 mm ²	Clamping range, rated connection, min.	0.5 mm ²
Clamping range, rated connection, max.	4 mm ²		

Input

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	8.4mA/2.4mA	Rated control voltage	12 V DC ±20 %
Rated current DC	17 mA	Status indicator	Green LED

Output

Continuous current	6 A	Max. switching current	6 A
Max. switching frequency at rated load	0.1 Hz	Max. switching power	1500 VA
Max. switching voltage, AC	250 V	Max. switching voltage, DC	250 V
Min. switching current	10 mA	Min. switching power	12 V / 10 mA
Switch-off delay	6.9 ms	Switch-on delay	5.8 ms
making current	6 A		

Contact specifications

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

Insulation coordination (EN 50 178)

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

Other technical data

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

Approvals

Standards	DIN EN 50178
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Technical data**Classifications**

ETIM 3.0	EC001437	UNSPSC	30-21-18-01
eClass 5.1	27-37-16-01	eClass 6.0	27-37-16-01
eClass 7.0	27-37-16-01		

Downloads

Declaration of Conformity [K205_09_09.pdf](#)

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Drawings

Electric symbol

