

## MICROSERIES MRS 120Vuc 1CO

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
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 Fon: +49 5231 14-0  
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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.	<a href="#">8556030000</a>
Part designation	MRS 120Vuc 1CO
Version	MICROSERIES, Relays, No. of contacts: 1, CO contact, Rated control voltage: 120 V UC +10 % / -15 %, Screw connection
GTIN (EAN)	4032248195152
Qty.	10 pc(s).

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**Technical data**

**Dimensions**

Length	93 mm	Width	6.1 mm
Height	92 mm		

**Temperature**

Ambient temperature (operational)	-25 °C...+50 °C	Storage temperature	-40 °C...+60 °C
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**Input**

Rated voltage	300 V	Rated control voltage	120 V UC +10 % / -15 %
Response / drop-out voltage AC coil	71 V / 22 V	Pull-in (sparkover) / drop-out voltage DC coil	71 V / 22 V
Rated current AC	3.5 mA	Rated current DC	3.5 mA
Pull-in / drop-out current, AC coil	1.8 mA / 0.5 mA	Pull-in / drop-out current, DC coil	1,8 mA / 0,5 mA
Power rating	0.42 VA	Status indicator	Green LED

**Output**

Continuous current	6 A	Max. switching frequency at rated load	0.1 Hz
Switch-off delay	7.5 ms	Switch-on delay	9.3 ms
Switching voltage AC, max.	250 V		

**Contact data**

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

**Rated data**

Conductor connection system	Screw connection	Humidity	40°C / 93% rel. humidity, no condensation
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**Insulation coordination (EN 50 178)**

Clearance and creepage distances for control/load side	≥ 5.5 mm	Impulse withstand voltage	6 kV (1.2/50 µs)
Overvoltage category	III	Pollution severity	2
Protection class	IP 20	Protective separation acc. to VDE 0106 part 101	Yes
Rated voltage	300 V		

**Other technical data**

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

**Approvals**

Approvals institutes	CSA; CULUS; CURUS; GOSTME25; CE
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**Classifications**

eClass 6.0	27-37-16-01
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**Datasheet**

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**Notes**

Note, technical data

Cross-connectors and markers - refer to MICROSERIES accessories

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Drawings

Electric symbol

