



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



MICROSERIES
MRS 120Vuc 1CO

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-2083
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.	8556030000
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).

**MICROSERIES
MRS 120Vuc 1CO**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-2083
www.weidmueller.com

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
-----------------------------------	-----------------	---------------------	-----------------

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 ⁶ switching cycles

Rated data

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

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
----------------------	------------------------------------

Classifications

eClass 6.0	27-37-16-01
------------	-------------

Datasheet

**MICROSERIES
MRS 120Vuc 1CO**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-2083
www.weidmueller.com

Technical data

Notes

Note, technical data

Cross-connectors and markers - refer to MICROSERIES accessories

