



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

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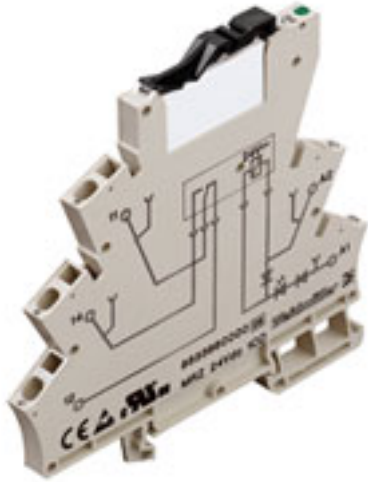
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**MICROSERIES  
MRZ 120Vuc 1CO**

**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.	<a href="#">8556100000</a>
Part designation	MRZ 120Vuc 1CO
Version	MICROSERIES, Relays, No. of contacts: 1, CO contact, Rated control voltage: 120 V UC +10 % / -15 %, Tension clamp connection
GTIN (EAN)	4032248195329
Qty.	10 pc(s).

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**Technical data**

**Dimensions**

Length	94 mm	Width	6.1 mm
Height	91 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	Tension clamp 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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**Technical data**

**Notes**

Note, technical data

Cross-connectors and markers - refer to MICROSERIES accessories

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**Drawings**

**Electric symbol**

