



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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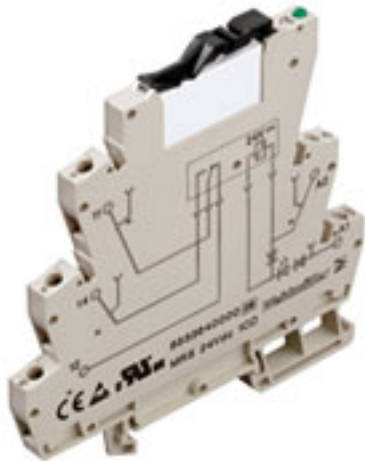
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**MICROSERIES  
MRS 5Vdc 1CO**

**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="#">8556080000</a>
Part designation	MRS 5Vdc 1CO
Version	MICROSERIES, Relays, No. of contacts: 1, CO contact, Rated control voltage: 5 V DC ±20 %, Screw connection
GTIN (EAN)	4032248195206
Qty.	10 pc(s).

## MICROSERIES MRS 5Vdc 1CO

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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	5 V DC ±20 %
Pull-in (sparkover) / drop-out voltage DC coil	3.2 V / 1.6 V	Rated current DC	38.5 mA
Pull-in / drop-out current, DC coil	21,6 mA / 8 mA	Power rating	193 mW
Status indicator	Green LED		

### Output

Continuous current	6 A	Max. switching current	6 A
Max. switching frequency at rated load	0.1 Hz	Sparkover time / Drop-out time	6.2 ms / 3.9 ms
Switch-off delay	7.5 ms	Switch-on delay	9.3 ms
Switching voltage AC, max.	250 V	making current	6 A
max. switching capacity	1500 VA	min. switching capacity	12 V / 100 mA

### 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	DIN Rail compatibility	TS 35
Humidity	40°C / 93% rel. humidity, no condensation		

### Insulation coordination (EN 50 178)

Clearance and creepage distances for control/load side	≥ 5.5 mm	Dielectric strength to mounting rail	4 kV <sub>eff</sub> / 1 min.
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

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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Last update 27.09.2010 / We reserve the right to make technical changes.

**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**

