



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!



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## MICROSERIES MRS 60Vdc 1CO

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 16

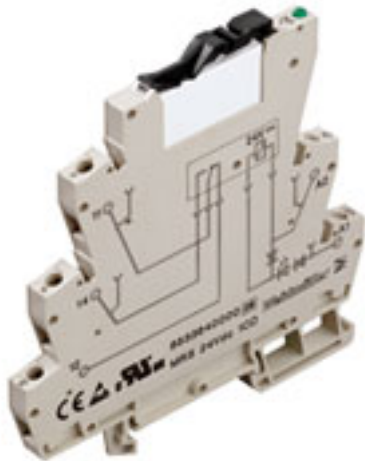
D-32758 Detmold

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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="#">8556060000</a>  |
| Part designation | MRS 60Vdc 1CO   |
| Version          | MICROSERIES, Relays, No. of contacts: 1, CO contact, Rated control voltage: 60 V DC $\pm 20\%$ , Screw connection |
| GTIN (EAN)       | 4032248195183   |
| 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 |
|-----------------------------------|-----------------|---------------------|-----------------|

**Input**

|  |                 |                       |               |
|--|-----------------|-----------------------|---------------|
| Rated voltage                                  | 300 V           | Rated control voltage | 60 V DC ±20 % |
| Pull-in (sparkover) / drop-out voltage DC coil | 35 V / 11 V     | Rated current DC      | 3,3 mA        |
| Pull-in / drop-out current, DC coil            | 1,6 mA / 0,6 mA | Power rating          | 200 mW        |
| Status indicator                               | Green LED       |                       |               |

**Output**

|  |               |                            |         |
|--|---------------|----------------------------|---------|
| Continuous current                     | 6 A           | Max. switching 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   |
| 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;<br>GOSTME25; CE |
|----------------------|------------------------------------|

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**Technical data****Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 2.0   | EC001437    | ETIM 3.0   | EC001437    |
| eClass 5.1 | 27-37-16-01 | eClass 6.0 | 27-37-16-01 |

**Notes**

Note, technical data                      Cross-connectors and markers - refer to MICROSERIES accessories

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**Drawings**

**Electric symbol**

