

## MCZ R 24VDC 5UAU

**Weidmüller Interface GmbH & Co. KG**

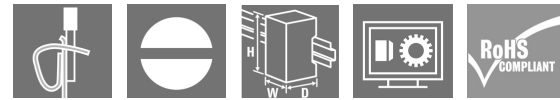
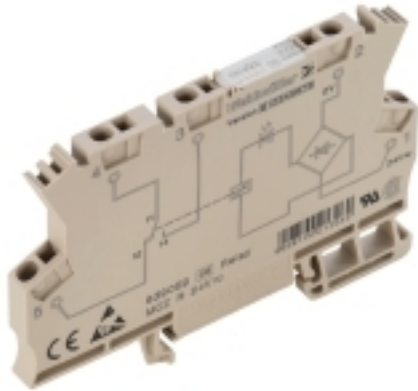
Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

### Product image



Similar to illustration

High reliability in a terminal block format

MCZ SERIES relay modules are among the smallest on the market. Thanks to the small width of just 6.1 mm, a lot of space can be saved in the panel. All products in the series have three cross-connection terminals and are distinguished by simple wiring with plug-in cross-connections. The tension clamp connection system, proven a million times over, and the integrated reverse polarity protection ensure a high level of safety during installation and operation. Precisely fitting accessories from cross-connectors to markers and end plates make the MCZ SERIES versatile and convenient to use.

- Tension clamp connection
- Integrated cross-connection in input/output.
- Clampable conductor cross-section is 0.5 to 1.5 mm<sup>2</sup>
- Variants of the MCZ TRAK type are particularly suitable for the transport sector and tested according to DIN EN 50155

### General ordering data

|            |  |
|------------|--|
| Version    | MCZ SERIES, Relay module, Number of contacts: 1, CO contact AgSnO gold-plated, Rated control voltage: 24 V DC $\pm$ 20 %, Continuous current: 6 A, Tension-clamp connection, Test button available: No |
| Order No.  | <a href="#">844296000</a>  |
| Type       | MCZ R 24VDC 5UAU   |
| GTIN (EAN) | 4032248003891  |
| Qty.       | 10 Stück   |

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## Technische Daten

### Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 63.2 mm | Depth (inches)  | 2.488 inch |
| Height     | 91 mm   | Height (inches) | 3.583 inch |
| Width      | 6.1 mm  | Width (inches)  | 0.24 inch  |
| Net weight | 26 g    |                 |            |

### Temperatures

|                             |   |                             |                |
|-----------------------------|---|-----------------------------|----------------|
| Storage temperature         | -40 °C...60 °C                                    | Operating temperature       | -25 °C...50 °C |
| Operating temperature, min. | -25 °C  | Operating temperature, max. | 50 °C          |
| Humidity                    | 5 - 93% rel. humidity, Tu = 40°C, no condensation |                             |                |

### Rated data UL

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E141197 |
|-------------------------|---------|

### Control side

|                       |               |                                |  |
|-----------------------|---------------|--------------------------------|--|
| Rated control voltage | 24 V DC ±20 % | Rated current DC               | 6.3 mA   |
| Power rating          | 156 mW        | Pull-in/drop-out voltage, typ. | 19 V / 4 V DC                                    |
| Status indicator      | Green LED     | Protective circuit             | Free-wheeling diode, Reverse polarity protection |

### Load side

|   |                                       |   |                                  |
|---|---------------------------------------|---|----------------------------------|
| Rated switching voltage                 | 250 V AC                              | Continuous current                      | 6 A                              |
| Max. switching frequency at rated load  | 0.1 Hz                                | Max. switching voltage, DC              | 250 V                            |
| Inrush current                          | 6 A                                   | AC switching capacity (resistive), max. | 1500 VA                          |
| DC switching capacity (resistive), max. | 120 W @ 24 V                          | Switch-on delay                         | < 5 ms                           |
| Switch-off delay                        | < 15 ms                               | Contact type                            | 1 CO contact (AgSnO gold-plated) |
| Mechanical service life                 | 10 x 10 <sup>6</sup> switching cycles | Min. switching power                    | 1 mA @ 1 V                       |

### General data

|                                      |                          |         |  |
|--------------------------------------|--------------------------|---------|--|
| Rail                                 | TS 35                    |         |  |
| Test button available                | No                       |         |  |
| Mechanical switch position indicator | No                       |         |  |
| Open sides                           | right                    |         |  |
| Colour                               | beige                    |         |  |
| UL94 flammability rating component   | Component                | Housing |  |
|                                      | UL94 flammability rating | V-0     |  |

### Insulation coordination

|  |                           |   |                              |
|--|---------------------------|---|------------------------------|
| Rated voltage                                    | 300 V                     | Pollution severity  | 2                            |
| Surge voltage category                           | III                       | Clearance and creepage distances for control side - load side | ≥ 5.5 mm                     |
| Dielectric strength for control side - load side | 4 kV <sub>eff</sub> / 1 s | Dielectric strength to mounting rail                          | 4 kV <sub>eff</sub> / 1 Min. |
| Impulse withstand voltage                        | 4 kV (1.2/50 µs)          | Protection degree   | IP20                         |

### Further details of approvals / standards

|                       |                |                         |         |
|-----------------------|----------------|-------------------------|---------|
| Certificate No. (CSA) | 154685-1198742 | Certificate No. (cURus) | E141197 |
|-----------------------|----------------|-------------------------|---------|

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 D-32758 Detmold  
 Germany

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## Technische Daten

### Connection data

|   |                          |   |                     |
|---|--------------------------|---|---------------------|
| Wire connection method  | Tension-clamp connection | Stripping length, rated connection  | 8 mm                |
| Clamping range, rated connection  | 1.5 mm <sup>2</sup>      | Clamping range, min.  | 0.5 mm <sup>2</sup> |
| Clamping range, max.  | 1.5 mm <sup>2</sup>      | Wire connection cross section AWG, min.   | AWG 26              |
| Wire connection cross section AWG, max.   | AWG 16                   | Wire cross-section, solid, min.   | 0.5 mm <sup>2</sup> |
| Wire cross-section, solid, max.   | 1.5 mm <sup>2</sup>      | Wire cross-section, solid, min. (AWG)   | AWG 26              |
| Wire cross-section, solid, max. (AWG)   | AWG 16                   | Wire connection cross section, finely stranded, min.                                    | 0.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 1.5 mm <sup>2</sup>      | Wire cross-section, finely stranded, min. (AWG)   | AWG 26              |
| Wire cross-section, finely stranded, max. (AWG)   | AWG 16                   | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.5 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 1.5 mm <sup>2</sup>      | Conductor cross-section, flexible, AEH (DIN 46228-1), min.                              | 0.5 mm <sup>2</sup> |
| Conductor cross-section, flexible, AEH (DIN 46228-1), max.                              | 1.5 mm <sup>2</sup>      | Blade size  | 0.6 x 3.5 mm        |

### Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001437    | ETIM 7.0    | EC001437    |
| ETIM 8.0    | EC001437    | ECLASS 9.0  | 27-37-16-01 |
| ECLASS 9.1  | 27-37-16-01 | ECLASS 10.0 | 27-37-16-01 |
| ECLASS 11.0 | 27-37-16-01 | ECLASS 12.0 | 27-37-16-01 |

### Environmental Product Compliance

|            |                                      |
|------------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1                       |
| SCIP       | 35d83707-6a3b-45b5-b9f8-6ba8184c863e |

### Important note

|                     |   |
|---------------------|---|
| Product information | The cable lengths must not exceed 30 m. |
|---------------------|---|

### Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E141197    |

### Downloads

|   |   |
|---|---|
| Approval/Certificate/Document of Conformity | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>   |
| Engineering Data                            | <a href="#">WSCAD, Zuken E3.S, EPLAN</a>                                |
| User Documentation                          | <a href="#">Beipackzettel / Package Insert – multilingual</a>           |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                |
| Brochures                                   |   |

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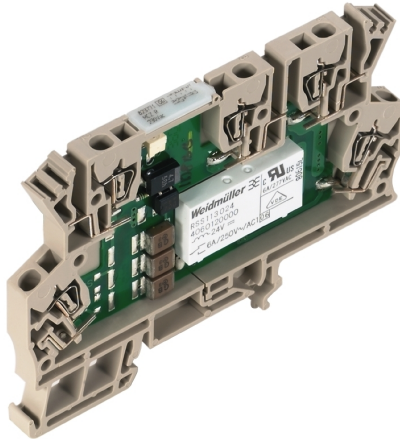
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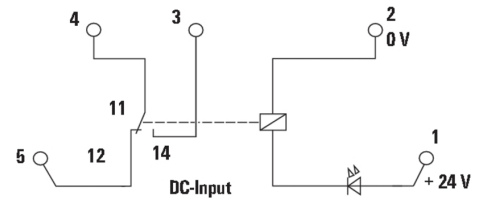
**Zeichnungen**

**Product image**

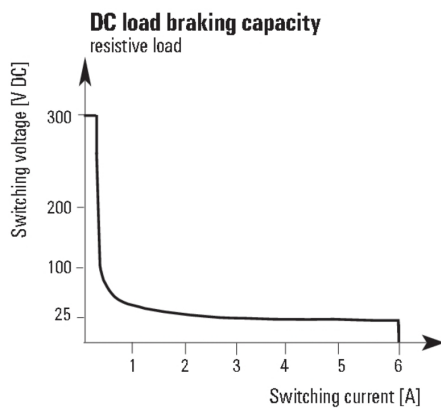


Similar to illustration

**Wiring diagram**

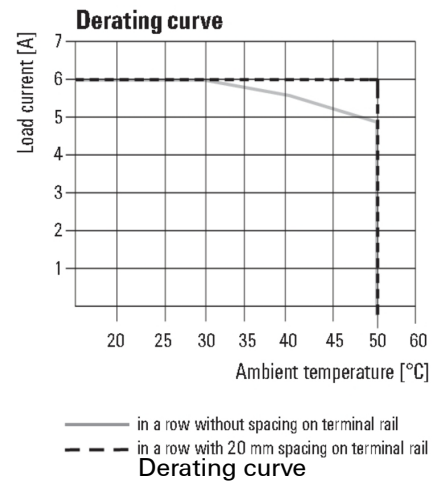


**Graph**



DC load limit curve

**Graph**



**Dimensional drawing**

