

**TRZ 120VAC RC 2CO EMPTY****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Similar to illustration

TERMSERIES empty sockets with:

- 2 CO contacts
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

**General ordering data**

|            |                                                                                                                                                              |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated control voltage: 120 V AC $\pm 10\%$ , Continuous current: 10 A, Tension-clamp connection |
| Order No.  | <a href="#">1124170000</a>                                                                                                                                   |
| Type       | TRZ 120VAC RC 2CO EMPTY                                                                                                                                      |
| GTIN (EAN) | 4032248905904                                                                                                                                                |
| Qty.       | 10 pc(s).                                                                                                                                                    |

Creation date September 16, 2022 12:25:50 AM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 87.8 mm | Depth (inches)  | 3.457 inch |
| Height     | 90.5 mm | Height (inches) | 3.563 inch |
| Width      | 12.8 mm | Width (inches)  | 0.504 inch |
| Net weight | 45 g    |                 |            |

## Temperatures

|                     |                |                       |                |
|---------------------|----------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | -40 °C...60 °C |
|---------------------|----------------|-----------------------|----------------|

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## Rated data UL

|                                               |                                    |                          |
|-----------------------------------------------|------------------------------------|--------------------------|
| Ambient temperature (operational), max. 60 °C | Output current derating (ohmic)    | 6 A @ 60 °C, 8 A @ 50 °C |
| Connection cross-section AWG, min. AWG 26     | Connection cross-section AWG, max. | AWG 14                   |
| Type of conductor                             | Pollution severity level           | 2                        |
| Certificate No. (cURus)                       |                                    |                          |
|                                               |                                    |                          |

## Control side

|                                                                                |                       |                                       |                      |
|--------------------------------------------------------------------------------|-----------------------|---------------------------------------|----------------------|
| Rated control voltage                                                          | 120 V AC $\pm$ 10 %   | Status indicator                      | Green LED            |
| Protective circuit                                                             | Rectifier, RC element | RC filter                             | 94 $\Omega$ / 100 nF |
| Coil voltage of the replacement relay deviating from the rated control voltage | Yes                   | Coil voltage of the replacement relay | 110 V DC             |

## Load side

|                         |              |                    |      |
|-------------------------|--------------|--------------------|------|
| Rated switching voltage | 250 V AC     | Continuous current | 10 A |
| Contact type            | 2 CO contact |                    |      |

## General data

|                                    |                                |                |  |
|------------------------------------|--------------------------------|----------------|--|
| Operating altitude                 | $\leq$ 2000 m, above sea level |                |  |
| Rail                               | TS 35                          |                |  |
| Colour                             | black                          |                |  |
| UL94 flammability rating component | Component                      | Housing        |  |
|                                    | UL94 flammability rating       | V-0            |  |
|                                    | Component                      | Retaining clip |  |
|                                    | 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 | $\geq$ 5.5 mm         |
| Dielectric strength for control side - load side | 1.2 kV <sub>eff</sub> / 5 s  | Dielectric strength of neighbouring contacts                  | 2.5 kV <sub>eff</sub> |
| Dielectric strength to mounting rail             | 4 kV <sub>eff</sub> / 1 Min. | Impulse withstand voltage                                     | 6 kV (1.2/50 $\mu$ s) |
| Protection degree                                | IP20                         |                                                               |                       |

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## Technical data

## Further details of approvals / standards

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E223759 |
|-------------------------|---------|

## 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.                                                                    | 0.14 mm <sup>2</sup> |
| Clamping range, max.                                                                    | 2.5 mm <sup>2</sup>      | Wire connection cross section AWG, min.                                                 | AWG 26               |
| Wire connection cross section AWG, max.                                                 | AWG 14                   | Wire cross-section, solid, min.                                                         | 0.14 mm <sup>2</sup> |
| Wire cross-section, solid, max.                                                         | 2.5 mm <sup>2</sup>      | Wire cross-section, solid, min. (AWG)                                                   | AWG 26               |
| Wire cross-section, solid, max. (AWG)                                                   | AWG 14                   | Wire connection cross section, finely stranded, min.                                    | 0.14 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup>      | Wire cross-section, finely stranded, min. (AWG)                                         | AWG 26               |
| Wire cross-section, finely stranded, max. (AWG)                                         | AWG 14                   | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.14 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.                              | 0.14 mm <sup>2</sup> |
| Conductor cross-section, flexible, AEH (DIN 46228-1), max.                              | 1.5 mm <sup>2</sup>      | Twin wire-end ferrules, min.                                                            | 0.5 mm <sup>2</sup>  |
| Twin wire-end ferrules, max.                                                            | 1 mm <sup>2</sup>        | Blade size                                                                              | 0.6 x 3.5 mm         |
| Pitch in mm (P)                                                                         | 5 mm                     | Gauge to IEC 60947-1                                                                    | A1, B1               |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001456    | ETIM 7.0    | EC001456    |
| ETIM 8.0    | EC001456    | ECLASS 9.0  | 27-37-16-03 |
| ECLASS 9.1  | 27-37-16-03 | ECLASS 10.0 | 27-37-16-03 |
| ECLASS 11.0 | 27-37-16-03 | ECLASS 12.0 | 27-37-16-03 |

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E223759    |

## 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="#">EPLAN, WSCAD</a>                                            |
| User Documentation                          | <a href="#">Beipackzettel / Package Insert – multilingual</a>           |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                |
| Brochures                                   |                                                                         |

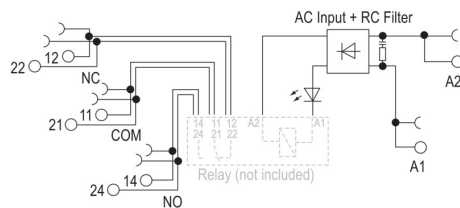
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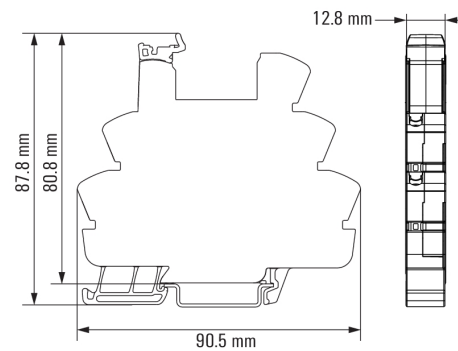
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## Drawings

### Wiring diagram



### Dimensional drawing



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## Drawings

## Miscellaneous

## Type code TERMSERIES electromechanical relay versions



Type codes