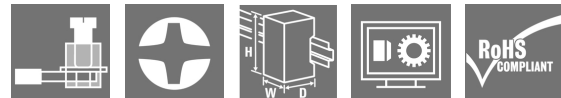
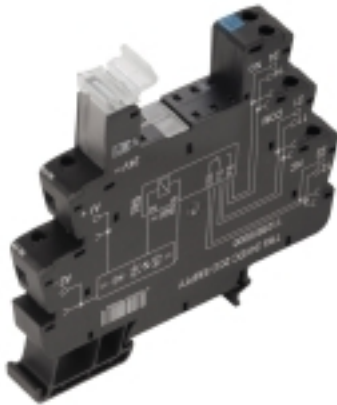


**TRS 12VDC 2CO EMPTY****Weidmüller Interface GmbH & Co. KG**

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: 12 V DC $\pm 20$ %, Continuous current: 10 A, Screw connection |
| Order No.  | <a href="#">1123970000</a>                                                                                                                         |
| Type       | TRS 12VDC 2CO EMPTY                                                                                                                                |
| GTIN (EAN) | 4032248905591                                                                                                                                      |
| Qty.       | 10 pc(s).                                                                                                                                          |

Creation date September 16, 2022 12:12:15 AM CEST

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

# TRS 12VDC 2CO EMPTY

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## Technical data

### Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 87.8 mm | Depth (inches)  | 3.457 inch |
| Height     | 89.6 mm | Height (inches) | 3.528 inch |
| Width      | 12.8 mm | Width (inches)  | 0.504 inch |
| Net weight | 42 g    |                 |            |

### Temperatures

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

### Environmental Product Compliance

|            |                |      |                                      |
|------------|----------------|------|--------------------------------------|
| REACH SVHC | Lead 7439-92-1 | SCIP | 9e2cbc49-76d9-4611-b8ec-5b4f549a0aa9 |
|------------|----------------|------|--------------------------------------|

### 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                             | rigid copper conductor,<br>flexible copper conductor | Tightening torque, max.            | 0.4 Nm                   |
| Pollution severity level                      | 2                                                    | Certificate No. (cURus)            | E223759                  |

### Control side

|                                       |                                                     |                                                                                   |           |
|---------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------|-----------|
| Rated control voltage                 | 12 V DC $\pm$ 20 %                                  | Status indicator                                                                  | Green LED |
| Protective circuit                    | Free-wheeling diode,<br>Reverse polarity protection | Coil voltage of the replacement relay<br>deviating from the rated control voltage | No        |
| Coil voltage of the replacement relay | 12 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<br>control side - load side | $\geq$ 5.5 mm         |
| Dielectric strength for control side - load<br>side | 1.2 kV <sub>eff</sub> / 5 s  | Dielectric strength of neighbouring<br>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                                                                  | Screw connection     | Stripping length, rated connection                                                      | 8 mm                |
| Tightening torque, max.                                                                 | 0.4 Nm               | 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. | 0.25 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup> |
| Conductor cross-section, flexible, AEH (DIN 46228-1), min.                              | 0.25 mm <sup>2</sup> | Conductor cross-section, flexible, AEH (DIN 46228-1), max.                              | 2.5 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, two clampable wires, min.               | 0.5 mm <sup>2</sup>  | Wire cross-section, finely stranded, two clampable wires, max.                          | 1 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                                                                              | size PH0             | 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                                   |                                                                         |

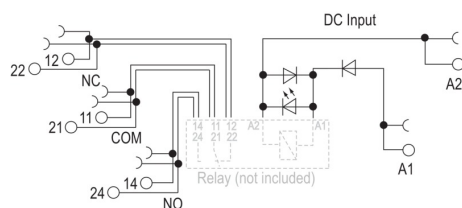
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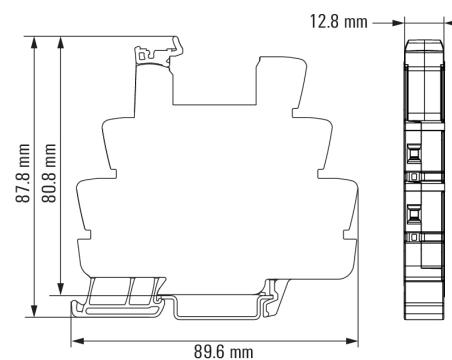
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## Drawings

### Wiring diagram



### Dimensional drawing

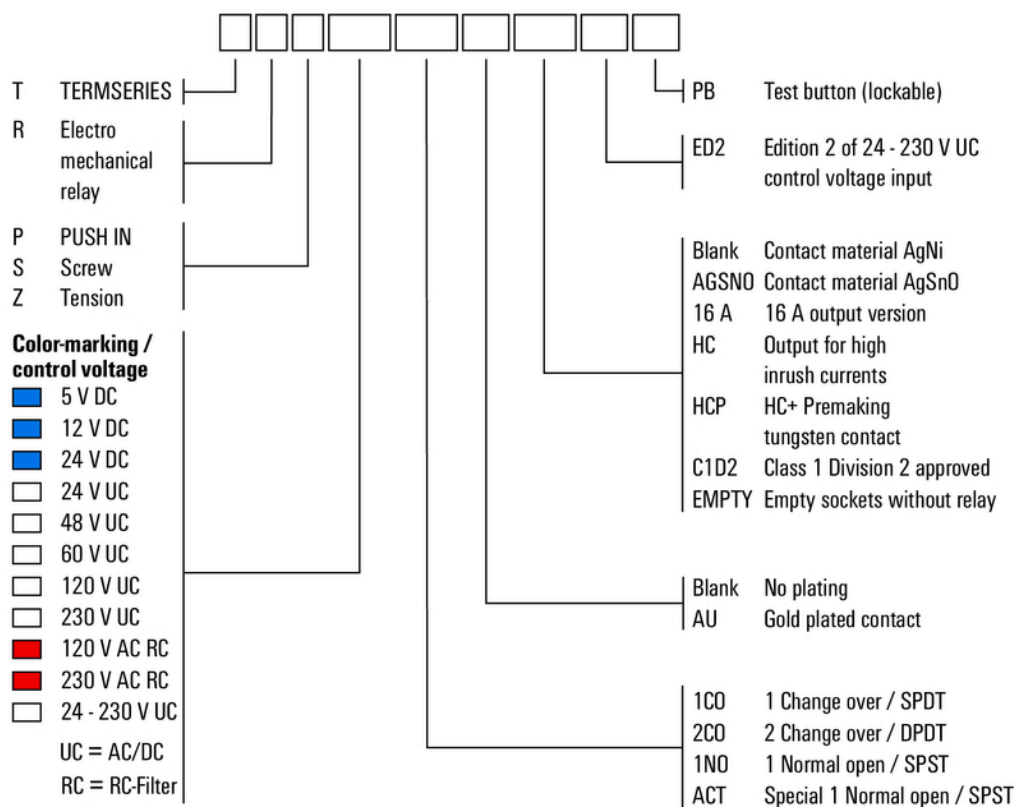


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**Drawings**
**Miscellaneous**
**Type code TERMSERIES electromechanical relay versions**


Type codes