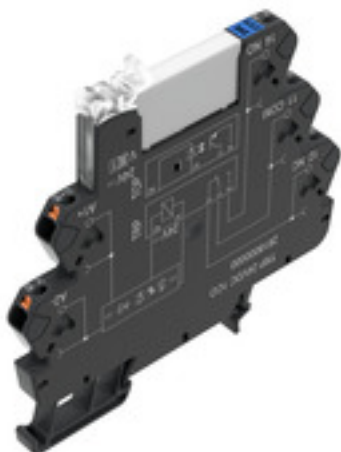


**TRP 5VDC 1CO AGSNO****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Similar to illustration

- 1 and 2 CO contacts
- Contact material: AgNi, AgSnO, AgNi 5µm Au
- Input voltages 5 V DC and 12 V DC with coloured marking: DC: blue

**General ordering data**

|            |                                                                                                                                                                           |
|------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version    | TERMSERIES, Relay module, Number of contacts: 1, CO contact AgSnO, Rated control voltage: 5 V DC $\pm 20\%$ , Continuous current: 6 A, PUSH IN, Test button available: No |
| Order No.  | <a href="#">2614820000</a>                                                                                                                                                |
| Type       | TRP 5VDC 1CO AGSNO                                                                                                                                                        |
| GTIN (EAN) | 4050118671087                                                                                                                                                             |
| Qty.       | 10 pc(s).                                                                                                                                                                 |

Creation date September 18, 2022 12:48:57 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     | 89.4 mm | Height (inches) | 3.52 inch  |
| Width      | 6.4 mm  | Width (inches)  | 0.252 inch |
| Net weight | 29 g    |                 |            |

## Temperatures

|                     |                                                                            |                       |                |
|---------------------|----------------------------------------------------------------------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C                                                             | Operating temperature | -40 °C...60 °C |
| Humidity            | 5-95% relative humidity,<br>T <sub>u</sub> = 40°C, without<br>condensation |                       |                |

## 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)    | 5 A @ 60 °C, 6 A @ 55 °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 | Pollution severity level           | 2                        |

## Control side

|                                       |                                                     |                                                                                   |              |
|---------------------------------------|-----------------------------------------------------|-----------------------------------------------------------------------------------|--------------|
| Rated control voltage                 | 5 V DC ±20 %                                        | Rated current DC                                                                  | 33 mA        |
| Power rating                          | 170 mW                                              | Pull-in/drop-out voltage, typ.                                                    | 4 V / 1 V DC |
| Pull-in/drop-out current, typ.        | 22.5 mA / 4.5 mA DC                                 | 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 | 5 V DC                                              |                                                                                   |              |

## 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                          | 30 A / 20 ms                         | AC switching capacity (resistive), max. | 1500 VA              |
| DC switching capacity (resistive), max. | 144 W @ 24 V                         | Switch-on delay                         | ≤ 7 ms               |
| Switch-off delay                        | ≤ 6 ms                               | Contact type                            | 1 CO contact (AgSnO) |
| Mechanical service life                 | 5 x 10 <sup>6</sup> switching cycles | Min. switching power                    | 100 mA @ 12 V        |

## General data

|                                      |                           |                |  |
|--------------------------------------|---------------------------|----------------|--|
| Operating altitude                   | ≤ 2000 m, above sea level |                |  |
| Rail                                 | TS 35                     |                |  |
| Test button available                | No                        |                |  |
| Mechanical switch position indicator | No                        |                |  |
| Colour                               | black                     |                |  |
| UL94 flammability rating component   | Component                 | Housing        |  |
|                                      | UL94 flammability rating  | V-0            |  |
|                                      | Component                 | Retaining clip |  |
|                                      | UL94 flammability rating  | V-0            |  |
|                                      | Component                 | Pusher         |  |
|                                      | UL94 flammability rating  | V-0            |  |

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## Technical data

## Insulation coordination

|                                                  |                              |                                                               |                              |
|--------------------------------------------------|------------------------------|---------------------------------------------------------------|------------------------------|
| Rated voltage                                    | 300 V                        | Pollution severity                                            | 2                            |
| Surge voltage category                           | III                          | Clearance and creepage distances for control side - load side | ≥ 6 mm                       |
| Dielectric strength for control side - load side | 4 kV <sub>eff</sub> / 1 Min. | Type of isolation at input and output                         | reinforced insulation        |
| Dielectric strength of open contact              | 1 kV <sub>eff</sub> / 1 min  | Dielectric strength to mounting rail                          | 4 kV <sub>eff</sub> / 1 Min. |
| Impulse withstand voltage                        | 6 kV (1.2/50 µs)             | Protection degree                                             | IP20                         |

## Further details of approvals / standards

|                         |             |                         |            |
|-------------------------|-------------|-------------------------|------------|
| Standards               | IEC 61810-1 | Certificate No. (DNVGL) | TAA00001E5 |
| Certificate no. (cULus) | E141197     |                         |            |

## Connection data

|                                                                                         |                     |                                                                                         |                      |
|-----------------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------------|----------------------|
| Wire connection method                                                                  | PUSH IN             | Stripping length, rated connection                                                      | 9 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                                                                              | 0.4 x 2.0 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 |

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate no. (cULus) | E141197    |

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## Technical data

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

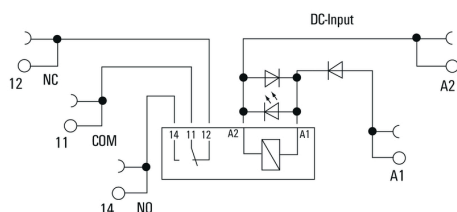
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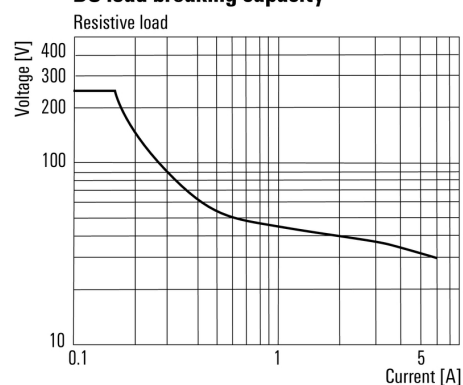
## Drawings

## Wiring diagram



## Graph

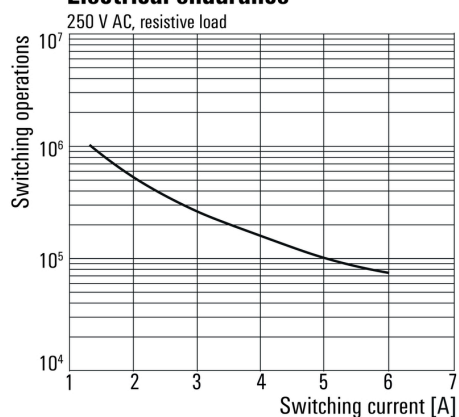
### DC load breaking capacity



### DC load limit curve

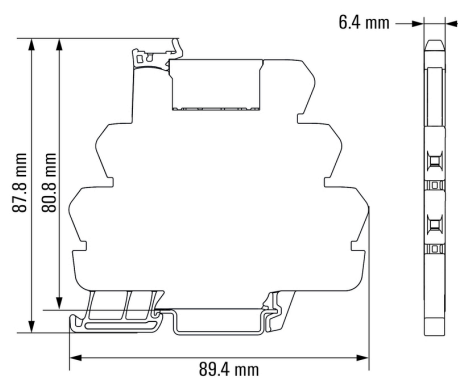
## Graph

### Electrical endurance



Electrical service life 230 V AC resistive load  
230 V AC resistive load

## Dimensional drawing



## TRP 5VDC 1CO AGSNO

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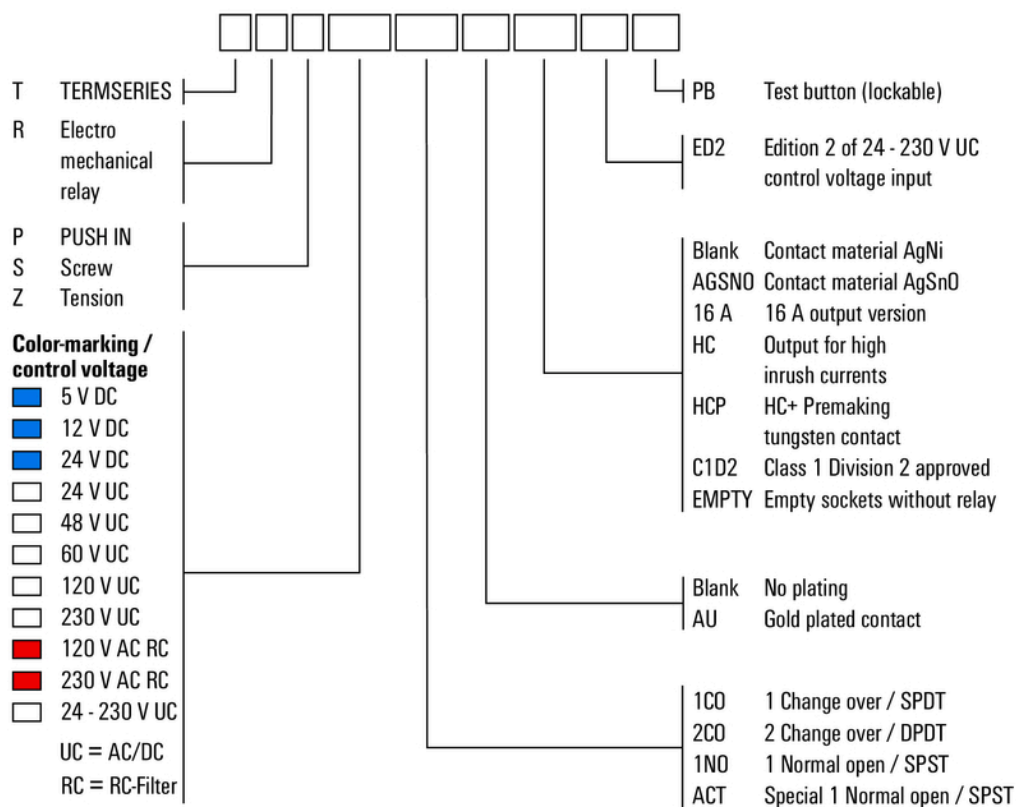
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## Drawings

## Miscellaneous

## Type code TERMSERIES electromechanical relay versions



Type codes

# Mouser Electronics

Authorized Distributor

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