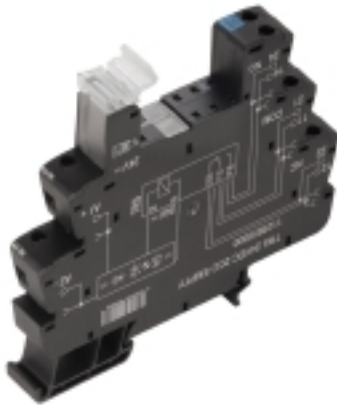


**TRS 120VUC 2CO EMPTY****Weidmüller Interface GmbH & Co. KG**

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 bases, Number of contacts: 2, CO contact, Rated control voltage: 120 V UC $\pm 10\%$ , Continuous current: 10 A, Screw connection |
| Order No.  | <a href="#">1124020000</a>                                                                                                                          |
| Type       | TRS 120VUC 2CO EMPTY                                                                                                                                |
| GTIN (EAN) | 4032248905812                                                                                                                                       |
| Qty.       | 10 pc(s).                                                                                                                                           |

Creation date March 23, 2021 1:03:05 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

# TRS 120VUC 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 |
| Net weight     | 42 g       | Width           | 12.8 mm    |
| Width (inches) | 0.504 inch |                 |            |

### 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

|                                    |                           |                                         |                                                      |
|------------------------------------|---------------------------|-----------------------------------------|------------------------------------------------------|
| Operating altitude                 | ≤ 2000 m, above sea level | 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

|                                       |           |                                                                                   |                 |
|---------------------------------------|-----------|-----------------------------------------------------------------------------------|-----------------|
| Coil voltage of the replacement relay | 110 V DC  | Coil voltage of the replacement relay<br>deviating from the rated control voltage | Yes             |
| Protective circuit                    | Rectifier | Rated control voltage                                                             | 120 V UC ± 10 % |
| Status indicator                      | Green LED |                                                                                   |                 |

### Load side

|                    |      |                         |          |
|--------------------|------|-------------------------|----------|
| Continuous current | 10 A | Rated switching voltage | 250 V AC |
|--------------------|------|-------------------------|----------|

### Contact data

|              |              |
|--------------|--------------|
| Contact type | 2 CO contact |
|--------------|--------------|

### General data

|                                    |                          |                |
|------------------------------------|--------------------------|----------------|
| 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

|                                                   |                              |                                                 |                             |
|---------------------------------------------------|------------------------------|-------------------------------------------------|-----------------------------|
| Creepage and clearance distance input –<br>output | ≥ 5.5 mm                     | Dielectric strength of neighbouring<br>contacts | 2.5 kV <sub>eff</sub>       |
| Dielectric strength to mounting rail              | 4 kV <sub>eff</sub> / 1 Min. | Dielectric strength, Input/Output               | 1.2 kV <sub>eff</sub> / 5 s |
| Impulse withstand voltage                         | 6 kV (1.2/50 µs)             | Pollution severity                              | 2                           |
| Protection degree                                 | IP20                         | Rated voltage                                   | 300 V                       |
| Surge voltage category                            | III                          |                                                 |                             |

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## Technical data

## Further details of approvals / standards

|           |              |                         |         |
|-----------|--------------|-------------------------|---------|
| Standards | DIN EN 50178 | 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    |
| 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 |

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E223759 |

## Downloads

|                                             |                                                                         |
|---------------------------------------------|-------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                    |
| Engineering Data                            | <a href="#">EPLAN, WSCAD</a>                                            |
| User Documentation                          | <a href="#">Beipackzettel / Package Insert – multilingual</a>           |

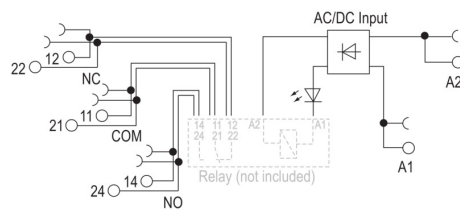
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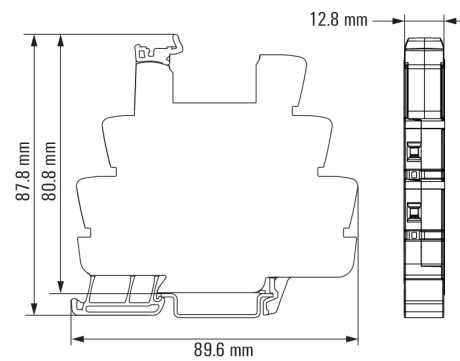
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## Drawings

### Wiring diagram



### Dimensional drawing



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## Drawings

### Miscellaneous

### Type code TERMSERIES electromechanical relay versions



Type codes