

**RSS113024F****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Similar to illustration

Individual relays for TERMSERIES

- Electromechanical relays
- Different contact materials

**General ordering data**

|            |   |
|------------|---|
| Version    | TERMSERIES, Relay, Number of contacts: 1, CO contact AgNi, Rated control voltage: 24 V DC, Continuous current: 6 A, Plug-in connection, Test button available: No |
| Order No.  | <a href="#">1454430000</a>  |
| Type       | RSS113024F  |
| GTIN (EAN) | 4050118261042   |
| Qty.       | 18 pc(s).   |

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## Technical data

### Dimensions and weights

|            |       |                 |            |
|------------|-------|-----------------|------------|
| Depth      | 15 mm | Depth (inches)  | 0.591 inch |
| Height     | 28 mm | Height (inches) | 1.102 inch |
| Width      | 5 mm  | Width (inches)  | 0.197 inch |
| Net weight | 5.1 g |                 |            |

### Temperatures

|                     |   |                       |                |
|---------------------|---|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C                          | Operating temperature | -40 °C...85 °C |
| Humidity            | 5...85 % rel. humidity, no condensation |                       |                |

### Rated data UL

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E475330 |
|-------------------------|---------|

### Control side

|                       |         |                  |                        |
|-----------------------|---------|------------------|------------------------|
| Rated control voltage | 24 V DC | Rated current DC | 7 mA                   |
| Power rating          | 170 mW  | Coil resistance  | 3390 $\Omega \pm 15\%$ |
| Coil tolerance        | 15 %    | Status indicator | No                     |

### Load side

|   |                                       |   |   |
|---|---------------------------------------|---|---|
| Rated switching voltage                 | 250 V AC                              | Max. switching frequency at rated load  | 0.1 Hz                                  |
| Max. switching voltage, AC              | 250 V                                 | Max. switching voltage, DC              | 250 V                                   |
| Inrush current                          | 20 A / 20 ms                          | AC switching capacity (resistive), max. | 1500 VA                                 |
| DC switching capacity (resistive), max. | 144 W @ 24 V                          | Switch-on delay                         | <8 ms                                   |
| Switch-off delay                        | <4 ms                                 | Contact type                            | 1 CO contact (AgNi)                     |
| Mechanical service life                 | 10 x 10 <sup>6</sup> switching cycles | Min. switching power                    | 1 mA @ 24 V, 10 mA @ 10 V, 100 mA @ 5 V |

### General data

|                       |       |                                      |     |
|-----------------------|-------|--------------------------------------|-----|
| Test button available | No    | Mechanical switch position indicator | No  |
| Colour                | white | UL 94 flammability rating            | V-0 |

### Insulation coordination

|   |                             |  |                              |
|---|-----------------------------|--|------------------------------|
| Clearance and creepage distances for control side - load side | $\geq 6$ mm                 | Dielectric strength for control side - load side | 4 kV <sub>eff</sub> / 1 Min. |
| Dielectric strength of open contact                           | 1 kV <sub>eff</sub> / 1 min | Protection degree                                | IP67                         |

### Further details of approvals / standards

|                       |          |                         |         |
|-----------------------|----------|-------------------------|---------|
| Certificate No. (VDE) | 40049192 | Certificate No. (cURus) | E475330 |
|-----------------------|----------|-------------------------|---------|

### Connection data

|                        |                    |
|------------------------|--------------------|
| Wire connection method | Plug-in connection |
|------------------------|--------------------|

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## Technical data

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001437    | ETIM 7.0    | EC001437    |
| ETIM 8.0    | EC001437    | ETIM 9.0    | 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 | ECLASS 13.0 | 27-37-16-01 |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| REACH SVHC             | /                           |
| RoHS Compliance Status | Compliant without exemption |

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E475330    |

## Downloads

|                    |  |
|--------------------|--|
| Engineering Data   | <a href="#">CAD data – STEP</a>                      |
| User Documentation | <a href="#">FL_TERM SERIES_RSS1COAgNi_LOAD_GUIDE</a> |
| Catalogues         | <a href="#">Catalogues in PDF-format</a>             |

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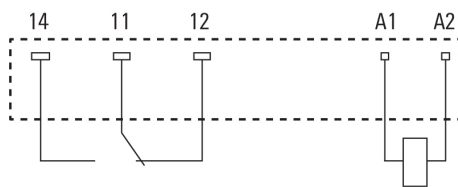
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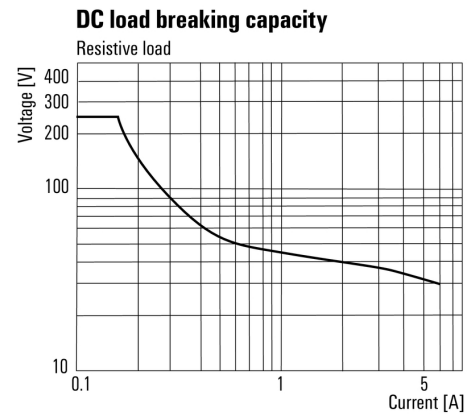
## Drawings

## Wiring diagram



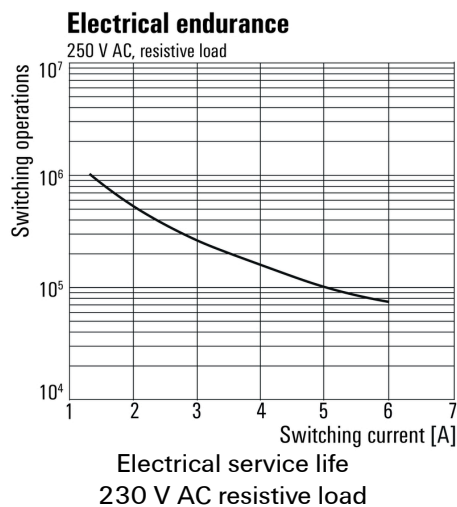
View of Pins from below

## Graph

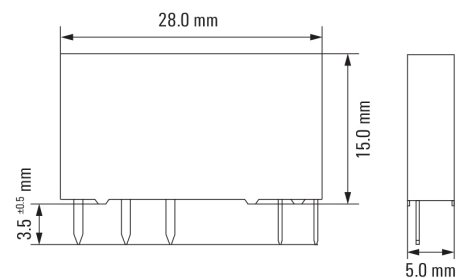


DC load limit curve

## Graph



## Dimensional drawing



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## Accessories

## PUSH IN connection



TERMSERIES empty sockets with:

- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages with coloured marking: 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

|            |                             |   |
|------------|-----------------------------|---|
| Type       | TRP 48VUC 1CO EMPTY         | Version   |
| Order No.  | <a href="#">2618920000</a>  | TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated      |
| GTIN (EAN) | 4050118669916               | control voltage: 48 V UC $\pm 10\%$ , Continuous current: 10 A, PUSH IN |
| Qty.       | 10 pc(s).                   |   |
| Type       | TRP 24VDC 1CO EMPTY         | Version   |
| Order No.  | <a href="#">2618870000</a>  | TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated      |
| GTIN (EAN) | 4050118669961               | control voltage: 24 V DC $\pm 20\%$ , Continuous current: 10 A, PUSH IN |
| Qty.       | 10 pc(s).                   |   |
| Type       | TRP 24VUC 1CO EMPTY         | Version   |
| Order No.  | <a href="#">2618910000</a>  | TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated      |
| GTIN (EAN) | 4050118669923               | control voltage: 24 V UC $\pm 10\%$ , Continuous current: 10 A, PUSH IN |
| Qty.       | 10 pc(s).                   |   |
| Type       | TRP 24-230VUC 1CO EMPTY ... | Version   |
| Order No.  | <a href="#">2663030000</a>  | TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated      |
| GTIN (EAN) | 4050118698046               | control voltage: 24...230 V UC $\pm 10\%$ , Continuous current: 10 A,   |
| Qty.       | 10 pc(s).                   | PUSH IN   |

## Screw connection



TERMSERIES empty sockets with:

- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages with coloured marking: 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

|            |                            |   |
|------------|----------------------------|---|
| Type       | TRS 48VUC 1CO EMPTY        | Version   |
| Order No.  | <a href="#">1123270000</a> | TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated    |
| GTIN (EAN) | 4032248905423              | control voltage: 48 V UC $\pm 10\%$ , Continuous current: 10 A, Screw |
| Qty.       | 10 pc(s).                  | connection  |
| Type       | TRS 24-230VUC 1CO EMPTY    | Version   |
| Order No.  | <a href="#">1123330000</a> | TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated    |
| GTIN (EAN) | 4032248905614              | control voltage: 24...230 V UC $\pm 10\%$ , Continuous current: 10 A, |
| Qty.       | 10 pc(s).                  | Screw connection  |

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## Accessories

|            |                            |   |
|------------|----------------------------|---|
| Type       | TRS 24VDC 1CO EMPTY        | Version   |
| Order No.  | <a href="#">1123240000</a> | TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated    |
| GTIN (EAN) | 4032248905485              | control voltage: 24 V DC $\pm 20\%$ , Continuous current: 10 A, Screw |
| Qty.       | 10 pc(s).                  | connection  |
| Type       | TRS 24VUC 1CO EMPTY        | Version   |
| Order No.  | <a href="#">1123250000</a> | TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated    |
| GTIN (EAN) | 4032248905713              | control voltage: 24 V UC $\pm 10\%$ , Continuous current: 10 A, Screw |
| Qty.       | 10 pc(s).                  | connection  |

## Tension clamp connection



TERMSERIES empty sockets with:

- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages with coloured marking: 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

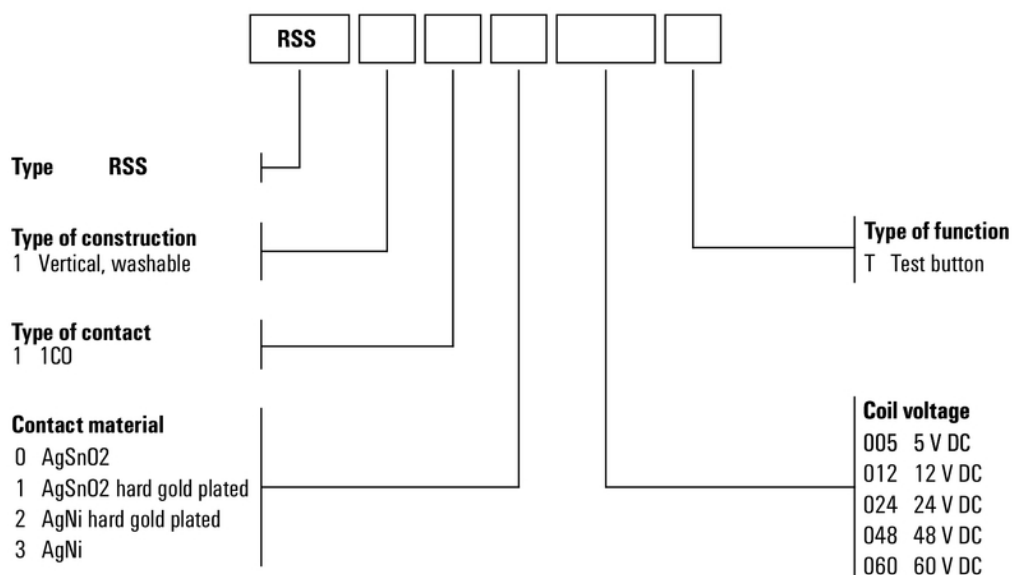
|            |                            |  |
|------------|----------------------------|--|
| Type       | TRZ 24-230VUC 1CO EMPTY    | Version  |
| Order No.  | <a href="#">1123450000</a> | TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated       |
| GTIN (EAN) | 4032248905508              | control voltage: 24...230 V UC $\pm 10\%$ , Continuous current: 10 A,    |
| Qty.       | 10 pc(s).                  | Tension-clamp connection   |
| Type       | TRZ 48VUC 1CO EMPTY        | Version  |
| Order No.  | <a href="#">1123390000</a> | TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated       |
| GTIN (EAN) | 4032248905331              | control voltage: 48 V UC $\pm 10\%$ , Continuous current: 10 A, Tension- |
| Qty.       | 10 pc(s).                  | clamp connection   |
| Type       | TRZ 24VDC 1CO EMPTY        | Version  |
| Order No.  | <a href="#">1123370000</a> | TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated       |
| GTIN (EAN) | 4032248905324              | control voltage: 24 V DC $\pm 20\%$ , Continuous current: 10 A, Tension- |
| Qty.       | 10 pc(s).                  | clamp connection   |
| Type       | TRZ 24VUC 1CO EMPTY        | Version  |
| Order No.  | <a href="#">1123380000</a> | TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated       |
| GTIN (EAN) | 4032248905195              | control voltage: 24 V UC $\pm 10\%$ , Continuous current: 10 A, Tension- |
| Qty.       | 10 pc(s).                  | clamp connection   |

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[www.weidmueller.com](http://www.weidmueller.com)**Drawings****Miscellaneous****Type code electromechanical relay (TERMSERIES)**

Type codes