

**TERMSERIES**  
**RSS112060 60VDC-REL1U**

**Weidmüller Interface GmbH & Co. KG**  
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[www.weidmueller.com](http://www.weidmueller.com)



TERMSERIES accessories include:

- Spare relay
- Base
- Partition plates
- Cross-connections
- Power-feed modules

**General ordering data**

|            |                                                                                                                                              |
|------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| Order No.  | <a href="#">4061600000</a>                                                                                                                   |
| Type       | RSS112060 60VDC-REL1U                                                                                                                        |
| Version    | TERMSERIES, Relais, No. of contacts: 1, CO contact, AgNi 5µm Au, Rated control voltage: 60 V DC, Continuous current: 6 A, Plug-in connection |
| GTIN (EAN) | 4032248252299                                                                                                                                |
| Qty.       | 20 pc(s).                                                                                                                                    |

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**Technical data**
**Ratings**

|                             |                    |                           |                                         |
|-----------------------------|--------------------|---------------------------|-----------------------------------------|
| Conductor connection system | Plug-in connection | Humidity                  | 5...85 % rel. humidity, no condensation |
| Weight                      | 5 g                | UL 94 flammability rating | V-0                                     |

**Dimensions and weights**

|            |        |        |       |
|------------|--------|--------|-------|
| Width      | 5 mm   | Height | 28 mm |
| Depth      | 15 mm  | Weight | 5 g   |
| Net weight | 4.56 g |        |       |

**Temperatures**

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

**Input**

|                                                |                         |                  |        |
|------------------------------------------------|-------------------------|------------------|--------|
| Rated control voltage                          | 60 V DC                 | Rated current DC | 3 mA   |
| Coil resistance                                | 20570 $\Omega \pm 10\%$ | Power rating     | 180 mW |
| Pull-in (sparkover) / drop-out voltage DC coil | 42 V / 3V               |                  |        |

**Output**

|                            |            |                                        |         |
|----------------------------|------------|----------------------------------------|---------|
| Rated switching voltage    | 250 V AC   | Max. switching voltage, AC             | 250 V   |
| Max. switching voltage, DC | 250 V      | Continuous current                     | 6 A     |
| making current             | 6 A        | Max. switching power                   | 1500 VA |
| Switch-on delay            | < 8 ms     | Switch-off delay                       | < 4 ms  |
| Min. switching power       | 1 V / 1 mA | Max. switching frequency at rated load | 0.1 Hz  |

**Contact specifications**

|                  |                   |                         |                                      |
|------------------|-------------------|-------------------------|--------------------------------------|
| No. of contacts  | 1                 | Contact design          | CO contact                           |
| Contact material | AgNi 5 $\mu$ m Au | Mechanical service life | 5 x 10 <sup>6</sup> switching cycles |

**Insulation coordination**

|                                                               |                       |                                                  |                              |
|---------------------------------------------------------------|-----------------------|--------------------------------------------------|------------------------------|
| Clearance and creepage distances for control side - load side | $\geq 5.5$ mm         | Dielectric strength for control side - load side | 4 kV <sub>eff</sub> / 1 min. |
| Impulse withstand voltage                                     | 6 kV (1.2/50 $\mu$ s) | Protection degree                                | IP 67                        |

**Other technical data**

|         |       |
|---------|-------|
| Version | Relay |
|---------|-------|

**Further details of approvals / standards**

|           |                    |
|-----------|--------------------|
| Standards | IEC 61810-1, UL508 |
|-----------|--------------------|

**Classifications**

|            |             |            |             |
|------------|-------------|------------|-------------|
| ETIM 2.0   | EC001437    | ETIM 3.0   | EC001437    |
| UNSPSC     | 30-21-19-17 | eClass 4.1 | 40-02-06-14 |
| eClass 5.1 | 27-37-16-01 | eClass 6.0 | 27-37-16-03 |
| eClass 7.0 | 27-37-16-03 |            |             |

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**Technical data**

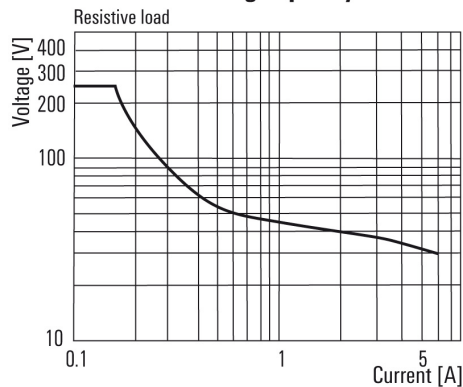
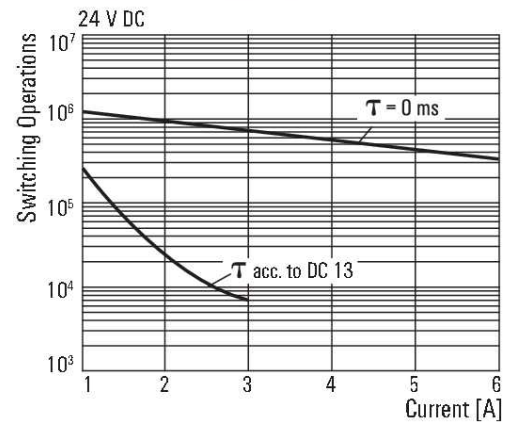
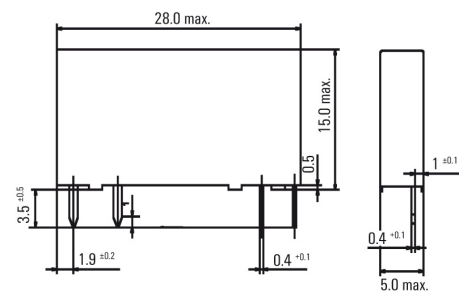
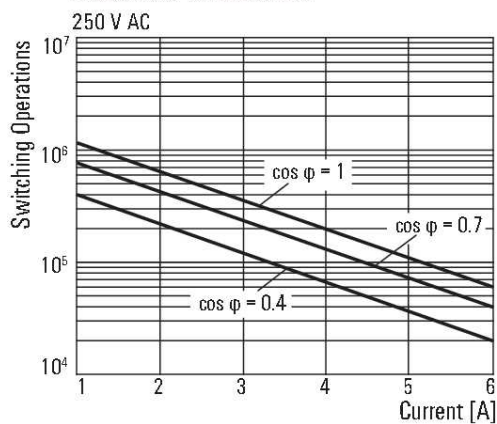
**Approvals**

Approvals



**TERMSERIES**  
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**Drawings**
**DC load breaking capacity**

**Electrical endurance**

**Electrical endurance**


## TERMSERIES

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## Mating connector (fully pluggable)

### Screw connection



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### General ordering data

| Order No.                  | Type                    | Version                                                                  | GTIN (EAN)    | Qty.      |
|----------------------------|-------------------------|--------------------------------------------------------------------------|---------------|-----------|
| <a href="#">1123320000</a> | TRS 230VAC RC 1CO EMPTY | TERMSERIES, Relay base,<br>Continuous current: 10 A,<br>Screw connection | 4032248905522 | 10 pc(s). |
| <a href="#">1123310000</a> | TRS 120VAC RC 1CO EMPTY | TERMSERIES, Relay base,<br>Continuous current: 10 A,<br>Screw connection | 4032248905317 | 10 pc(s). |
| <a href="#">1123290000</a> | TRS 120VUC 1CO EMPTY    | TERMSERIES, Relay base,<br>Continuous current: 10 A,<br>Screw connection | 4032248905461 | 10 pc(s). |
| <a href="#">1123300000</a> | TRS 230VUC 1CO EMPTY    | TERMSERIES, Relay base,<br>Continuous current: 10 A,<br>Screw connection | 4032248905515 | 10 pc(s). |
| <a href="#">1123280000</a> | TRS 60VUC 1CO EMPTY     | TERMSERIES, Relay base,<br>Continuous current: 10 A,<br>Screw connection | 4032248905270 | 10 pc(s). |

### Tension clamp connection



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### General ordering data

| Order No.                  | Type                    | Version                                                                          | GTIN (EAN)    | Qty.      |
|----------------------------|-------------------------|----------------------------------------------------------------------------------|---------------|-----------|
| <a href="#">1123430000</a> | TRZ 120VAC RC 1CO EMPTY | TERMSERIES, Relay base,<br>Continuous current: 10 A,<br>Tension clamp connection | 4032248905188 | 10 pc(s). |
| <a href="#">1123410000</a> | TRZ 120VUC 1CO EMPTY    | TERMSERIES, Relay base,<br>Continuous current: 10 A,<br>Tension clamp connection | 4032248905690 | 10 pc(s). |
| <a href="#">1123440000</a> | TRZ 230VAC RC 1CO EMPTY | TERMSERIES, Relay base,<br>Continuous current: 10 A,<br>Tension clamp connection | 4032248905171 | 10 pc(s). |

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**TERMSERIES**  
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**Mating connector (fully pluggable)**[1123420000](#) TRZ 230VUC 1CO EMPTY

TERMSERIES, Relay base, 4032248905683 10 pc(s).  
Continuous current: 10 A,  
Tension clamp connection

[1123400000](#) TRZ 60VUC 1CO EMPTY

TERMSERIES, Relay base, 4032248905546 10 pc(s).  
Continuous current: 10 A,  
Tension clamp connection