

**TERMSERIES**  
**RSS112024****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

**Product image**

Similar to illustration

TERMSERIES accessories include:

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

**General ordering data**

|            |                                                                                                                                               |
|------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Type       | RSS112024                                                                                                                                     |
| Order No.  | <a href="#">4061590000</a>                                                                                                                    |
| Version    | TERMSERIES, Relay, Number of contacts: 1, CO contact AgNi 5µm Au, Rated control voltage: 24 V DC, Continuous current: 6 A, Plug-in connection |
| GTIN (EAN) | 4032248252282                                                                                                                                 |
| Qty.       | 20 pc(s).                                                                                                                                     |

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**Technical data**
**Dimensions and weights**

|            |       |                 |            |
|------------|-------|-----------------|------------|
| Width      | 5 mm  | Width (inches)  | 0.197 inch |
| Height     | 28 mm | Height (inches) | 1.102 inch |
| Depth      | 15 mm | Depth (inches)  | 0.591 inch |
| Net weight | 4.5 g |                 |            |

**Temperatures**

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

**Environmental Product Compliance**

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

**Rated data UL**

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E351070 |
|-------------------------|---------|

**Input**

|                       |                        |                                |                   |
|-----------------------|------------------------|--------------------------------|-------------------|
| Rated control voltage | 24 V DC                | Rated current DC               | 7 mA              |
| Power rating          | 170 mW                 | Pull-in/drop-out voltage, typ. | 16.8 V / 2.4 V DC |
| Coil resistance       | 3388 $\Omega \pm 10\%$ |                                |                   |

**Output**

|                                         |            |                                         |              |
|-----------------------------------------|------------|-----------------------------------------|--------------|
| Rated switching voltage                 | 250 V AC   | Max. switching voltage, AC              | 250 V        |
| Max. switching voltage, DC              | 250 V      | Continuous current                      | 6 A          |
| 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       |
| Min. switching power                    | 1 mA @ 1 V | Max. switching frequency at rated load  | 0.1 Hz       |

**Contact data**

|              |                                  |                         |                                      |
|--------------|----------------------------------|-------------------------|--------------------------------------|
| Contact type | 1 CO contact (AgNi 5 $\mu$ m Au) | Mechanical service life | 5 x 10 <sup>6</sup> switching cycles |
|--------------|----------------------------------|-------------------------|--------------------------------------|

**General data**

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

**Insulation coordination**

|                                               |                             |                                                |                              |
|-----------------------------------------------|-----------------------------|------------------------------------------------|------------------------------|
| Protection degree                             | IP67                        | Dielectric strength, Input/Output              | 4 kV <sub>eff</sub> / 1 Min. |
| Impulse withstand voltage at input and output | 6 kV (1.2/50 $\mu$ s)       | Creepage and clearance distance input – output | $\geq 5.5$ mm                |
| Dielectric strength of open contact           | 1 kV <sub>eff</sub> / 1 min |                                                |                              |

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**Technical data****Further details of approvals / standards**

|                         |                    |                       |          |
|-------------------------|--------------------|-----------------------|----------|
| Standards               | IEC 61810-1, UL508 | Certificate No. (VDE) | 40029391 |
| Certificate No. (cURus) | E351070            |                       |          |

**Connection data**

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

**Classifications**

|             |             |            |             |
|-------------|-------------|------------|-------------|
| ETIM 6.0    | EC001437    | ETIM 7.0   | EC001437    |
| eClass 9.0  | 27-37-16-01 | eClass 9.1 | 27-37-16-01 |
| eClass 10.0 | 27-37-16-01 |            |             |

**Approvals**

Approvals



|      |         |
|------|---------|
| ROHS | Conform |
|------|---------|

**Downloads**

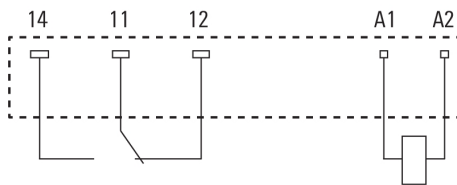
|                    |                                         |
|--------------------|-----------------------------------------|
| Brochure/Catalogue | <a href="#">CAT 4.2 ELECTR 18/19 EN</a> |
| Engineering Data   | <a href="#">WSCAD</a>                   |
| Engineering Data   | <a href="#">STEP</a>                    |

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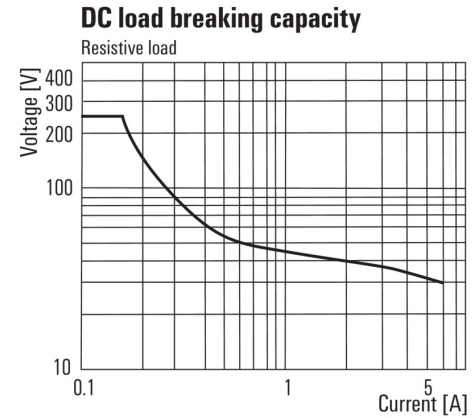
## Drawings

### Wiring diagram



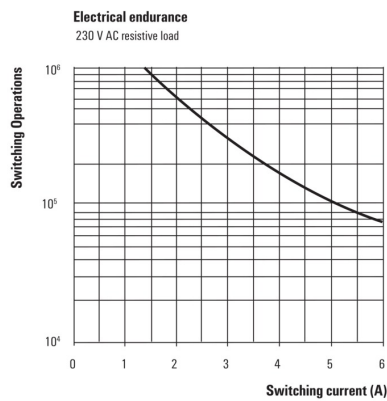
View of Pins from below

### Graph



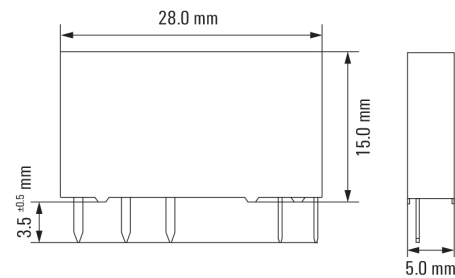
DC load limit curve

### Graph



Electrical service life  
230 V AC resistive load

### Dimensional drawing



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**Drawings**
**Miscellaneous**

|                             |                                                           |  |  |  |                                                                                       |
|-----------------------------|-----------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------|
| <b>Type code</b>            | <b>RSS</b>                                                |  |  |  |                                                                                       |
| <b>Type</b>                 | <b>RSS</b>                                                |  |  |  |                                                                                       |
| <b>Type of construction</b> | 1 Vertical, washable                                      |  |  |  |                                                                                       |
| <b>Type of contact</b>      | 1 1 Changeover contact                                    |  |  |  |                                                                                       |
| <b>Contact material</b>     | 0 AgSnO <sub>2</sub><br>2 AgNi hard gold plated<br>3 AgNi |  |  |  |                                                                                       |
|                             |                                                           |  |  |  | <b>Coil</b><br>005 5 V DC<br>012 12 V DC<br>024 24 V DC<br>048 48 V DC<br>060 60 V DC |

Type codes