# TERMSERIES
# RSS113048 48Vdc-Rel1U

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com



TERMSERIES accessories include:
- Spare relay
- Base
- Partition plates
- Cross-connections
- Power-feed modules

## General ordering data

| | |
|---|---|
| Order No. | 4061620000 |
| Type | RSS113048 48Vdc-Rel1U |
| Version | TERMSERIES, Relais, No. of contacts: 1, CO contact, AgNi, Rated control voltage: 48 V DC, Continuous current: 6 A, Plug-in connection |
| GTIN (EAN) | 4032248252268 |
| Qty. | 20 pc(s). |

# TERMSERIES
# RSS113048 48Vdc-Rel1U

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

## Technical data

### Ratings

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

### Dimensions and weights

| | | | |
|---|---|---|---|
| Width | 5 mm | Height | 28 mm |
| Depth | 15 mm | Net weight | 4.5 g |

### Temperatures

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

### Input

| | | | |
|---|---|---|---|
| Rated control voltage | 48 V DC | Rated current DC | 4.6 mA |
| Coil resistance | 10,000 Ω ±12 % | Power rating | 220 mW |
| Pull-in (sparkover) / drop-out voltage DC coil | 33.6 V / 4.8 V | | |

### 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 |
| Duration of Bounce | NO: 1 ms // NC: 5 ms | Min. switching power | 100 mA / 5 V, 10 V / 10 mA, 24 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 | Mechanical service life | 5 x $10^6$ switching cycles |

### Insulation coordination

| | | | |
|---|---|---|---|
| Clearance and creepage distances for control side - load side | ≥ 5.5 mm | Dielectric strength for control side - load side | 4 $kV_{eff}$ / 1 min. |
| Impulse withstand voltage | 6 kV (1.2/50 µs) | Protection degree | IP 67 |

### Other technical data

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

### Further details of approvals / standards

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

### Classifications

| | | | |
|---|---|---|---|
| ETIM 3.0 | EC001437 | eClass 6.0 | 27-37-16-03 |
| eClass 7.0 | 27-37-16-03 | | |

# TERMSERIES
# RSS113048 48Vdc-Rel1U

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 16
D-32758 Detmold
Germany
Fon: +49 5231 14-0
Fax: +49 5231 14-292083
www.weidmueller.com

## Technical data

### Approvals

Approvals



# Unikeyic Electronics

Global Electronic Components Distributor

Click to view pricing, inventory, delivery, and lifecycle information:

## WeidmÃ¼ller:

1221360000 1608570000 1609820000 1013450000 1031470000 1622940000 2535780000 1127570000
1607520000 1760040000 2642470000 8951460000 024892 SAKS3 1786450000 1950200000 0303620000
1124150000 1649300000 1779950000 1818090500 1906650000 8690200000 9037380000 1784180000
1804580000 1121990000 1289470000 1608830000 1890260000 9456650000