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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). |

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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 making current | 250 V / 6 A | Continuous current | 6 A |
| Switch-on delay | < 8 ms | Max. switching power | 1500 VA |
| Duration of Bounce | < 8 ms | Switch-off delay | < 4 ms |
| | 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 | | |

Data sheet...

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Technical data

Approvals

Approvals

