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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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RIDERSERIES
RCM570548

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



Standard relays in the RIDERSERIES RCM

- 4 CO contacts
- Optionally AC or DC coils
- with test button
- Comes optionally with integrated status display and/or free-wheel diode

General ordering data

| | |
|------------|---|
| Order No. | 1180900000 |
| Type | RCM570548 |
| Version | RIDERSERIES, Relais, No. of contacts: 4, CO contact with test button, AgNi 90/10, Rated control voltage: 48 V AC, Continuous current: 6 A, Plug-in connection |
| GTIN (EAN) | 4008190172978 |
| Qty. | 10 pc(s). |

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Technical data
Ratings

| | | | |
|-----------------------------|--------------------|---------------------------|--|
| Conductor connection system | Plug-in connection | Humidity | 40 °C / 93 % rel. humidity, no condensation |
| Weight | 30 g | UL 94 flammability rating | V-0 |

Dimensions and weights

| | | | |
|------------|---------|--------|-------|
| Width | 22.5 mm | Height | 28 mm |
| Depth | 29 mm | Weight | 30 g |
| Net weight | 30.8 g | | |

Temperatures

| | | | |
|-----------------------|-----------------|---------------------|-----------------|
| Operating temperature | -40 °C...+70 °C | Storage temperature | -40 °C...+85 °C |
|-----------------------|-----------------|---------------------|-----------------|

Input

| | | | |
|-------------------------------------|-----------------|------------------|---------|
| Rated control voltage | 48 V AC | Rated current AC | 21.3 mA |
| Coil resistance | 777 Ω ± 10 % | Power rating | 1.0 VA |
| Response / drop-out voltage AC coil | 38.4 V / 14.4 V | | |

Output

| | | | |
|--|----------|----------------------------|--|
| Rated switching voltage | 240 V AC | Max. switching voltage, AC | 240 V |
| Continuous current | 6 A | making current | 12 A / 20 ms |
| Max. switching power | 1500 VA | Response time | 15 ms / 10 ms |
| Duration of Bounce | 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 | 4 | Contact design | CO contact with test button |
| Contact material | AgNi 90/10 | Mechanical service life | AC coil 20 x 10 ⁶ Switching cycles, DC coil 30 x 10 ⁶ Switching cycles |

Insulation coordination

| | | | |
|---|--------------------------------|--|------------------|
| Rated voltage | 250 V | Clearance and creepage distances for control side - load side | ≥ 4 mm |
| Dielectric strength for control side - load side | 2.5 KV _{eff} / 1 min. | Impulse withstand voltage | 5 kV (1.2/50 μs) |
| Protection degree | IP 50 | Insulating material group | IIIa |

Other technical data

| | |
|---------|-------------|
| Version | Without LED |
|---------|-------------|

Further details of approvals / standards

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

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Technical data**Classifications**

| | | | |
|------------|-------------|------------|-------------|
| ETIM 2.0 | EC001437 | ETIM 3.0 | EC001437 |
| UNSPSC | 30-21-19-17 | eClass 4.1 | 39-12-15-35 |
| eClass 5.1 | 27-37-16-01 | eClass 6.0 | 27-37-16-01 |
| eClass 7.0 | 27-37-16-01 | | |

Approvals

Approvals

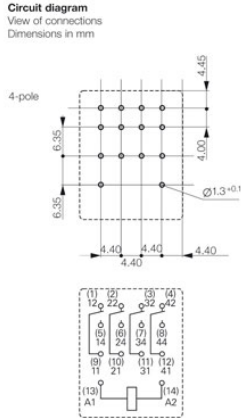
**Downloads**Declaration of Conformity [K295_12_10.pdf](#)

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RCM570548**

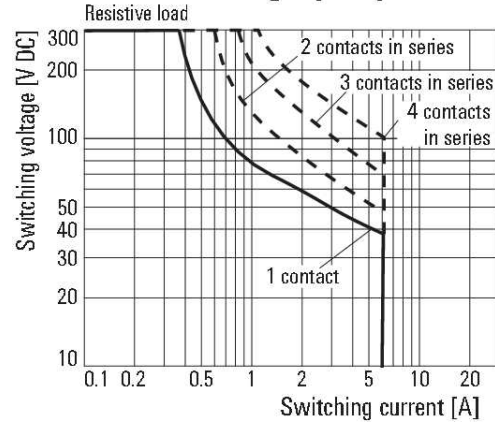
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Drawings

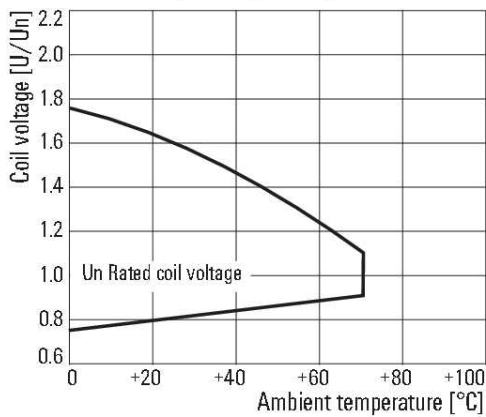
Electric symbol



DC load breaking capacity



Operating voltage range AC



Electrical endurance

