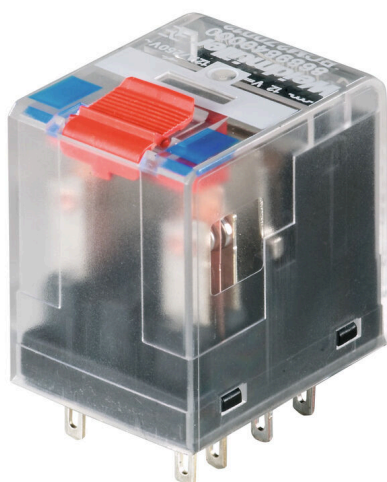


**RCM370R48****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Product image**

Similar to illustration

Individual relays within the RIDERSERIES RCM

- 3 CO contacts
- Optional AC or DC coils
- With test button and integrated status LED

**General ordering data**

|                 |                                                                                                                                                                          |
|-----------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version         | RIDERSERIES RCM, Relay, Number of contacts: 3, CO contact AgNi, Rated control voltage: 48 V AC, Continuous current: 10 A, Plug-in connection, Test button available: Yes |
| Order No.       | <a href="#">8689970000</a>                                                                                                                                               |
| Type            | RCM370R48                                                                                                                                                                |
| GTIN (EAN)      | 4032248360642                                                                                                                                                            |
| Qty.            | 10 items                                                                                                                                                                 |
| Delivery status | This article will no longer be available in the future.                                                                                                                  |
| Available until | 2026-06-30T00:00:00+02:00                                                                                                                                                |

## RCM370R48

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Germany

www.weidmueller.com

## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E522350

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 29 mm   | Depth (inches)  | 1.1417 inch |
| Height     | 28 mm   | Height (inches) | 1.1024 inch |
| Width      | 22.5 mm | Width (inches)  | 0.8858 inch |
| Net weight | 30 g    |                 |             |

## Temperatures

|                       |                |                     |                                             |
|-----------------------|----------------|---------------------|---------------------------------------------|
| Storage temperature   | -40 °C...85 °C | Ambient temperature | -40 °C...70 °C                              |
| Operating temperature |                | Humidity            | 40 °C / 93 % rel. humidity, no condensation |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Rated data UL

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E522350 |
|-------------------------|---------|

## Control side

|                       |          |                  |              |
|-----------------------|----------|------------------|--------------|
| Rated control voltage | 48 V AC  | Rated current AC | 22.8 mA      |
| Power rating          | 1094 mVA | Coil resistance  | 777 Ω ± 10 % |
| Status indicator      | red LED  |                  |              |

## Load side

|                                         |                                                                      |                                         |                                         |
|-----------------------------------------|----------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Rated switching voltage                 | 240 V AC                                                             | Continuous current                      | 10 A                                    |
| Max. switching frequency at rated load  | 0.1 Hz                                                               | Max. switching voltage, AC              | 250 V                                   |
| Inrush current                          | 20 A / 20 ms                                                         | AC switching capacity (resistive), max. | 2500 VA                                 |
| DC switching capacity (resistive), max. | 240 W @ 24 V                                                         | Switch-on delay                         | ≤ 15 ms                                 |
| Switch-off delay                        | ≤ 10 ms                                                              | Contact type                            | 3 CO contact (AgNi)                     |
| Mechanical service life                 | AC coil 20 x 106 switching cycles, DC coil 30 x 106 switching cycles | Min. switching power                    | 1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V |

## General data

|                                      |     |                        |                                             |
|--------------------------------------|-----|------------------------|---------------------------------------------|
| Test button available                | Yes | Version of test button | Lockable test button, Momentary test button |
| Mechanical switch position indicator | Yes | Colour                 | Transparent                                 |
| UL 94 flammability rating            | V-2 |                        |                                             |

## RCM370R48

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## Technical data

## Insulation coordination

|                                                               |                    |                                                  |                    |
|---------------------------------------------------------------|--------------------|--------------------------------------------------|--------------------|
| Rated voltage                                                 | 250 V              | Pollution severity                               | 2                  |
| Surge voltage category                                        | III                | Insulating material group                        | IIIa               |
| Clearance and creepage distances for control side - load side | ≥ 4 mm             | Dielectric strength for control side - load side | 2.5 kVeff / 1 Min. |
| Dielectric strength of neighbouring contacts                  | 2.5 kVeff / 1 Min. | Dielectric strength of open contact              | 1.2 kVeff / 1 min. |
| Impulse withstand voltage                                     | 5 kV (1.2/50 µs)   | Protection degree                                | IP20               |

## Further details of approvals / standards

|                         |                |                       |          |
|-------------------------|----------------|-----------------------|----------|
| Certificate No. (CSA)   | 249409-2426937 | Certificate No. (VDE) | 40011762 |
| Certificate No. (cURus) | E522350        |                       |          |

## Connection data

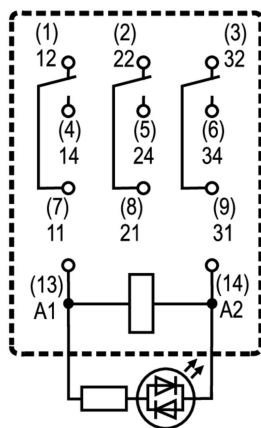
|                        |                    |
|------------------------|--------------------|
| Wire connection method | Plug-in connection |
|------------------------|--------------------|

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 8.0    | EC001437    | ETIM 9.0    | EC001437    |
| ETIM 10.0   | EC001437    | ECLASS 14.0 | 27-37-16-01 |
| ECLASS 15.0 | 27-37-16-01 |             |             |

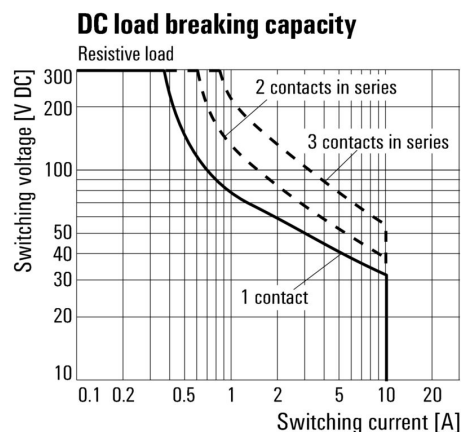
## Drawings

### Wiring diagram



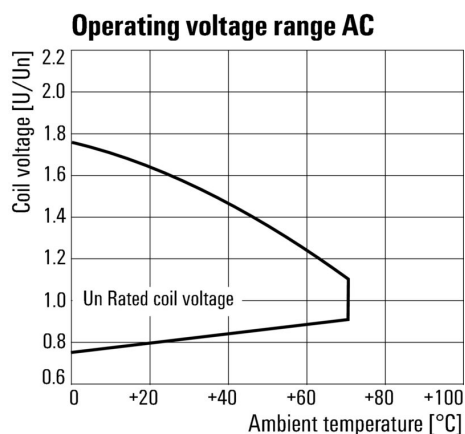
View of Pins from below

### Graph



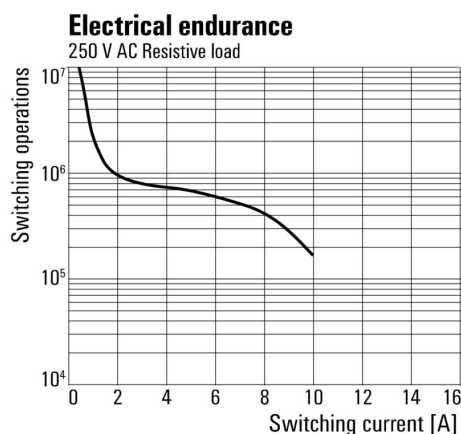
DC load limit curve Resistive load

### Graph



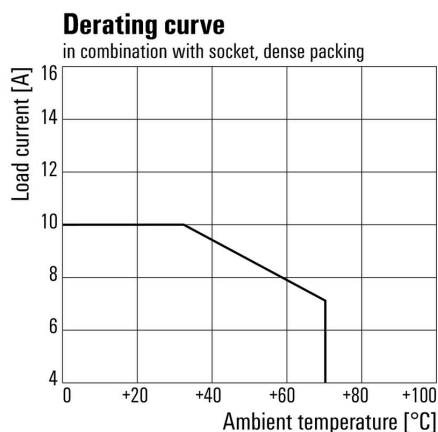
AC operational voltage range

### Graph



Electrical service life 250 V AC resistive load

### Graph



Derating curve Relay in combination with base

### Dimensional drawing

