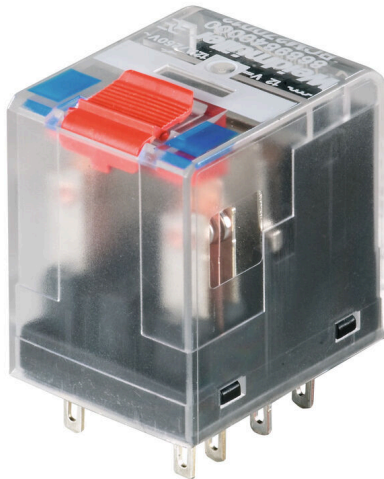


**RCM570006****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Similar to illustration

Individual relays within the RIDERSERIES RCM

- 4 CO contacts
- Optional AC or DC coils
- With test button

**General ordering data**

|                 |                                                                                                                                                                        |
|-----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Version         | RIDERSERIES RCM, Relay, Number of contacts: 4, CO contact AgNi, Rated control voltage: 6 V DC, Continuous current: 6 A, Plug-in connection, Test button available: Yes |
| Order No.       | <a href="#">8074650000</a>                                                                                                                                             |
| Type            | RCM570006                                                                                                                                                              |
| GTIN (EAN)      | 4008190103118                                                                                                                                                          |
| Qty.            | 10 items                                                                                                                                                               |
| Delivery status | This article will no longer be available in the future.                                                                                                                |
| Available until | 2026-06-30T00:00:00+02:00                                                                                                                                              |

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## Technical data

## Approvals

Approvals



|                         |                            |
|-------------------------|----------------------------|
| ROHS                    | Conform                    |
| UL File Number Search   | <a href="#">UL Website</a> |
| 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 | 30.5 g  |                 |             |

## Temperatures

|                       |                |                     |                                                |
|-----------------------|----------------|---------------------|------------------------------------------------|
| Storage temperature   | -40 °C...85 °C | Ambient temperature | -40 °C...70 °C                                 |
| Operating temperature |                | Humidity            | 40 °C / 93 % rel. humidity,<br>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 | 6 V DC | Rated current DC | 125 mA      |
| Power rating          | 750 mW | Coil resistance  | 48 Ω ± 10 % |
| Status indicator      | No     |                  |             |

## Load side

|                                         |                                                                            |                                         |                                         |
|-----------------------------------------|----------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Rated switching voltage                 | 240 V AC                                                                   | Continuous current                      | 6 A                                     |
| Max. switching frequency at rated load  | 0.1 Hz                                                                     | Max. switching voltage, AC              | 250 V                                   |
| Inrush current                          | 12 A / 20 ms                                                               | AC switching capacity (resistive), max. | 1500 VA                                 |
| DC switching capacity (resistive), max. | 144 W @ 24 V                                                               | Switch-on delay                         | ≤ 15 ms                                 |
| Switch-off delay                        | ≤ 10 ms                                                                    | Contact type                            | 4 CO contact (AgNi)                     |
| Mechanical service life                 | AC coil 20 x 106<br>switching cycles, DC coil<br>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,<br>Momentary test button |
| Mechanical switch position indicator | Yes | Colour                 | Transparent                                    |
| UL 94 flammability rating            | V-2 |                        |                                                |

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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 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

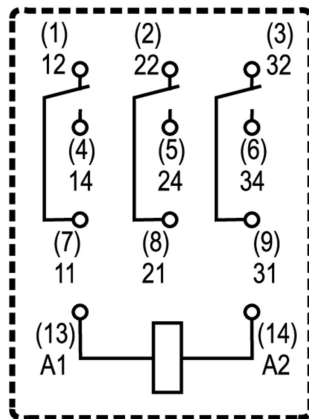
|                        |                    |
|------------------------|--------------------|
| Wire connection method | Plug-in connection |
|------------------------|--------------------|

### 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 |             |             |

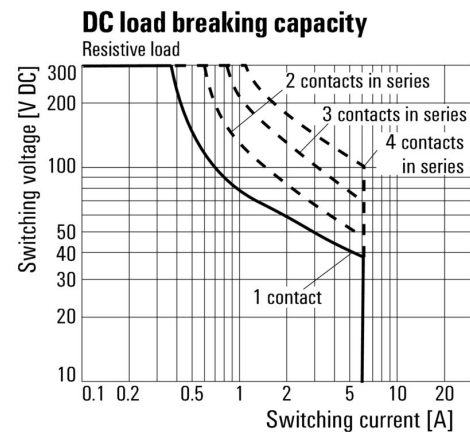
## Drawings

### Wiring diagram



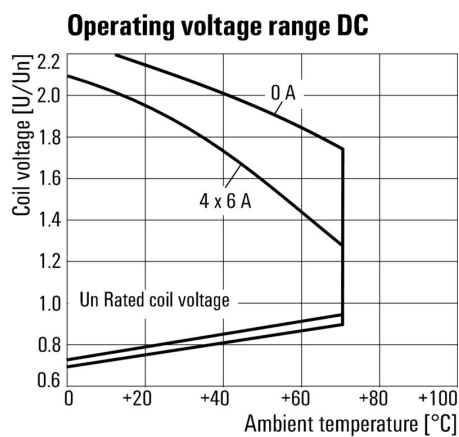
View of Pins from below

### Graph



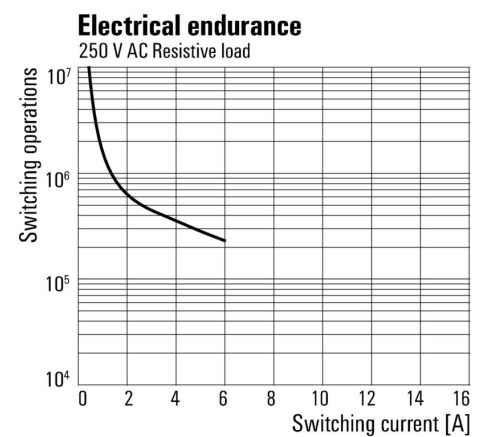
DC load limit curve Resistive load

### Graph



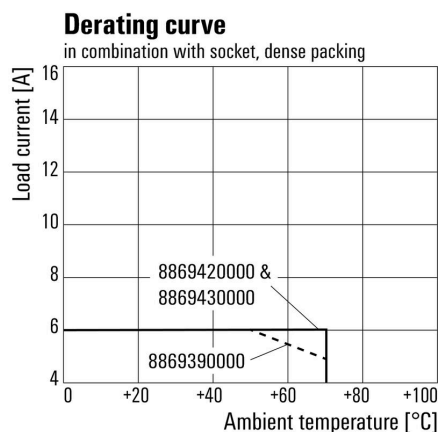
DC operational voltage range

### Graph



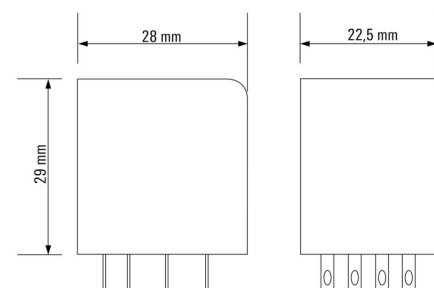
Electrical service life 250 V AC resistive load

### Graph



Derating curve Relay in combination with base

### Dimensional drawing



## Drawings

## Miscellaneous

| Type                               | RCM |  |  |  |  |  | Coil voltage             | with LED | with LED + diode |
|------------------------------------|-----|--|--|--|--|--|--------------------------|----------|------------------|
| RIDER Control Multiple             |     |  |  |  |  |  | 006 6 V DC               | L06      |                  |
| Type of contact                    |     |  |  |  |  |  | 012 12 V DC              | L12      | AB2              |
| 2 2CO                              |     |  |  |  |  |  | 024 24 V DC              | L24      | AC4              |
| 3 3CO                              |     |  |  |  |  |  | 048 48 V DC              | L48      | AE8              |
| 5 4CO                              |     |  |  |  |  |  | 060 60 V DC              | L60      |                  |
| Contact material                   |     |  |  |  |  |  | 110 110 V DC             | M10      | BB0              |
| 7 AgNi 90/10 with test button      |     |  |  |  |  |  | 220 220 V DC             | N20      |                  |
| 8 AgNi 90/10 hgp, with test button |     |  |  |  |  |  | 506 6 V AC               | R06      |                  |
|                                    |     |  |  |  |  |  | 512 12 V AC              | R12      |                  |
|                                    |     |  |  |  |  |  | 524 24 V AC              | R24      |                  |
|                                    |     |  |  |  |  |  | 548 48 V AC              | R48      |                  |
|                                    |     |  |  |  |  |  | 615 115 V AC             | S15      |                  |
|                                    |     |  |  |  |  |  | 730 230 V AC             | T30      |                  |
|                                    |     |  |  |  |  |  | Type of construction     |          |                  |
|                                    |     |  |  |  |  |  | 0 Standard, 2,8mm Faston |          |                  |

Type codes