

RCM570M10
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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 and integrated status LED

General ordering data

| | |
|---------------------|--|
| Version | RIDERSERIES RCM, Relay, Number of contacts: 4, CO contact AgNi, Rated control voltage: 110 V DC, Continuous current: 6 A, Plug-in connection, Test button available: Yes |
| Order No. | 8690240000 |
| Type | RCM570M10 |
| GTIN (EAN) | 4032248360864 |
| Qty. | 10 items |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2026-06-30T00:00:00+02:00 |
| Alternative product | CRM40110T |

Creation date 22.03.2026 04:34:13 MEZ

Catalogue status / Drawings

RCM570M10

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

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 | 26.14 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 | 110 V DC | Rated current DC | 7.7 mA |
| Power rating | 846.5 mW | Coil resistance | 16133 Ω ± 15 % |
| Status indicator | red LED | | |

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 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 | | |

RCM570M10

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

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



Miscellaneous



Type codes