# RCM370S15

**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
- 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: 115 V AC, Continuous current: 10 A, Plug-in connection, Test button available: Yes |
| Order No. | 8689990000 |
| Type | RCM370S15 |
| GTIN (EAN) | 4032248360666 |
| Qty. | 10 pc(s). |

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## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 29 mm | Depth (inches) | 1.142 inch |
| Height | 28 mm | Height (inches) | 1.102 inch |
| Width | 22.5 mm | Width (inches) | 0.886 inch |
| Net weight | 29.9 g | | |

### Temperatures

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

### Rated data UL

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

### Control side

| | | | |
|---|---|---|---|
| Rated control voltage | 115 V AC | Rated current AC | 9.2 mA |
| Power rating | 1058 mVA | Coil resistance | 4845 Ω ± 12 % |
| Coil tolerance | 12 % | 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 $10^6$ switching cycles, DC coil 30 x $10^6$ 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 | | |

### 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 $kV_{eff}$ / 1 Min. |
| Dielectric strength of neighbouring contacts | 2.5 $kV_{eff}$ / 1 Min. | Dielectric strength of open contact | 1.2 $kV_{eff}$ /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 | | |

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## Technical data

### Connection data

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

### Classifications

| | | | |
|---|---|---|---|
| ETIM 6.0 | EC001437 | ETIM 7.0 | EC001437 |
| ETIM 8.0 | EC001437 | ETIM 9.0 | EC001437 |
| ECLASS 9.0 | 27-37-16-01 | ECLASS 9.1 | 27-37-16-01 |
| ECLASS 10.0 | 27-37-16-01 | ECLASS 11.0 | 27-37-16-01 |
| ECLASS 12.0 | 27-37-16-01 | ECLASS 13.0 | 27371601 |

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E522350 |

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | EU Konformitätserklärung / EU Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

Weidmüller

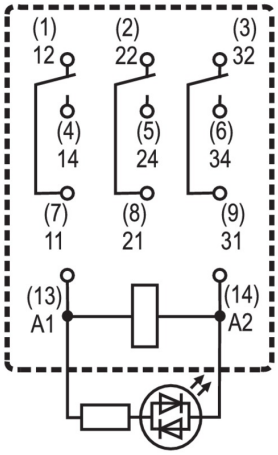
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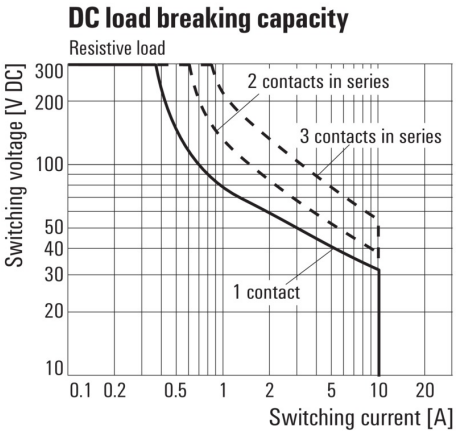
# Drawings

## Wiring diagram



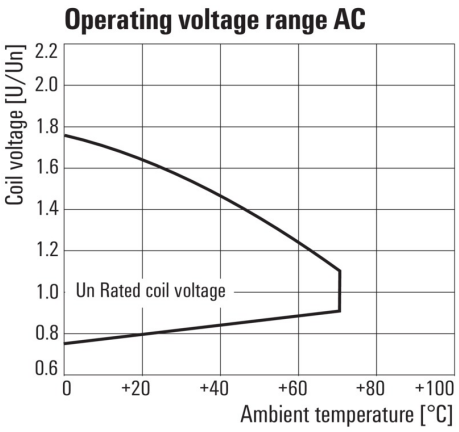

View of Pins from below

## Graph



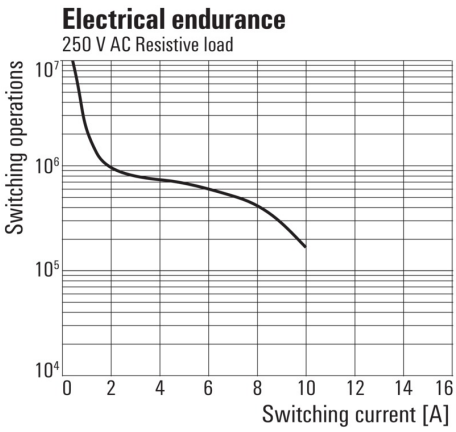

DC load limit curve
Resistive load

## Graph



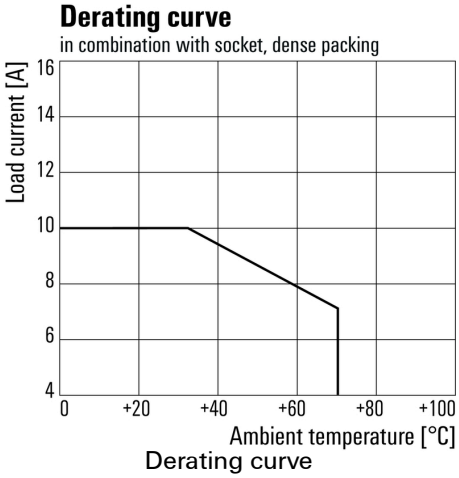

AC operational voltage range

## Graph



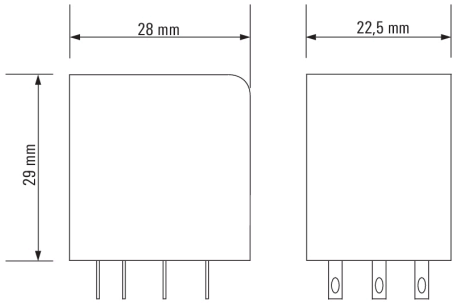

Electrical service life
250 V AC resistive load

## Graph




Derating curve
Relay in combination with base

## Dimensional drawing



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## Accessories

### LED




Pluggable protective modules for the RIDERSERIES RCI / RCM relay sockets, with optional protective functions.
- Optional with green or red LED
- For UC supply voltage

#### General ordering data

| | | |
|---|---|---|
| Type | RIM-I 3 110/230VUC GN | Version |
| Order No. | 8869660000 | RIDERSERIES, LED module, Rated control voltage: 110...230 V UC, |
| GTIN (EAN) | 4032248614721 | Plug-in connection |
| Qty. | 10 pc(s). | |

| | | |
|---|---|---|
| Type | RIM-I 3 110/230VUC | Version |
| Order No. | 8869650000 | RIDERSERIES, LED module, Rated control voltage: 110...230 V UC, |
| GTIN (EAN) | 4032248614592 | Plug-in connection |
| Qty. | 10 pc(s). | |

### Sockets




relays sockets for RIDERSERIES RCM relays
- 2, 3 and 4 CO contacts
- Screw and PUSH IN connection
- Standard and low heights

#### General ordering data

| | | |
|---|---|---|
| Type | SCM-I 3CO N | Version |
| Order No. | 8869410000 | RIDERSERIES RCM, Relay socket, Number of contacts: 3, CO contact, |
| GTIN (EAN) | 4032248606375 | Continuous current: 10 A, Screw connection |
| Qty. | 10 pc(s). | |

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## Accessories

### ESG 6/15



**Guaranteed long service life: ESG**
The multi-colour and multi-format labels have a strong adhesive layer to ensure the best possible adhesion to the underlying surface. Double laminated polyester makes the basic material very thin and yet extremely tear-resistant.
**Your benefits with MultiMark**
- "Different materials for various requirements"
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

#### General ordering data

| | | |
|---|---|---|
| Type | ESG 6/15 MM WS | Version |
| Order No. | 2619940000 | ESG, Device markers, 6 x 15 mm, white |
| GTIN (EAN) | 4050118626148 | |
| Qty. | 3,000 pc(s). | |

### Protective varistor




Pluggable protective modules for the RIDERSERIES RCI / RCM relay sockets, with optional protective functions.
- With protective varistor
- For UC supply voltage

#### General ordering data

| | | |
|---|---|---|
| Type | RIM-I 4 110VUC VAR | Version |
| Order No. | 8869730000 | RIDERSERIES, Protective varistor, Rated control voltage: 110 V UC, |
| GTIN (EAN) | 4032248606351 | Plug-in connection |
| Qty. | 10 pc(s). | |

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## Accessories

### ESG 6/17



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**Your benefits with MultiMark**
- "Different materials for various requirements"
- Can be used with equipment from many manufacturers
- Device markers with a familiar design

#### General ordering data

| | | |
|---|---|---|
| Type | ESG 6/17 MM WS | Version |
| Order No. | 2005100000 | ESG, Device markers, 6 x 17 mm, white |
| GTIN (EAN) | 4050118390728 | |
| Qty. | 3,000 pc(s). | |

### Cross-connection for socket with PUSH IN connection



Cross-connection for the socktes in the RIDERSERIES RCM

#### General ordering data

| | | |
|---|---|---|
| Type | SCM-I QV P | Version |
| Order No. | 8870850000 | RIDERSERIES RCM, Cross-connector |
| GTIN (EAN) | 4032248631698 | |
| Qty. | 10 pc(s). | |

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## Accessories

### Protection module




Pluggable protective modules for the RIDERSERIES RCI / RCM relay sockets, with optional protective functions.
- Optional with free-wheeling diode, protective varistor, load resistor or RC filter

#### General ordering data

| | | |
|---|---|---|
| Type | RIM-I 1 R 110/230V | Version |
| Order No. | 8870830000 | RIDERSERIES, Load, Rated control voltage: 110...230 V UC, Plug-in |
| GTIN (EAN) | 4032248631674 | connection |
| Qty. | 10 pc(s). | |
| Type | RIM-I 1 6/230V | Version |
| Order No. | 8869580000 | RIDERSERIES, Free-wheeling diode, Rated control voltage: 6...230 V |
| GTIN (EAN) | 4032248614523 | DC, Plug-in connection |
| Qty. | 10 pc(s). | |
| Type | RIM-I 3 110/230VAC RC | Version |
| Order No. | 8869790000 | RIDERSERIES, RC filter, Rated control voltage: 110...230 V UC, Plug-in |
| GTIN (EAN) | 4032248606337 | connection |
| Qty. | 10 pc(s). | |

### Blank



ESG is the tried-and-tested marker in MultiCard format for use on many well-known electrical devices. The result is high-quality device marking with a high-contrast appearance.
Various types are available for devices from manufacturers like Siemens, ABB, Beckhoff etc.
Advantages at a glance:
- Tags for universal usage, self-adhesive or clip-on tags, depending on type
- For aligned equipment, e.g. circuit breakers, we supply ESG markers for clipping onto tag rails
- Individual laser-quality printing according to specifications

**For custom printing:** Please send us a file of our labeling software M-Print PRO or M-Print PRO Online (without installation) for your labeling specifications.

#### General ordering data

| | | |
|---|---|---|
| Type | ESG 9/26 SCM-I MC NE WS | Version |
| Order No. | 2558330000 | ESG, Device markers x 26 mm, PA 66, Colour: white |
| GTIN (EAN) | 4050118569049 | |
| Qty. | 80 pc(s). | |

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## Accessories

### Cross-connection for socket with screw connection

Cross-connection for the socktes in the D-SERIES DRM.



#### General ordering data

| | | |
|---|---|---|
| Type | SCM-I QV S | Version |
| Order No. | 1132080000 | RIDERSERIES RCM, Cross-connector |
| GTIN (EAN) | 4032248912193 | |
| Qty. | 10 pc(s). | |

### Retaining clips



Retaining clip for RIDERSERIES RCM relays
- Metal and plastic retaining clip

#### General ordering data

| | | |
|---|---|---|
| Type | SCM-I CLIP M | Version |
| Order No. | 8869450000 | RIDERSERIES RCM, Retaining clip |
| GTIN (EAN) | 4032248614301 | |
| Qty. | 10 pc(s). | |
| Type | SCM-I CLIP N | Version |
| Order No. | 8875620000 | RIDERSERIES RCM, Retaining clip |
| GTIN (EAN) | 4032248608577 | |
| Qty. | 10 pc(s). | |

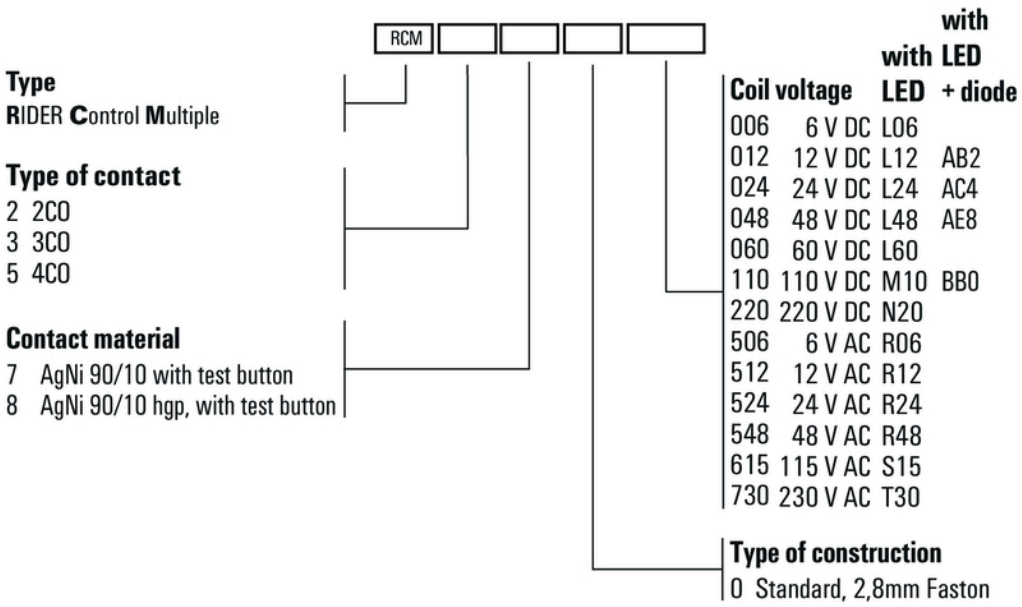
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## Drawings

### Miscellaneous




Type codes