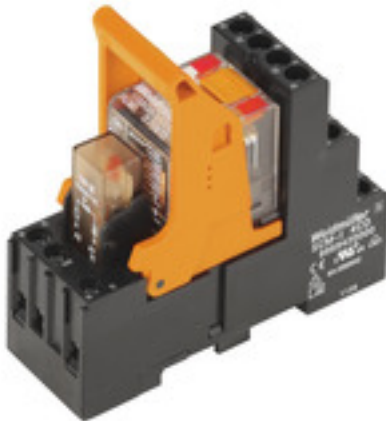


RCMKIT-I 24VAC 2CO LD**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**Product image**

Similar to illustration

- Mounted kit consisting relay, socket and retaining clip
- 100 % function tested
- 100 % check of the dielectric strenght between input - output
- 2 CO contacts
- Optional test button with mechanical status indicator
- Bright status LED (AC coil: red / DC coil: green)
- Identification of coils (AC red / DC blue)

General ordering data

| | |
|---------------------|---|
| Version | RIDERSERIES RCM, Relay module, Number of contacts: 2, CO contact AgNi, Rated control voltage: 24 V AC, Continuous current: 12 A, Screw connection, Test button available: Yes |
| Order No. | 8920950000 |
| Type | RCMKIT-I 24VAC 2CO LD |
| GTIN (EAN) | 4032248692200 |
| Qty. | 10 pc(s). |
| Relevant relay | 8689760000 |
| Relevant rim module | 8869630000 |
| Relevant base | 8869400000 |

Creation date May 21, 2024 3:57:08 PM CEST

RCMKIT-I 24VAC 2CO LD

Weidmüller Interface GmbH & Co. KG

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Technical data

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 78.3 mm | Depth (inches) | 3.083 inch |
| Height | 77 mm | Height (inches) | 3.031 inch |
| Width | 27.2 mm | Width (inches) | 1.071 inch |
| Net weight | 93.8 g | | |

Temperatures

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

Control side

| | | | |
|-----------------------|---------|------------------|-----------------------|
| Rated control voltage | 24 V AC | Rated current AC | 55 mA |
| Power rating | 1.32 VA | Coil resistance | 192 $\Omega \pm 10\%$ |
| Coil tolerance | 10 % | Status indicator | red LED |

Load side

| | | | |
|---|--|---|--|
| Rated switching voltage | 240 V AC | Continuous current | 12 A |
| Max. switching frequency at rated load | 0.1 Hz | Max. switching voltage, AC | 250 V |
| Inrush current | 24 A / 20 ms | AC switching capacity (resistive), max. | 3000 VA |
| DC switching capacity (resistive), max. | 288 W @ 24 V | Switch-on delay | ≤ 15 ms |
| Switch-off delay | ≤ 10 ms | Contact type | 2 CO contact (AgNi) |
| Mechanical service life | AC coil 20×10^6 switching cycles, DC coil 30×10^6 switching cycles | Min. switching power | 1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V |

General data

| | | | |
|------------------------|--|--------------------------------------|-----|
| Rail | TS 35 | Test button available | Yes |
| Version of test button | Lockable test button, Mo- mentary test button | Mechanical switch position indicator | Yes |
| Colour | black | | |

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 con- tacts | 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 μ s) | Protection degree | IP20 |

Further details of approvals / standards

| | | | |
|------------------------------|----------------|-------------------------------|----------------|
| Certificate no. (CSA) relay | 249409-2426937 | Certificate no. (CSA) base | 249409-2295474 |
| Certificate No. (DNV) | TAA000011A | Certificate no. (cURus) relay | E522350 |
| Certificate no. (cURus) base | E223759 | | |

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Technical data

Connection data

| | | | |
|---|---------------------|---|-------------------|
| Wire connection method | Screw connection | Stripping length, rated connection | 8 mm |
| Tightening torque, min. | 0.5 Nm | Tightening torque, max. | 0.7 Nm |
| Clamping range, rated connection | 2.5 mm ² | Clamping range, min. | 1 mm ² |
| Clamping range, max. | 2.5 mm ² | Wire cross-section, solid, min. | 1 mm ² |
| Wire cross-section, solid, max. | 2.5 mm ² | Wire connection cross section, finely stranded, min. | 1 mm ² |
| Wire connection cross section, finely stranded, max. | 2.5 mm ² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1 mm ² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm ² | Conductor cross-section, flexible, AEH (DIN 46228-1), min. | 1 mm ² |
| Conductor cross-section, flexible, AEH (DIN 46228-1), max. | 2.5 mm ² | Wire connection cross section, finely stranded, two clampable wires, min. | 1 mm ² |
| Wire cross-section, finely stranded, two clampable wires, max. | 1.5 mm ² | Blade size | size PZ1 |

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 | 27-37-16-01 |

Important note

Product information IP20 without connected conductor at complete opened clamping yoke connection.

Approvals

Approvals



ROHS Conform

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | EU Konformitätserklärung / EU Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | Zuken E3.S |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

RCMKIT-I 24VAC 2CO LD

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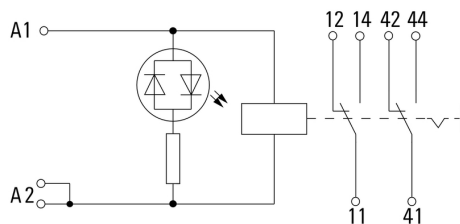
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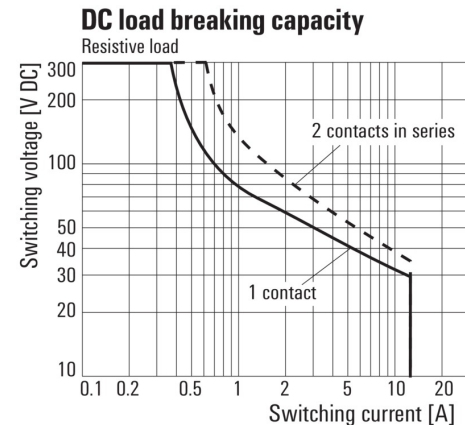
www.weidmueller.com

Drawings

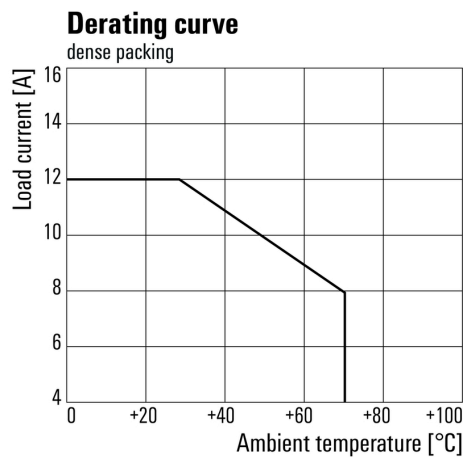
Wiring diagram



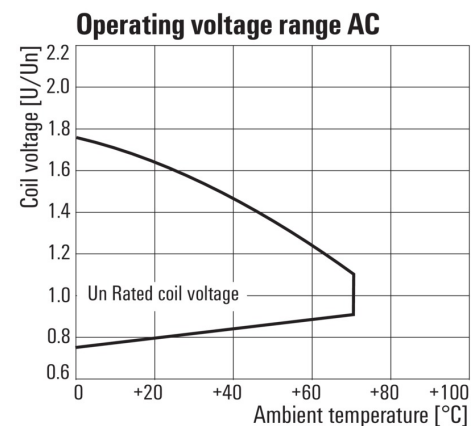
Graph

DC load limit curve
Resistive load

Graph

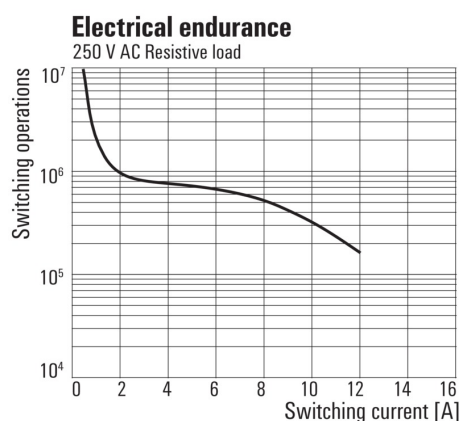
Derating curve
Relay in combination with base

Graph

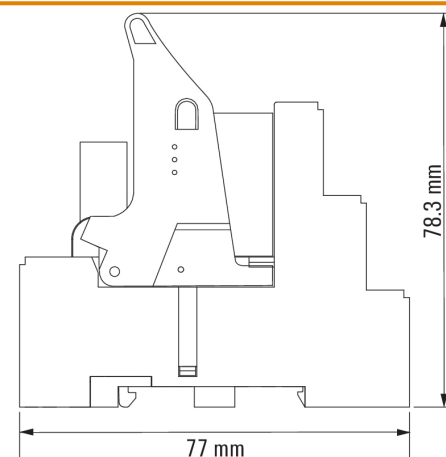


AC operational voltage range

Graph

Electrical service life 250 V AC resistive load
250 V AC resistive load

Dimensional drawing



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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 3 6/60VAC RC | Version |
| Order No. | 8869770000 | RIDERSERIES, RC filter, Rated control voltage: 6...60 V UC, Plug-in connection |
| GTIN (EAN) | 4032248606320 | |
| Qty. | 10 pc(s). | |
| Type | RIM-I 1 6/230V | Version |
| Order No. | 8869580000 | RIDERSERIES, Free-wheeling diode, Rated control voltage: 6...230 V DC, Plug-in connection |
| GTIN (EAN) | 4032248614523 | |
| Qty. | 10 pc(s). | |

Crosshead screwdriver Pozidriv



Crosshead screwdriver, Pozidriv, SDK PZ DIN 5262, ISO 8764/2-PZ, output to ISO 8764/1-PZ, ChromTop tip, SoftFinish grip

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SDK PZ1 X 80 | Version |
| Order No. | 2749440000 | Screwdriver, Blade width (B): 80 mm, Blade thickness (A): |
| GTIN (EAN) | 4050118895667 | |
| Qty. | 1 pc(s). | |

RCMKIT-I 24VAC 2CO LD

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Accessories

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). | |

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 6/24VUC GN | Version |
| Order No. | 8869640000 | RIDERSERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in connection |
| GTIN (EAN) | 4032248614585 | |
| Qty. | 10 pc(s). | |
| Type | RIM-I 3 24/60VUC GN | Version |
| Order No. | 8869620000 | RIDERSERIES, LED module, Rated control voltage: 24...60 V UC, Plug-in connection |
| GTIN (EAN) | 4032248614561 | |
| Qty. | 10 pc(s). | |
| Type | RIM-I 3 24/60VUC | Version |
| Order No. | 8869610000 | RIDERSERIES, LED module, Rated control voltage: 24...60 V UC, Plug-in connection |
| GTIN (EAN) | 4032248614554 | |
| Qty. | 10 pc(s). | |

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Accessories

| | | |
|------------|----------------------------|--|
| Type | RIM-I 3 6/24VUC | Version |
| Order No. | 8869630000 | RIDERSERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in |
| GTIN (EAN) | 4032248614578 | connection |
| Qty. | 10 pc(s). | |

Cross-connection for socket with screw connection

Cross-connection for the sockets 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). | |

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 24VUC VAR | Version |
| Order No. | 8869710000 | RIDERSERIES, Protective varistor, Rated control voltage: 24 V UC, Plug- |
| GTIN (EAN) | 4032248606344 | in connection |
| Qty. | 10 pc(s). | |

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Accessories

Crosshead screwdriver Pozidriv



VDE insulated crosshead screwdriver type Pozidriv SDIK PZ DIN 7438, ISO 8764/2-PZ, output to ISO 8764-PZ, SoftFinish grip

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SDIK PZ1 X 80 | Version |
| Order No. | 2749920000 | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1 |
| GTIN (EAN) | 4050118897227 | |
| Qty. | 1 pc(s). | |

ESG 6/17



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

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www.weidmueller.com**Accessories****Crosshead screwdriver, Pozidrive**

VDE insulated screwdriver sets, for working on live parts up to 1000 V AC and 1500 V DC, DIN EN 60900. IEC 900. Each piece is "GS" safety tested. Blade made from fully hardened, high-alloy chromium-vanadium-molybdenum steel, gun-metal finish.

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SDIK SLIM PZ1 X 80 | Version |
| Order No. | 2749670000 | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1 |
| GTIN (EAN) | 4050118896411 | |
| Qty. | 1 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 P | Version |
| Order No. | 8869440000 | RIDERSERIES RCM, Retaining clip |
| GTIN (EAN) | 4032248614295 | |
| Qty. | 10 pc(s). | |

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Accessories

ESG 6/15

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Your benefits with MultiMark

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- 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). | |

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:

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- 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 6/17 K MC NE WS | Version |
| Order No. | 1880120000 | ESG, Device markers x 17 mm, PA 66, Colour: white, Self-adhesive |
| GTIN (EAN) | 4032248478804 | |
| Qty. | 200 pc(s). | |

| | | |
|------------|----------------------------|---|
| Type | ESG 6/17 K MC NE GE | Version |
| Order No. | 1880110000 | ESG, Device markers x 17 mm, PA 66, Colour: yellow, Self-adhesive |
| GTIN (EAN) | 4032248478798 | |
| Qty. | 200 pc(s). | |

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www.weidmueller.com**Accessories****Blank**

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General ordering data

| | | |
|------------|----------------------------|---|
| Type | ESG 6/15 K MC NE WS | Version |
| Order No. | 1880100000 | ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive |
| GTIN (EAN) | 4032248478781 | |
| Qty. | 200 pc(s). | |
| Type | ESG 6/15 K MC NE GE | Version |
| Order No. | 1880130000 | ESG, Device markers x 15 mm, PA 66, Colour: yellow, Self-adhesive |
| GTIN (EAN) | 4032248478910 | |
| Qty. | 200 pc(s). | |

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www.weidmueller.com**Drawings**