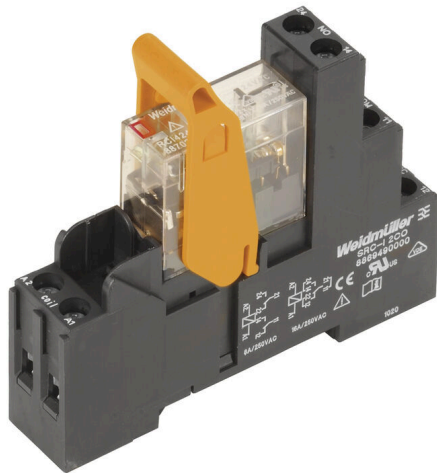


## RCIKIT 24VAC 2CO LD

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

[www.weidmueller.com](http://www.weidmueller.com)

### Product image



- 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 RCI, Relay module, Number of contacts: 2, CO contact AgNi, Rated control voltage: 24 V AC, Continuous current: 8 A, Screw connection, Test button available: No |
| Order No.           | <a href="#">8871040000</a>  |
| Type                | RCIKIT 24VAC 2CO LD   |
| GTIN (EAN)          | 4032248604197   |
| Qty.                | 10 items  |
| Delivery status     | This article will no longer be available in the future.   |
| Available until     | 2024-10-31T00:00:00+01:00   |
| Alternative product | <a href="#">CRIKIT S 24VAC 2CO L</a>  |

## RCIKIT 24VAC 2CO LD

Weidmüller Interface GmbH & Co. KG  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

www.weidmueller.com

## Technical data

## Approvals

Approvals



ROHS Conform

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 70.2 mm | Depth (inches)  | 2.7638 inch |
| Height     | 77 mm   | Height (inches) | 3.0315 inch |
| Width      | 15.8 mm | Width (inches)  | 0.622 inch  |
| Net weight | 55.12 g |                 |             |

## Temperatures

|                       |                |                     |   |
|-----------------------|----------------|---------------------|---|
| Storage temperature   | -40 °C...70 °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%       |

## Control side

|                       |          |                  |              |
|-----------------------|----------|------------------|--------------|
| Rated control voltage | 24 V AC  | Rated current AC | 45 mA        |
| Power rating          | 1080 mVA | Coil resistance  | 350 Ω ± 10 % |
| Status indicator      | red LED  |                  |              |

## Load side

|   |   |   |   |
|---|---|---|---|
| Rated switching voltage                 | 250 V AC  | Continuous current                      | 8 A                                     |
| Max. switching frequency at rated load  | 0.1 Hz  | Max. switching voltage, AC              | 250 V                                   |
| Inrush current                          | 15 A / 4 s  | AC switching capacity (resistive), max. | 2000 VA                                 |
| DC switching capacity (resistive), max. | 192 W @ 24 V  | Switch-on delay                         | ≤ 10 ms                                 |
| Switch-off delay                        | ≤ 6 ms  | Contact type                            | 2 CO contact (AgNi)                     |
| Mechanical service life                 | AC coil 5 x 106 switching cycles, DC coil 10 x 106 switching cycles | Min. switching power                    | 1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V |

## General data

|                                      |       |                       |       |
|--------------------------------------|-------|-----------------------|-------|
| Mounting rail                        | TS 35 | Test button available | No    |
| Mechanical switch position indicator | No    | 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 | ≥ 8 mm             | Dielectric strength for control side - load side | 5 kVeff / 1 min |
| Dielectric strength of neighbouring contacts                  | 2.5 kVeff / 1 Min. | Dielectric strength of open contact              | 1 kVeff / 1 min |
| Impulse withstand voltage                                     | 5 kV (1.2/50 μs)   | Protection degree                                | IP20            |

## RCIKIT 24VAC 2CO LD

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Technical data

### Further details of approvals / standards

|                             |                           |                              |                           |
|-----------------------------|---------------------------|------------------------------|---------------------------|
| Relevant relay              | <a href="#">RCI424R24</a> | Relevant base                | <a href="#">SRC-I 2CO</a> |
| Certificate no. (CSA) relay | 249409-2426937            | Certificate no. (CSA) base   | 249409-2295474            |
| Certificate No. (DNV)       | TAA000011A                | Certificate no. (cURus) base | E223759                   |

### 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 <sup>2</sup> | Clamping range, min.  | 1 mm <sup>2</sup> |
| Clamping range, max.  | 2.5 mm <sup>2</sup> | Wire cross-section, solid, min.   | 1 mm <sup>2</sup> |
| Wire cross-section, solid, max.   | 2.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, min.                                    | 1 mm <sup>2</sup> |
| Wire connection cross section, finely stranded, max.                                    | 2.5 mm <sup>2</sup> | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 1 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 2.5 mm <sup>2</sup> | Conductor cross-section, flexible, AEH (DIN 46228-1), min.                              | 1 mm <sup>2</sup> |
| Conductor cross-section, flexible, AEH (DIN 46228-1), max.                              | 2.5 mm <sup>2</sup> | Wire connection cross section, finely stranded, two clampable wires, min.               | 1 mm <sup>2</sup> |
| Wire cross-section, finely stranded, two clampable wires, max.                          | 1.5 mm <sup>2</sup> | Blade size  | size PZ 1         |

### Important note

Product information IP20 without connected conductor at complete opened clamping yoke 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 |             |             |

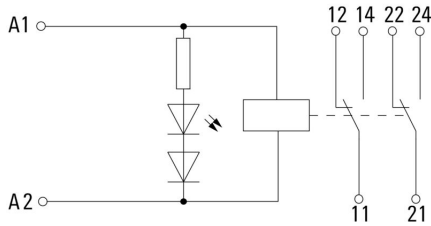
**RCIKIT 24VAC 2CO LD**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

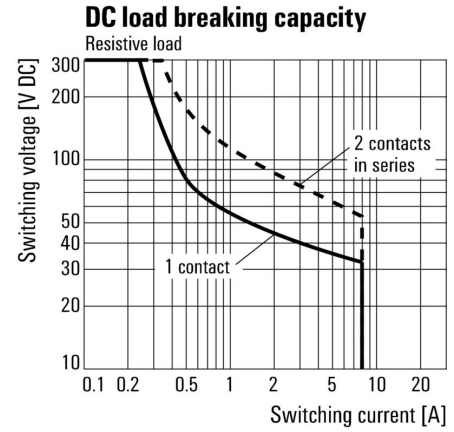
www.weidmueller.com

**Drawings**

**Wiring diagram**

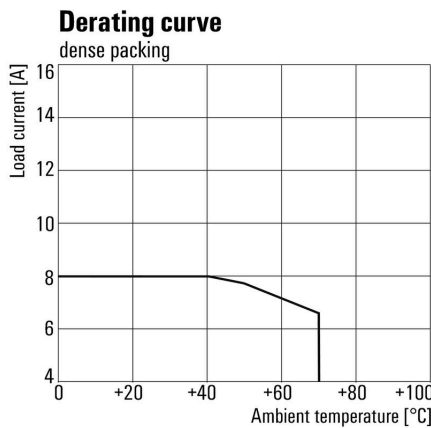


**Graph**



DC load limit curve Resistive load

**Graph**



Derating curve Relay in combination with base

**Graph**



AC operational voltage range

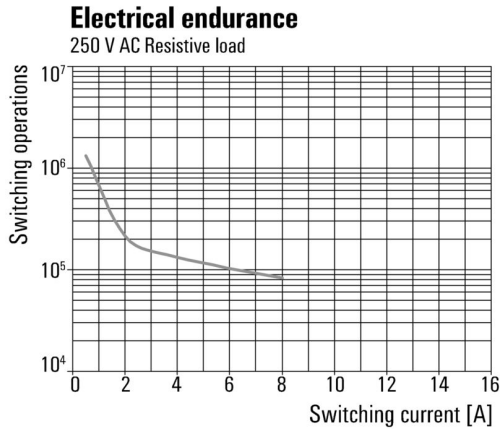
**RCIKIT 24VAC 2CO LD**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

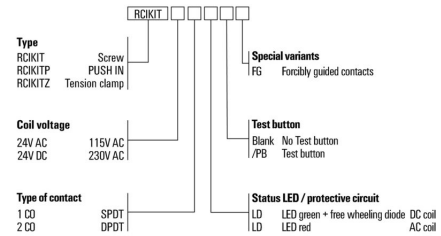
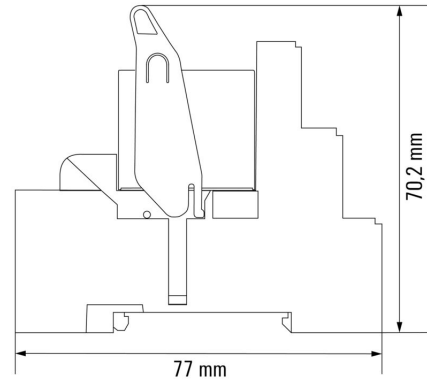
**Drawings**

**Graph**



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

**Dimensioned drawing**



## RCIKIT 24VAC 2CO LD

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Accessories

### Cross-connection for socket with screw connection

Cross-connection for the sockets in the D-SERIES DRI.



### General ordering data

|            |                            |                                  |  |
|------------|----------------------------|----------------------------------|--|
| Type       | SRC-I QV S                 | Version                          |  |
| Order No.  | <a href="#">1132070000</a> | RIDERSERIES RCI, Cross-connector |  |
| GTIN (EAN) | 4032248912087              |                                  |  |
| Qty.       | 10 ST                      |                                  |  |

### Retaining clips

Retaining clip for RIDERSERIES RCI relays  
• Metal and plastic retaining clip



### General ordering data

|            |                            |                                 |  |
|------------|----------------------------|---------------------------------|--|
| Type       | SRC-I CLIP HP              | Version                         |  |
| Order No.  | <a href="#">8869510000</a> | RIDERSERIES RCI, Retaining clip |  |
| GTIN (EAN) | 4032248614462              |                                 |  |
| Qty.       | 10 ST                      |                                 |  |

## RCIKIT 24VAC 2CO LD

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Accessories

### Individual components



Relay modules with forcibly guided contacts  
 Relays with forcibly guided contacts have a 99 % diagnostics coverage and an excellent reputation for use in safety systems. The contacts interlock mechanically with each other in order to ensure a synchronous switching status of both contacts. This guarantees that the alert contact will maintain the same switching status in the event of an error (for example, if the working contact welds from an overload). The controller (or safety controller) detects the alert contact and then compares the set values and actual values. If a difference occurs, measures can then be taken to protect equipment and human life.

- 2 CO contacts with 6 A, forcibly guided according to EN 61810-3 type B
- Proven component in safety technology
- Diagnosis coverage of 99 %

### General ordering data

|            |                            |                                 |  |
|------------|----------------------------|---------------------------------|--|
| Type       | SRC-I CLIP HM RCI          | Version                         |  |
| Order No.  | <a href="#">1132090000</a> | RIDERSERIES RCI, Retaining clip |  |
| GTIN (EAN) | 4032248912209              |                                 |  |
| Qty.       | 20 ST                      |                                 |  |

### 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-1 1 6/230V             | Version  |  |
| Order No.  | <a href="#">8869580000</a> | RIDERSERIES, Free-wheeling diode, Rated control voltage: 6...230 V             |  |
| GTIN (EAN) | 4032248614523              | DC, Plug-in connection   |  |
| Qty.       | 10 ST                      |  |  |
| Type       | RIM-3 3 6/60VAC RC         | Version  |  |
| Order No.  | <a href="#">8869770000</a> | RIDERSERIES, RC filter, Rated control voltage: 6...60 V UC, Plug-in connection |  |
| GTIN (EAN) | 4032248606320              |  |  |
| Qty.       | 10 ST                      |  |  |

## RCIKIT 24VAC 2CO LD

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## Accessories

### 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.  | <a href="#">8869710000</a> | RIDERSERIES, Protective varistor, Rated control voltage: 24 V UC, |  |
| GTIN (EAN) | 4032248606344              | Plug-in connection  |  |
| Qty.       | 10 ST                      |   |  |

### 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            | Version  |  |
| Order No.  | <a href="#">8869630000</a> | RIDERSERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in connection  |  |
| GTIN (EAN) | 4032248614578              |  |  |
| Qty.       | 10 ST                      |  |  |
| Type       | RIM-I 3 6/24VUC GN         | Version  |  |
| Order No.  | <a href="#">8869640000</a> | RIDERSERIES, LED module, Rated control voltage: 6...24 V UC, Plug-in connection  |  |
| GTIN (EAN) | 4032248614585              |  |  |
| Qty.       | 10 ST                      |  |  |
| Type       | RIM-I 3 24/60VUC           | Version  |  |
| Order No.  | <a href="#">8869610000</a> | RIDERSERIES, LED module, Rated control voltage: 24...60 V UC, Plug-in connection |  |
| GTIN (EAN) | 4032248614554              |  |  |
| Qty.       | 10 ST                      |  |  |
| Type       | RIM-I 3 24/60VUC GN        | Version  |  |
| Order No.  | <a href="#">8869620000</a> | RIDERSERIES, LED module, Rated control voltage: 24...60 V UC, Plug-in connection |  |
| GTIN (EAN) | 4032248614561              |  |  |
| Qty.       | 10 ST                      |  |  |

## RCIKIT 24VAC 2CO LD

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

## Accessories

www.weidmueller.com

## 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 6/15 K MC NE GE        | Version   |
| Order No.  | <a href="#">1880130000</a> | ESG, Device markers x 15 mm, PA 66, Colour: yellow, Self-adhesive |
| GTIN (EAN) | 4032248478910              |   |
| Qty.       | 200 ST                     |   |
| Type       | ESG 6/15 K MC NE WS        | Version   |
| Order No.  | <a href="#">1880100000</a> | ESG, Device markers x 15 mm, PA 66, Colour: white, Self-adhesive  |
| GTIN (EAN) | 4032248478781              |   |
| Qty.       | 200 ST                     |   |

## 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.  | <a href="#">2749670000</a> | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1 |
| GTIN (EAN) | 4050118896411              |   |
| Qty.       | 1 ST                       |   |

## RCIKIT 24VAC 2CO LD

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

www.weidmueller.com

## 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.  | <a href="#">2749920000</a> | Screwdriver, Blade width (B): 1 mm, 80 mm, Blade thickness (A): 1    |  |
| GTIN (EAN) | 4050118897227              |  |  |
| Qty.       | 1 ST                       |  |  |
| Type       | SDK PZ1 X 80               | Version  |  |
| Order No.  | <a href="#">2749440000</a> | Screwdriver, Blade width (B): 14.5 mm, 80 mm, Blade thickness (A): 1 |  |
| GTIN (EAN) | 4050118895667              |  |  |
| Qty.       | 1 ST                       |  |  |

## 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.  | <a href="#">2619940000</a> | ESG, Device markers, 6 x 15 mm, white |  |
| GTIN (EAN) | 4050118626148              |                                       |  |
| Qty.       | 3000 ST                    |                                       |  |

## 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

**RCIKIT 24VAC 2CO LD**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany

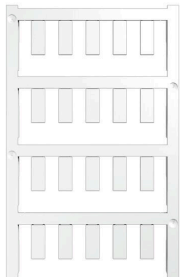
www.weidmueller.com

**Accessories**

**General ordering data**

|            |                            |                                       |  |
|------------|----------------------------|---------------------------------------|--|
| Type       | ESG 6/17 MM WS             | Version                               |  |
| Order No.  | <a href="#">2005100000</a> | ESG, Device markers, 6 x 17 mm, white |  |
| GTIN (EAN) | 4050118390728              |                                       |  |
| Qty.       | 3000 ST                    |                                       |  |

**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 6/15 SRC-I MC NE WS    | Version  |  |
| Order No.  | <a href="#">2558350000</a> | ESG, Device markers x 15 mm, PA 66, Colour: white, pluggable |  |
| GTIN (EAN) | 4050118569063              |  |  |
| Qty.       | 200 ST                     |  |  |