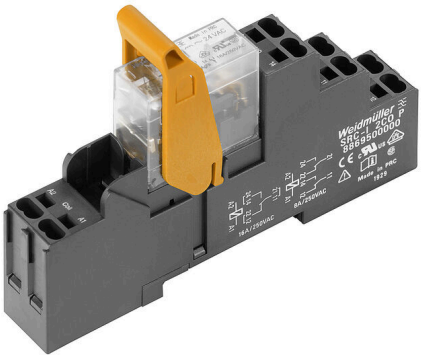
Data sheet

# RCIKITP 230VAC 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 RCI, Relay module, Number of contacts: 2, CO contact AgNi, Rated control voltage: 230 V AC, Continuous current: 8 A, PUSH IN, Test button available: No |
| Order No. | 8897180000 |
| Type | RCIKITP 230VAC 2CO LD |
| GTIN (EAN) | 4032248646951 |
| Qty. | 10 items |
| Delivery status | This article will no longer be available in the future. |
| Last order date | 2024-10-31T00:00:00+01:00 |
| Alternative product | CRIKIT P 230VAC 2CO L |



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# Data sheet

## RCIKITP 230VAC 2CO LD

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# Technical data

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 69.6 mm | Depth (inches) | 2.7402 inch |
| Height | 98 mm | Height (inches) | 3.8583 inch |
| Width | 15.8 mm | Width (inches) | 0.622 inch |
| Net weight | 49.81 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 | 230 V AC | Rated current AC | 4.4 mA |
| Power rating | 1012 mVA | Coil resistance | 32500 Ω ± 15 % |
| 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 / 1min |
| 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 |



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## Technical data

### Further details of approvals / standards

| | | | |
|---|---|---|---|
| Relevant relay | RCI424T30 | Relevant base | SRC-I 2CO P |
| 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 | PUSH IN | Stripping length, rated connection | 12 mm |
| Clamping range, rated connection | 1.5 mm² | Clamping range, min. | 0.75 mm² |
| Clamping range, max. | 1.5 mm² | Wire cross-section, solid, min. | 0.75 mm² |
| Wire cross-section, solid, max. | 1.5 mm² | Wire connection cross section, finely stranded, min. | 0.75 mm² |
| Wire connection cross section, finely stranded, max. | 1.5 mm² | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.75 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 0.75 mm² | Conductor cross-section, flexible, AEH (DIN 46228-1), min. | 0.75 mm² |
| Conductor cross-section, flexible, AEH (DIN 46228-1), max. | 1 mm² | Blade size | 0.6 x 3.5 mm |

### 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 | | |



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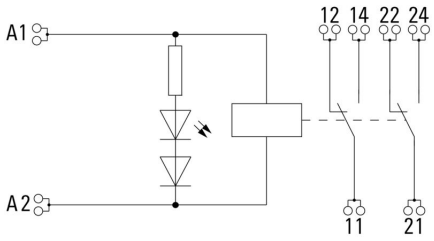
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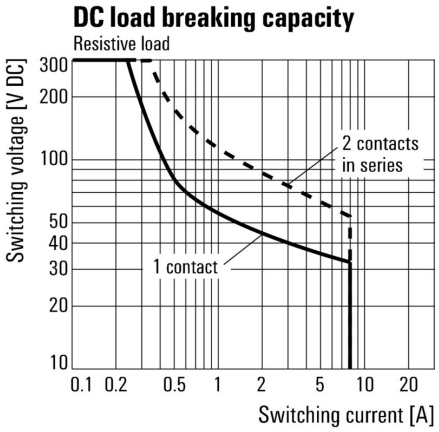
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## Drawings

### Wiring diagram

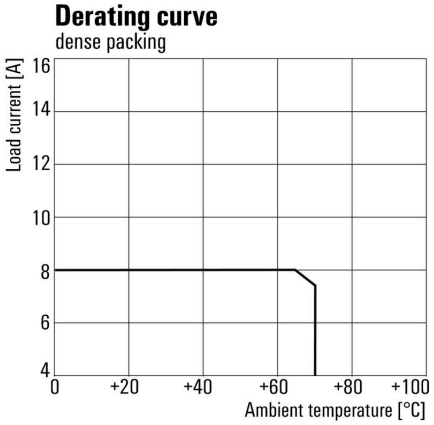



### Graph



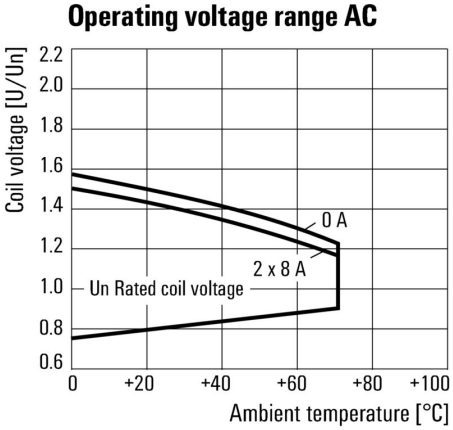

DC load limit curve Resistive load

### Graph




Derating curve Relay in combination with base

### Graph




AC operational voltage range



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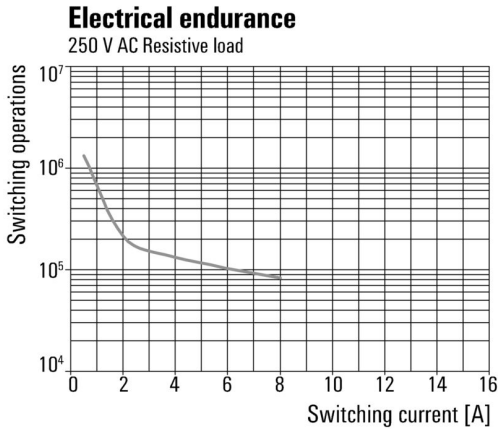
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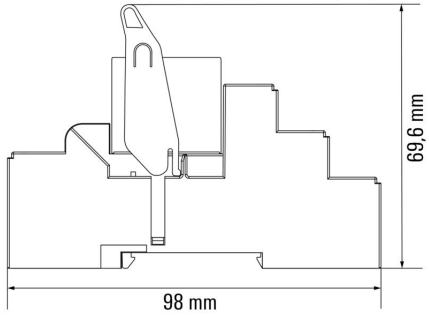
## Drawings

### Graph



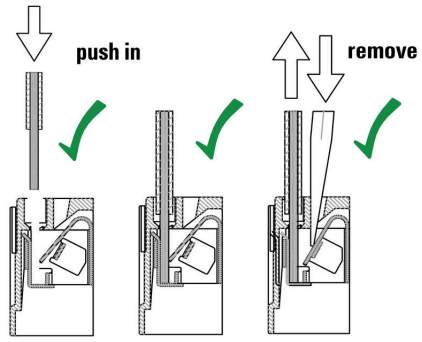

Electrical service life250 V AC
resistive load 250 V AC resistive load

### Dimensioned drawing

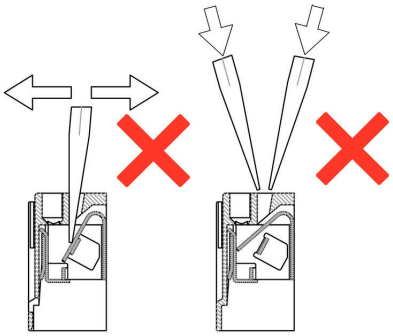



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### Correct handling PUSH IN connection




### Wrong handling PUSH IN connection





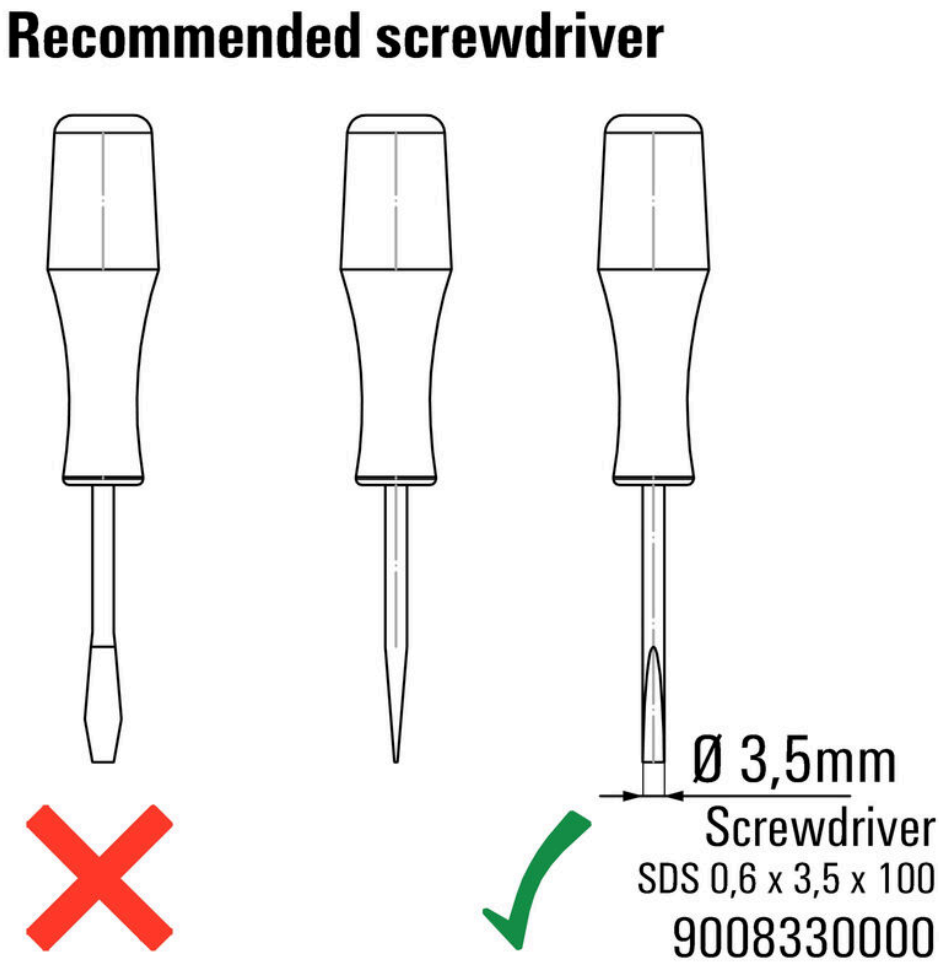
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## Drawings





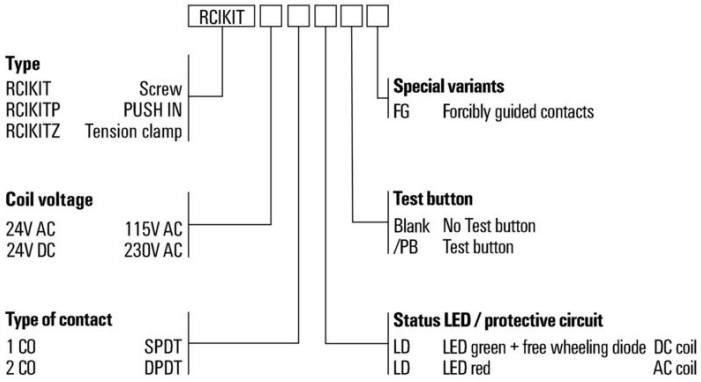

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