

**RCIKIT 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 90/10, Rated control voltage: 230 V AC, Continuous current: 8 A, Screw connection |
| Order No.      | <a href="#">8871050000</a>                                                                                                                              |
| Type           | RCIKIT 230VAC 2CO LD                                                                                                                                    |
| GTIN (EAN)     | 4032248604210                                                                                                                                           |
| Qty.           | 10 pc(s).                                                                                                                                               |
| Relevant base  | <a href="#">8869490000</a>                                                                                                                              |
| Relevant relay | <a href="#">8870230000</a>                                                                                                                              |

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## Technical data

## Dimensions and weights

|                |            |                 |            |
|----------------|------------|-----------------|------------|
| Depth          | 70.2 mm    | Depth (inches)  | 2.764 inch |
| Height         | 77 mm      | Height (inches) | 3.031 inch |
| Net weight     | 56.32 g    | Width           | 15.8 mm    |
| Width (inches) | 0.622 inch |                 |            |

## Temperatures

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

## Environmental Product Compliance

|            |                |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

## Control side

|                                |                         |                       |          |
|--------------------------------|-------------------------|-----------------------|----------|
| Coil resistance                | 32500 $\Omega \pm 15\%$ | Power rating          | 1012 mVA |
| Pull-in/drop-out voltage, typ. | 172.5 V / 34.5 V AC     | Rated control voltage | 230 V AC |
| Rated current AC               | 4.4 mA                  | Status indicator      | red LED  |

## Load side

|                                         |              |                      |                                         |
|-----------------------------------------|--------------|----------------------|-----------------------------------------|
| AC switching capacity (resistive), max. | 2000 VA      | Continuous current   | 8 A                                     |
| DC switching capacity (resistive), max. | 192 W @ 24 V | Inrush current       | 15 A / 4 s                              |
| Max. switching frequency at rated load  | 0.1 Hz       | Min. switching power | 1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V |
| Rated switching voltage                 | 250 V AC     | Switch-off delay     | $\leq 6$ ms                             |
| Switch-on delay                         | $\leq 10$ ms |                      |                                         |

## Contact data

|              |                           |                         |                                                                                     |
|--------------|---------------------------|-------------------------|-------------------------------------------------------------------------------------|
| Contact type | 2 CO contact (AgNi 90/10) | Mechanical service life | AC coil $5 \times 10^6$ switching cycles, DC coil $10 \times 10^6$ switching cycles |
|--------------|---------------------------|-------------------------|-------------------------------------------------------------------------------------|

## General data

|                                      |       |             |       |
|--------------------------------------|-------|-------------|-------|
| Rail                                 | TS 35 | Test button | No    |
| Mechanical switch position indicator | No    | Colour      | black |

## Insulation coordination

|                                                |                             |                                              |                                |
|------------------------------------------------|-----------------------------|----------------------------------------------|--------------------------------|
| Creepage and clearance distance input – output | $\geq 8$ mm                 | Dielectric strength of neighbouring contacts | 2.5 kV <sub>eff</sub> / 1 Min. |
| Dielectric strength of open contact            | 1 kV <sub>eff</sub> / 1 min | Dielectric strength, Input/Output            | 5 kV <sub>eff</sub> / 1min     |
| Impulse withstand voltage                      | 5 kV (1.2/50 $\mu$ s)       | Insulating material group                    | IIIa                           |
| Pollution severity                             | 2                           | Protection degree                            | IP20                           |
| Rated voltage                                  | 250 V                       | Surge voltage category                       | III                            |

## Further details of approvals / standards

|                               |                |                              |                |
|-------------------------------|----------------|------------------------------|----------------|
| Standards                     | DIN EN 50178   | Certificate no. (CSA) relay  | 249409-2426937 |
| Certificate no. (CSA) base    | 249409-2295474 | Certificate No. (DNVGL)      | TAA000011A     |
| Certificate no. (cURus) relay | E224238        | Certificate no. (cURus) base | E223759        |

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## 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 PZ1          |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001437    | ETIM 7.0    | 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 |

## Important note

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

## Approvals

Approvals



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

## Downloads

|                                             |                                                                         |
|---------------------------------------------|-------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">STEP</a>                                                    |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                                |

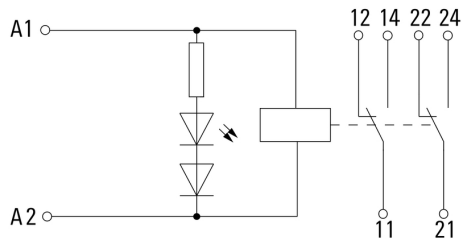
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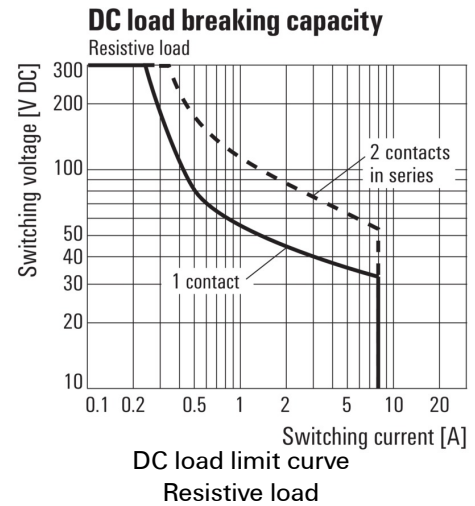
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## Drawings

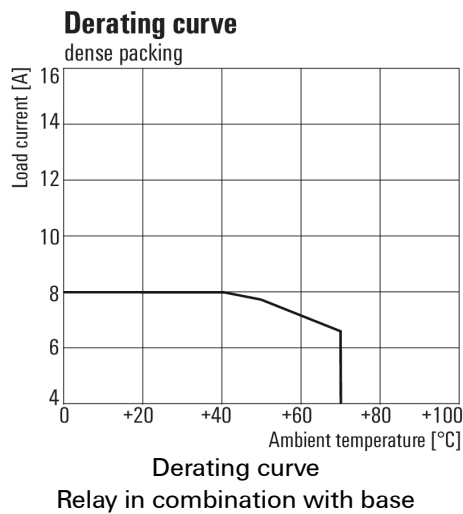
### Wiring diagram



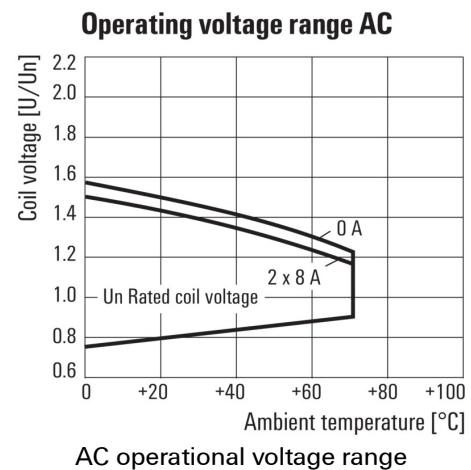
### Graph



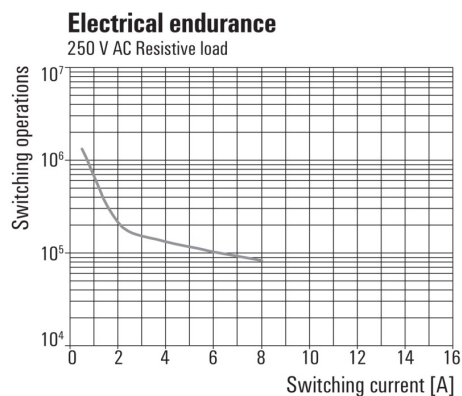
### Graph



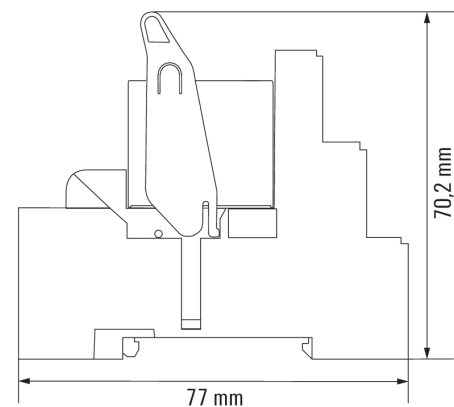
### Graph



### Graph



### Dimensioned drawing



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## Drawings

