

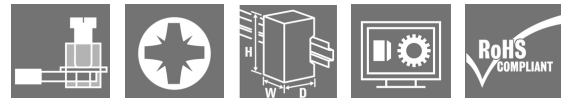
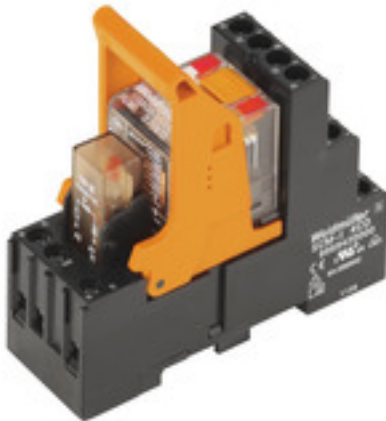
**RCMKIT-I 24VAC 4CO LD****Weidmüller Interface GmbH & Co. KG**

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
- 4 CO contacts
- 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: 4, CO contact AgNi, Rated control voltage: 24 V AC, Continuous current: 6 A, Screw connection, Test button available: Yes |
| Order No.           | <a href="#">8921040000</a>                                                                                                                                                   |
| Type                | RCMKIT-I 24VAC 4CO LD                                                                                                                                                        |
| GTIN (EAN)          | 4032248701957                                                                                                                                                                |
| Qty.                | 10 pc(s).                                                                                                                                                                    |
| Relevant base       | <a href="#">8869420000</a>                                                                                                                                                   |
| Relevant relay      | <a href="#">8690110000</a>                                                                                                                                                   |
| Relevant rim module | <a href="#">8869630000</a>                                                                                                                                                   |

Creation date October 30, 2021 5:00:44 AM CEST

## RCMKIT-I 24VAC 4CO LD

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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 | 106.7 g |                 |            |

## Temperatures

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

## Probability of failure

|     |                            |
|-----|----------------------------|
| B10 | 150.000 AC15:<br>250Vac/4A |
|-----|----------------------------|

## Environmental Product Compliance

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

## Control side

|                       |                       |                                |                   |
|-----------------------|-----------------------|--------------------------------|-------------------|
| Rated control voltage | 24 V AC               | Rated current AC               | 55 mA             |
| Power rating          | 1.32 VA               | Pull-in/drop-out voltage, typ. | 19.2 V / 7.2 V AC |
| Coil resistance       | 192 $\Omega \pm 10\%$ | Status indicator               | red LED           |

## Load side

|                                         |                                                                                      |                                         |                                         |
|-----------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------|-----------------------------------------|
| Rated switching voltage                 | 250 V AC                                                                             | Continuous current                      | 6 A                                     |
| Max. switching frequency at rated load  | 0.1 Hz                                                                               | Min. switching power                    | 1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V |
| Inrush current                          | 12 A / 20 ms                                                                         | AC switching capacity (resistive), max. | 1500 VA                                 |
| DC switching capacity (resistive), max. | 144 W @ 24 V                                                                         | Switch-on delay                         | $\leq 15$ ms                            |
| Switch-off delay                        | $\leq 10$ ms                                                                         | Contact type                            | 4 CO contact (AgNi)                     |
| Mechanical service life                 | AC coil $20 \times 10^6$ switching cycles, DC coil $30 \times 10^6$ switching cycles |                                         |                                         |

## General data

|                                      |       |                       |       |
|--------------------------------------|-------|-----------------------|-------|
| Rail                                 | TS 35 | Test button available | Yes   |
| 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 | $\geq 4$ mm                 | Dielectric strength for control side - load side | 2.5 kV <sub>eff</sub> / 1 Min. |
| Dielectric strength of neighbouring contacts                  | 2 kV <sub>eff</sub> / 1 min | Dielectric strength of open contact              | 1.2 kV <sub>eff</sub> / 1 min. |
| Impulse withstand voltage                                     | 5 kV (1.2/50 $\mu$ s)       | Protection degree                                | IP20                           |

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## 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        |

## 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    |
| ETIM 8.0    | 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>                                |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                |
| Brochures                                   |                                                                         |

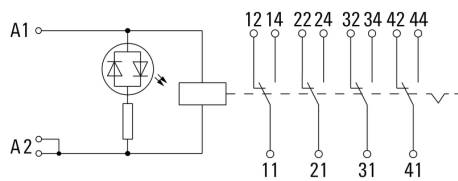
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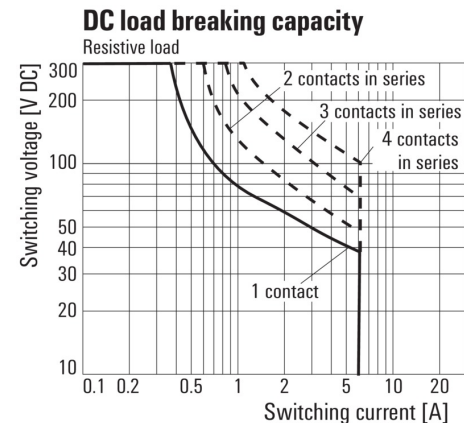
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## Drawings

### Wiring diagram

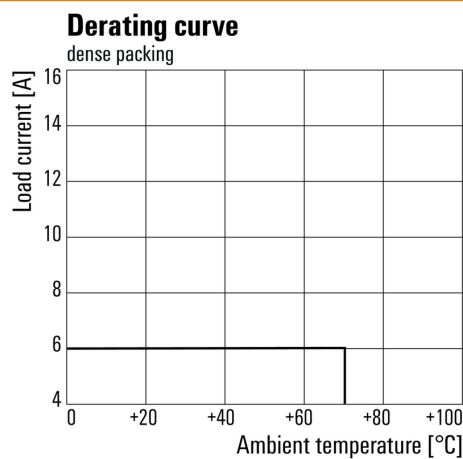


### Graph



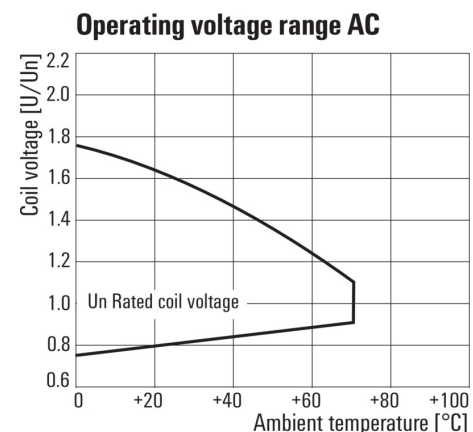
DC load limit curve  
Resistive load

### Graph



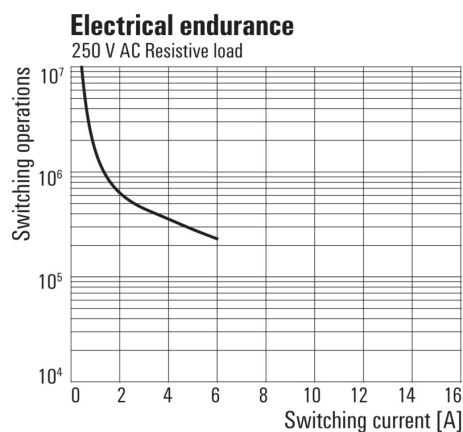
Derating curve  
Relay in combination with base

### Graph



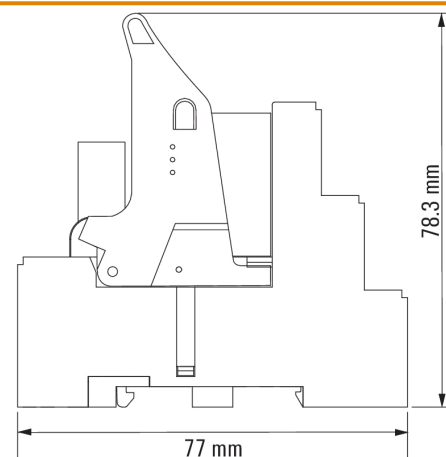
AC operational voltage range

### Graph



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

### Dimensional drawing



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**Drawings**
