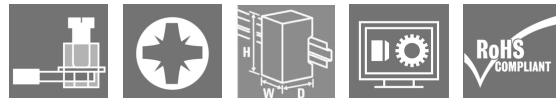


## RIDERSERIES RCM RCMKIT-I 24VDC 2CO LD

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 16  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
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### Product image



Similar to illustration

Modular system comprised of:

- relay socket for rail mounting
- LED indicator unit
- retaining clip
- plug-in relay
- markers

### General ordering data

|            |   |
|------------|---|
| Type       | RCMKIT-I 24VDC 2CO LD   |
| Order No.  | <a href="#">8920940000</a>  |
| Version    | RIDERSERIES RCM, Relays, No. of contacts: 2<br>CO contact with test button AgNi 90/10, Rated<br>control voltage: 24 V DC, Continuous current: 12<br>A, Screw connection |
| GTIN (EAN) | 4032248692194   |
| Qty.       | 10 pc(s).   |

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**Technical data**
**Dimensions and weights**

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Width      | 27.2 mm | Width (inches)  | 1.071 inch |
| Height     | 77 mm   | Height (inches) | 3.031 inch |
| Depth      | 78.3 mm | Depth (inches)  | 3.083 inch |
| Net weight | 89.35 g |                 |            |

**Temperatures**

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

**Environmental Product Compliance**

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

**Input**

|                       |                     |                                |                 |
|-----------------------|---------------------|--------------------------------|-----------------|
| Rated control voltage | 24 V DC             | Rated current DC               | 31.3 mA         |
| Power rating          | 740 mW              | Pull-in/drop-out voltage, typ. | 18 V / 2.4 V DC |
| Coil resistance       | 777 Ω ± 10 %        | Status indicator               | Green LED       |
| Protective circuit    | Free-wheeling diode |                                |                 |

**Output**

|                         |   |  |              |
|-------------------------|---|--|--------------|
| Rated switching voltage | 240 V AC                                | Max. switching voltage, AC             | 400 V        |
| Continuous current      | 12 A                                    | Inrush current                         | 24 A / 20 ms |
| Switch-on delay         | ≤ 15 ms                                 | Switch-off delay                       | ≤ 10 ms      |
| Min. switching power    | 1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V | Max. switching frequency at rated load | 0.1 Hz       |

**Contact data**

|              |  |                         |  |
|--------------|--|-------------------------|--|
| Contact type | 2 CO contact with test button (AgNi 90/10) | Mechanical service life | AC coil 20 x 10 <sup>6</sup> switching cycles, DC coil 30 x 10 <sup>6</sup> switching cycles |
|--------------|--|-------------------------|--|

**General data**

|                                      |       |             |                |
|--------------------------------------|-------|-------------|----------------|
| Rail                                 | TS 35 | Test button | yes (lockable) |
| Mechanical switch position indicator | Yes   | Colour      | black          |

**Insulation coordination**

|  |                                |  |                                |
|--|--------------------------------|--|--------------------------------|
| Rated voltage                                  | 250 V                          | Surge voltage category                       | III                            |
| Pollution severity                             | 2                              | Insulating material group                    | IIIa                           |
| Protection degree                              | IP20                           | Dielectric strength, Input/Output            | 2.5 kV <sub>eff</sub> / 1 Min. |
| Creepage and clearance distance input - output | ≥ 4 mm                         | Dielectric strength of neighbouring contacts | 2.5 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 μs)               |

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**Technical data**
**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 3.0   | EC001437    | ETIM 4.0   | EC001437    |
| ETIM 5.0   | EC001437    | ETIM 6.0   | EC001437    |
| UNSPSC     | 30-21-19-17 | eClass 5.1 | 27-37-16-01 |
| eClass 6.2 | 27-37-16-01 | eClass 7.1 | 27-37-16-01 |
| eClass 8.1 | 27-37-16-01 | eClass 9.0 | 27-37-16-01 |
| eClass 9.1 | 27-37-16-01 |            |             |

**Product information**

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

**Approvals**

Approvals



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

**Downloads**

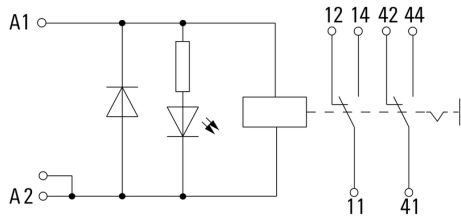
|   |  |
|---|--|
| Approval/Certificate/Document of Conformity | <a href="#">DE_PA5600_160414_002.pdf</a> |
| Brochure/Catalogue                          | <a href="#">CAT 4.2 ELECTR 18/19 EN</a>  |
| Engineering Data                            | <a href="#">EPLAN, WSCAD, Zuken E3.S</a> |
| Engineering Data                            | <a href="#">STEP</a>                     |

**RIDERSERIES RCM  
RCMKIT-I 24VDC 2CO LD**

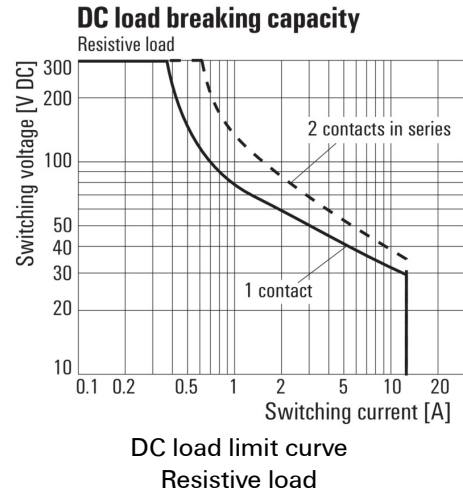
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**Drawings**

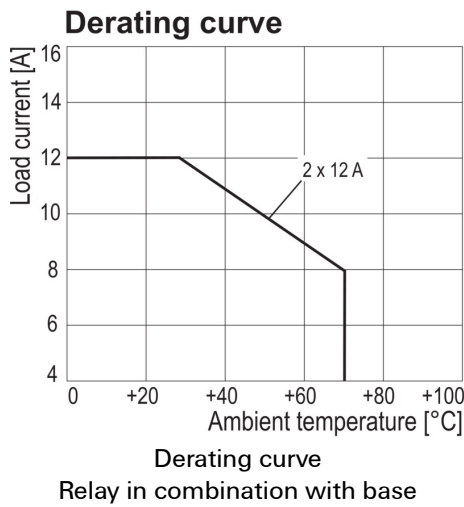
**Wiring diagram**



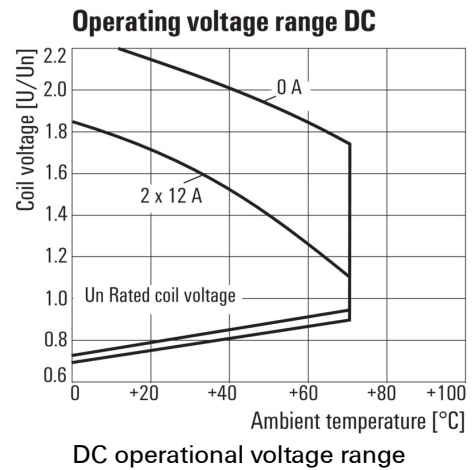
**Graph**



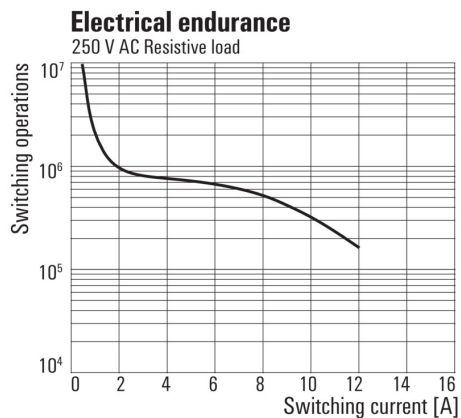
**Graph**



**Graph**



**Graph**



**Dimensional drawing**

