

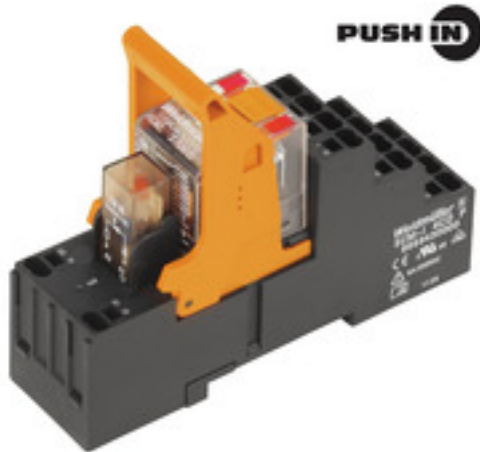
**RCMKITP-I 230VAC 4CO LD****Weidmüller Interface GmbH & Co. KG**

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 90/10, Rated control voltage: 230 V AC, Continuous current: 6 A, PUSH IN |
| Order No.           | <a href="#">8921150000</a>                                                                                                                     |
| Type                | RCMKITP-I 230VAC 4CO LD                                                                                                                        |
| GTIN (EAN)          | 4032248692361                                                                                                                                  |
| Qty.                | 10 pc(s).                                                                                                                                      |
| Relevant base       | <a href="#">8869430000</a>                                                                                                                     |
| Relevant relay      | <a href="#">1181100000</a>                                                                                                                     |
| Relevant rim module | <a href="#">8869650000</a>                                                                                                                     |

Creation date March 29, 2021 11:43:38 PM CEST

## RCMKITP-I 230VAC 4CO LD

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## Technical data

## Dimensions and weights

|                |            |                 |            |
|----------------|------------|-----------------|------------|
| Depth          | 78.3 mm    | Depth (inches)  | 3.083 inch |
| Height         | 98 mm      | Height (inches) | 3.858 inch |
| Net weight     | 97.45 g    | Width           | 28 mm      |
| Width (inches) | 1.102 inch |                 |            |

## 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 | 140.000 AC15:<br>250Vac/4A |
|-----|----------------------------|

## Environmental Product Compliance

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

## Control side

|                                |                         |                       |          |
|--------------------------------|-------------------------|-----------------------|----------|
| Coil resistance                | 19465 $\Omega \pm 15\%$ | Power rating          | 1.31 VA  |
| Pull-in/drop-out voltage, typ. | 184 V / 69 V AC         | Rated control voltage | 230 V AC |
| Rated current AC               | 5.7 mA                  | Status indicator      | red LED  |

## Load side

|                                         |              |                      |                                         |
|-----------------------------------------|--------------|----------------------|-----------------------------------------|
| AC switching capacity (resistive), max. | 1500 VA      | Continuous current   | 6 A                                     |
| DC switching capacity (resistive), max. | 144 W @ 24 V | Inrush current       | 12 A / 20 ms                            |
| 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     | $\leq 10$ ms                            |
| Switch-on delay                         | $\leq 15$ ms |                      |                                         |

## Contact data

|                           |                         |                                                                                      |
|---------------------------|-------------------------|--------------------------------------------------------------------------------------|
| Contact type              | Mechanical service life | AC coil $20 \times 10^6$ switching cycles, DC coil $30 \times 10^6$ switching cycles |
| 4 CO contact (AgNi 90/10) |                         |                                                                                      |

## General data

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

## Insulation coordination

|                                                |                                |                                              |                                |
|------------------------------------------------|--------------------------------|----------------------------------------------|--------------------------------|
| Creepage and clearance distance input – output | $\geq 4$ mm                    | 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. | Dielectric strength, Input/Output            | 2.5 kV <sub>eff</sub> / 1 Min. |
| 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                            |

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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                                                                  | PUSH IN              | Stripping length, rated connection                                                      | 12 mm                |
| Clamping range, rated connection                                                        | 1.5 mm <sup>2</sup>  | Clamping range, min.                                                                    | 0.75 mm <sup>2</sup> |
| Clamping range, max.                                                                    | 1.5 mm <sup>2</sup>  | Wire cross-section, solid, min.                                                         | 0.75 mm <sup>2</sup> |
| Wire cross-section, solid, max.                                                         | 1.5 mm <sup>2</sup>  | Wire cross-section, solid, max. (AWG)                                                   | AWG 16               |
| Wire connection cross section, finely stranded, min.                                    | 0.75 mm <sup>2</sup> | Wire connection cross section, finely stranded, max.                                    | 1.5 mm <sup>2</sup>  |
| Wire cross-section, finely stranded, max. (AWG)                                         | AWG 16               | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.75 mm <sup>2</sup> |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 0.75 mm <sup>2</sup> | Conductor cross-section, flexible, AEH (DIN 46228-1), min.                              | 0.75 mm <sup>2</sup> |
| Conductor cross-section, flexible, AEH (DIN 46228-1), max.                              | 1 mm <sup>2</sup>    | Blade size                                                                              | 0.6 x 3.5 mm         |

## 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 |

## 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>                                |

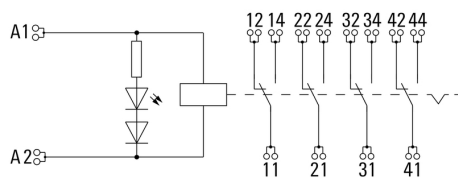
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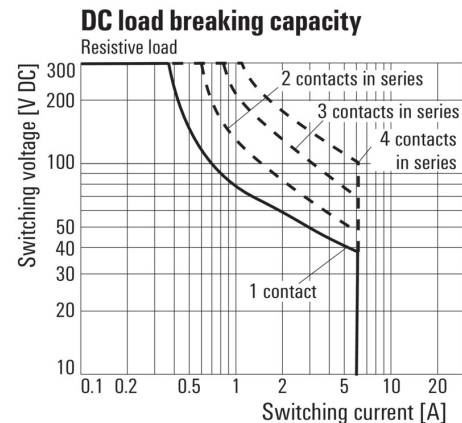
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## Drawings

### Wiring diagram

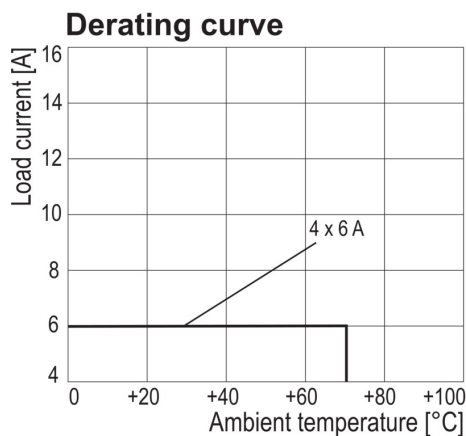


### Graph



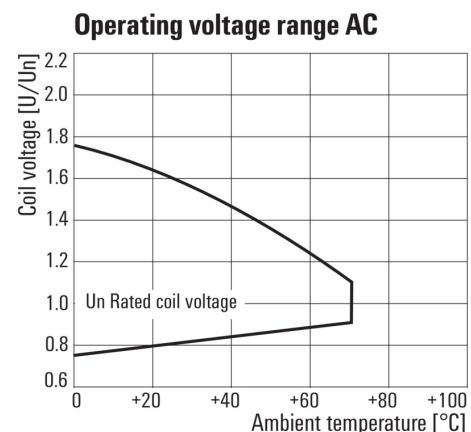
DC load limit curve  
Resistive load

### Graph



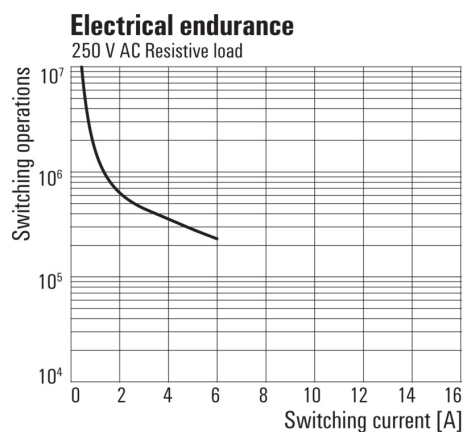
Derating curve  
Relay in combination with base

### Graph



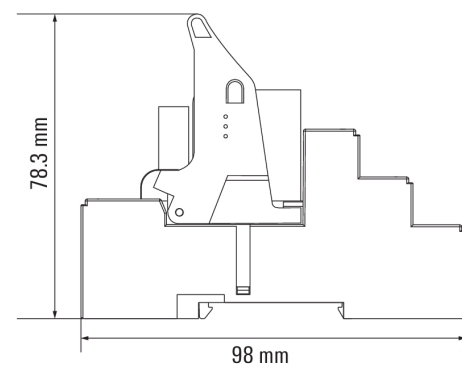
AC operational voltage range

### Graph



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

### Dimensional drawing



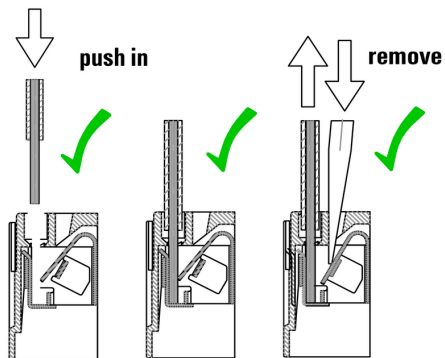
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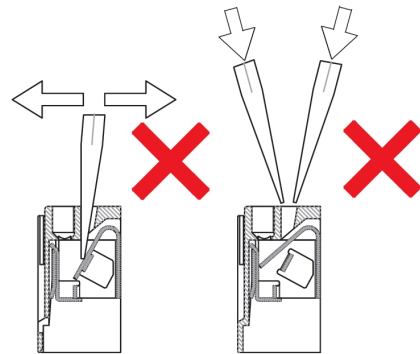
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**Drawings**

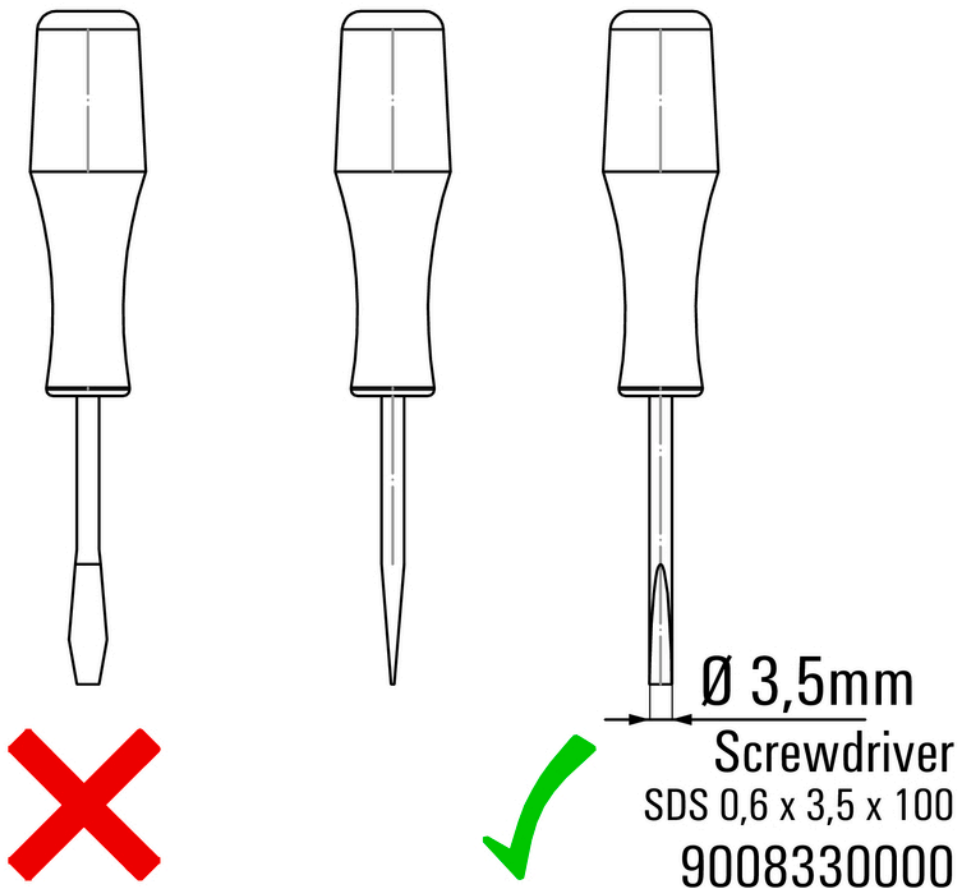
**Correct handling PUSH IN connection**



**Wrong handling PUSH IN connection**



**Recommended screwdriver**



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**Drawings**
