

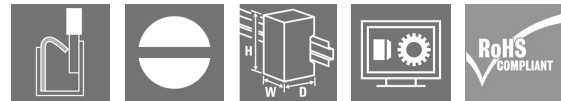
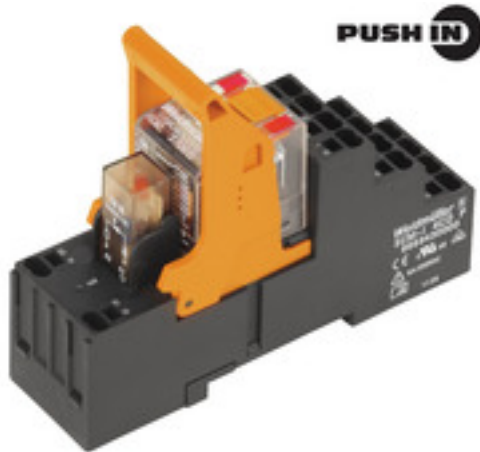
**RCMKITP-I 24VAC 2CO LD****Weidmüller Interface GmbH & Co. KG**

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 RCM, Relay module, Number of contacts: 2, CO contact AgNi, Rated control voltage: 24 V AC, Continuous current: 12 A, PUSH IN, Test button available: Yes |
| Order No.           | <a href="#">8921090000</a>                                                                                                                                           |
| Type                | RCMKITP-I 24VAC 2CO LD                                                                                                                                               |
| GTIN (EAN)          | 4032248701964                                                                                                                                                        |
| Qty.                | 10 pc(s).                                                                                                                                                            |
| Relevant base       | <a href="#">8876220000</a>                                                                                                                                           |
| Relevant relay      | <a href="#">8689760000</a>                                                                                                                                           |
| Relevant rim module | <a href="#">8869630000</a>                                                                                                                                           |

Creation date May 16, 2025 8:59:36 AM CEST

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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 |
| Width      | 28 mm   | Width (inches)  | 1.102 inch |
| Net weight | 98.8 g  |                 |            |

## Temperatures

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

## Control side

|                       |         |                  |                        |
|-----------------------|---------|------------------|------------------------|
| Rated control voltage | 24 V AC | Rated current AC | 55 mA                  |
| Power rating          | 1.32 VA | Coil resistance  | 192 $\Omega \pm 10 \%$ |
| Status indicator      | red LED |                  |                        |

## Load side

|                                         |                                                                                            |                                         |                                            |
|-----------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------|--------------------------------------------|
| Rated switching voltage                 | 240 V AC                                                                                   | Continuous current                      | 12 A                                       |
| Max. switching frequency at rated load  | 0.1 Hz                                                                                     | Max. switching voltage, AC              | 250 V                                      |
| Inrush current                          | 24 A / 20 ms                                                                               | AC switching capacity (resistive), max. | 3000 VA                                    |
| DC switching capacity (resistive), max. | 288 W @ 24 V                                                                               | Switch-on delay                         | $\leq 15$ ms                               |
| Switch-off delay                        | $\leq 10$ ms                                                                               | Contact type                            | 2 CO contact (AgNi)                        |
| Mechanical service life                 | AC coil $20 \times 10^6$ switching<br>cycles, DC coil $30 \times 10^6$<br>switching cycles | Min. switching power                    | 1 mA @ 24 V, 10 mA @ 12<br>V, 100 mA @ 5 V |

## General data

|                        |                                                  |                                      |     |
|------------------------|--------------------------------------------------|--------------------------------------|-----|
| Rail                   | TS 35                                            | Test button available                | Yes |
| Version of test button | Lockable test button, Mo-<br>mentary test button | 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<br>control side - load side | $\geq 4$ mm                    | Dielectric strength for control side - load<br>side | 2.5 kV <sub>eff</sub> / 1 Min. |
| Dielectric strength of neighbouring con-<br>tacts                | 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 $\mu$ s)          | Protection degree                                   | IP20                           |

## Further details of approvals / standards

|                              |                |                               |                |
|------------------------------|----------------|-------------------------------|----------------|
| Certificate no. (CSA) relay  | 249409-2426937 | Certificate no. (CSA) base    | 249409-2295474 |
| Certificate No. (DNV)        | TAA000011A     | Certificate no. (cURus) relay | E522350        |
| Certificate no. (cURus) base | E223759        |                               |                |

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## Technical data

## 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    |
| ETIM 8.0    | EC001437    | ETIM 9.0    | EC001437    |
| ETIM 10.0   | 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 | ECLASS 12.0 | 27-37-16-01 |
| ECLASS 13.0 | 27-37-16-01 | ECLASS 14.0 | 27-37-16-01 |
| ECLASS 15.0 | 27-37-16-01 |             |             |

## Environmental Product Compliance

|                        |                             |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC             | No SVHC above 0.1 wt%       |

## Approvals

Approvals



|                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319222/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319234/-T1z1mm-S800/</a> <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319260/-T1z1mm-S800/</a> |
| ROHS            | Conform                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Downloads

|                                             |                                                                         |
|---------------------------------------------|-------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">EU Konformitätserklärung / EU Declaration of Conformity</a> |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                         |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                |
| Brochures                                   |                                                                         |

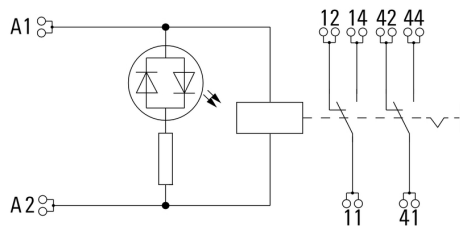
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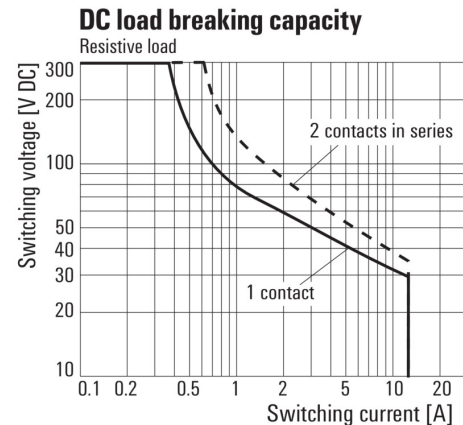
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## Drawings

### Wiring diagram

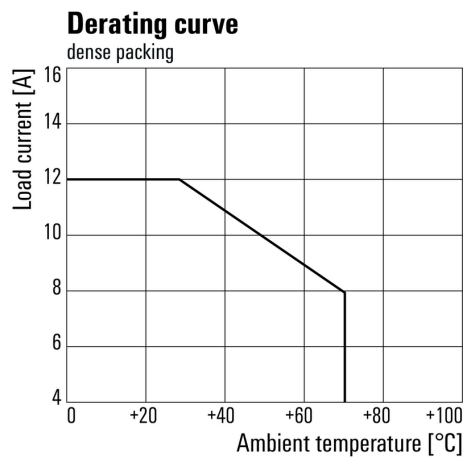


### Graph



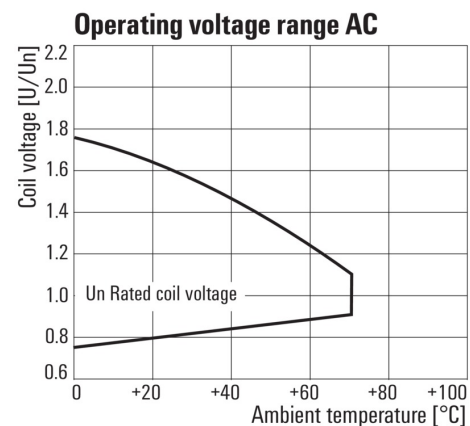
DC load limit curve  
Resistive load

### Graph



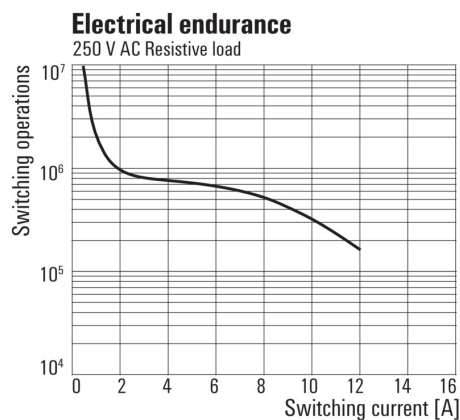
Derating curve  
Relay in combination with base

### Graph



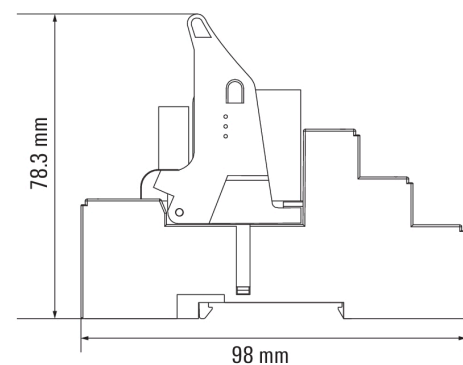
AC operational voltage range

### Graph



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

### Dimensional drawing



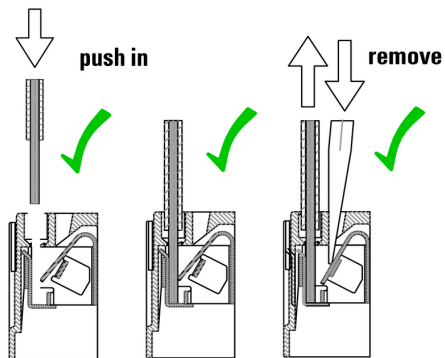
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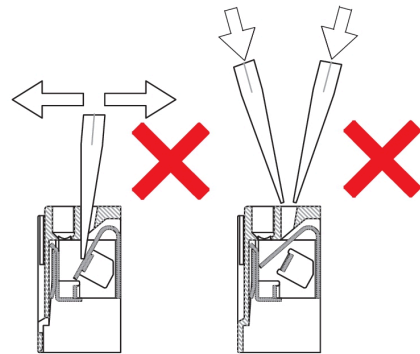
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**Drawings**

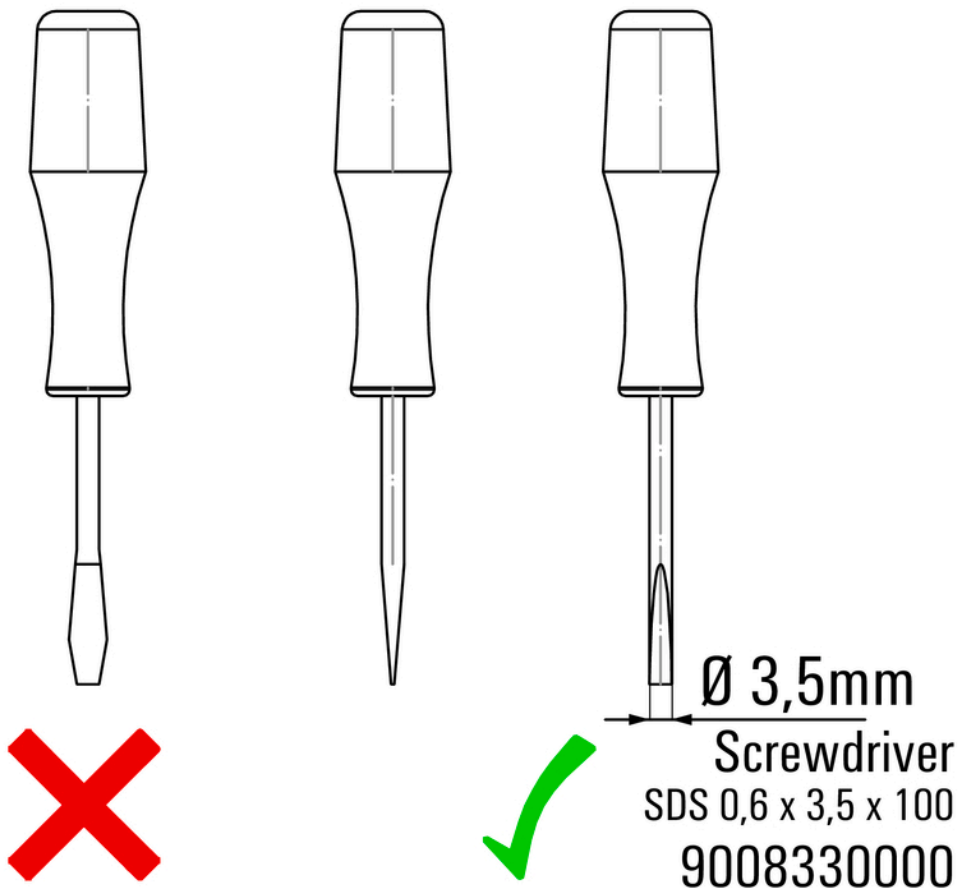
**Correct handling PUSH IN connection**



**Wrong handling PUSH IN connection**



**Recommended screwdriver**



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