

RCMKITP-I 24VAC 4CO LD

Weidmüller Interface GmbH & Co. KG

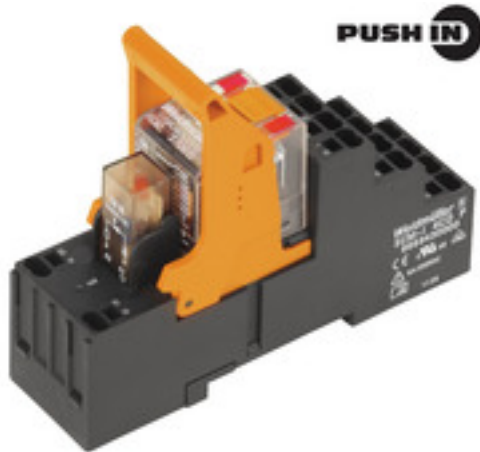
Klingenbergstraße 26

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, PUSH IN, Test button available: Yes |
| Order No. | 8921130000 |
| Type | RCMKITP-I 24VAC 4CO LD |
| GTIN (EAN) | 4032248692347 |
| Qty. | 10 pc(s). |
| Relevant rim module | 8869630000 |
| Relevant base | 8869430000 |
| Relevant relay | 8690110000 |

Creation date April 20, 2022 2:45:09 PM 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 | 108.4 g | | |

Temperatures

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

Probability of failure

| | |
|-----|----------------------------|
| B10 | 150.000 AC15: 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 Ω ± 10 % | Coil tolerance | 10 % |
| Status indicator | red LED | | |

Load side

| | | | |
|---|--|---|---|
| Rated switching voltage | 240 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 | ≤ 15 ms |
| Switch-off delay | ≤ 10 ms | Contact type | 4 CO contact (AgNi) |
| Mechanical service life | AC coil 20 x 10 ⁶ switching cycles, DC coil 30 x 10 ⁶ switching cycles | | |

General data

| | | | |
|------------------------|----------|--------------------------------------|-----|
| Rail | TS 35 | Test button available | Yes |
| Version of test button | lockable | 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 | ≥ 4 mm | Dielectric strength for control side - load side | 2.5 kV _{eff} / 1 Min. |
| Dielectric strength of neighbouring contacts | 2 kV _{eff} / 1 min | Dielectric strength of open contact | 1.2 kV _{eff} / 1 min. |
| Impulse withstand voltage | 5 kV (1.2/50 μs) | Protection degree | IP20 |

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Catalogue status 08.04.2022 / We reserve the right to make technical changes.

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Technical data

Further details of approvals / standards

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

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 | | |

Approvals

Approvals



ROHS

Conform

Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | EU Konformitätserklärung / EU Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | EPLAN, WSCAD, Zuken E3.S |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

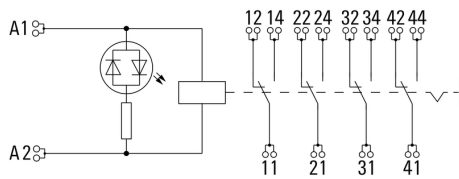
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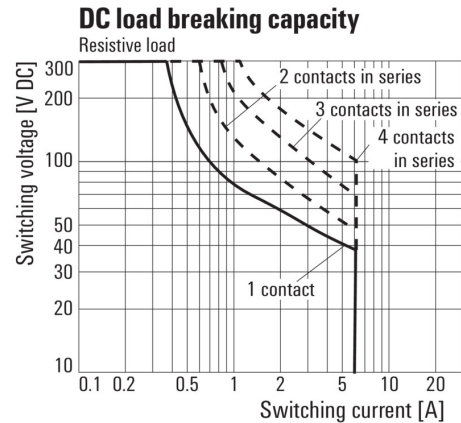
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Drawings

Wiring diagram

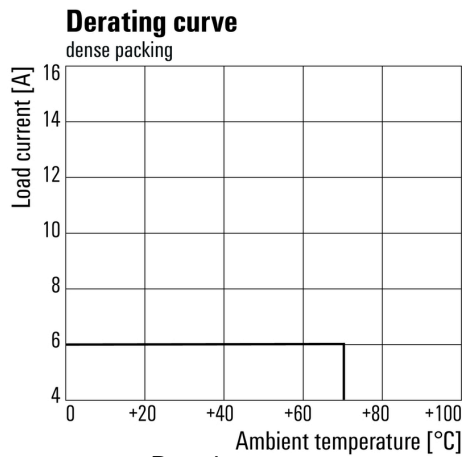


Graph



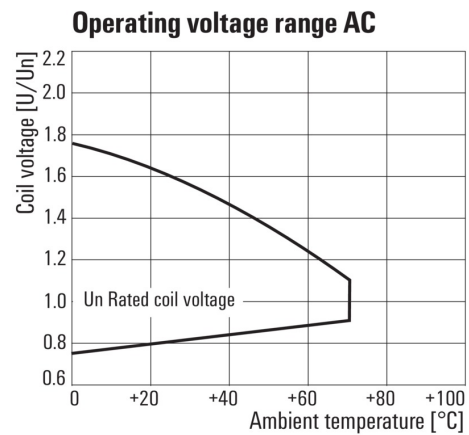
DC load limit curve
Resistive load

Graph



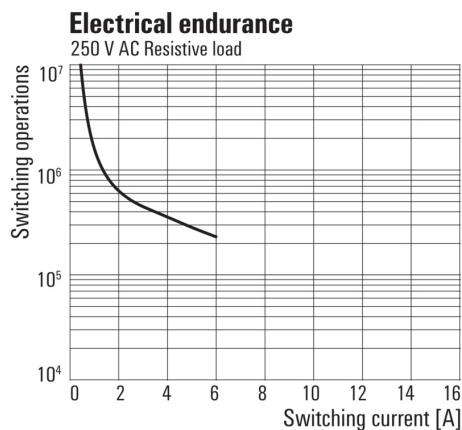
Relay in combination with base

Graph



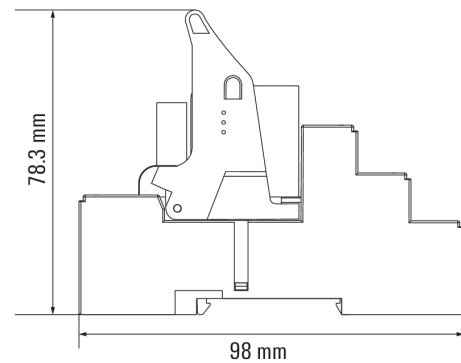
AC operational voltage range

Graph



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

Dimensional drawing



Correct handling PUSH IN connection



Wrong handling PUSH IN connection



Recommended screwdriver



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Drawings

