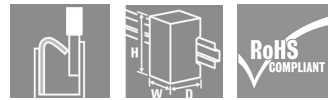


RIDERSERIES RCIKITP 24VAC 1CO LD/PB

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com



Modular system comprised of:

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

General ordering data

| | |
|------------|---|
| Order No. | 8897200000 |
| Type | RCIKITP 24VAC 1CO LD/PB |
| Version | RIDERSERIES, Relays, No. of contacts: 1, CO contact with test button, AgNi 90/10, Rated control voltage: 24 V AC, Continuous current: 16 A ⁽¹⁾ , PUSH IN spring connection |
| GTIN (EAN) | 4032248646975 |
| Qty. | 10 pc(s). |

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Technical data
Ratings

| | | | |
|-----------------------------|---------------------------|----------|---|
| Conductor connection system | PUSH IN spring connection | Humidity | 40 °C / 93 % rel. humidity, no condensation |
| UL 94 flammability rating | V-0 | | |

Dimensions and weights

| | | | |
|-------|---------|------------|--------|
| Width | 15.5 mm | Height | 98 mm |
| Depth | 70 mm | Net weight | 59.9 g |

Temperatures

| | | | |
|-----------------------|-----------------|---------------------|-----------------|
| Operating temperature | -40 °C...+70 °C | Storage temperature | -40 °C...+70 °C |
|-----------------------|-----------------|---------------------|-----------------|

Connection data

| | | | |
|--|---------------------|--|----------------------|
| Clamping range, rated connection | 1.5 mm ² | Clamping range, rated connection, min. | 0.75 mm ² |
| Clamping range, rated connection, max. | 1.5 mm ² | Stripping length, rated connection | 12 mm |

Input

| | | | |
|-------------------------------------|--------------|------------------|--|
| Rated control voltage | 24 V AC | Rated current AC | 31.6 mA |
| Coil resistance | 350 Ω ± 10 % | Power rating | 0.75 VA |
| Response / drop-out voltage AC coil | 18 V / 3.6 V | Status indicator | Green LED = DC coil; red LED = AC coil |

Output

| | | | |
|--|---------------------|--------------------------------|-------------|
| Rated switching voltage | 240 V AC | Max. switching voltage, AC | 400 V |
| Continuous current | 16 A ⁽¹⁾ | making current | 30 A / 4 s |
| Max. switching power | 4000 VA | Sparkover time / Drop-out time | 8 ms / 6 ms |
| Max. switching frequency at rated load | 0.1 Hz | | |

Contact specifications

| | | | |
|------------------|------------|-------------------------|---|
| No. of contacts | 1 | Contact design | CO contact with test button |
| Contact material | AgNi 90/10 | Mechanical service life | AC coil 5 x 10 ⁶ Switching cycles, DC coil 10 x 10 ⁶ Switching cycles |

Insulation coordination

| | | | |
|--|----------------------------|---|--------|
| Rated voltage | 250 V | Clearance and creepage distances for control side - load side | ≥ 8 mm |
| Dielectric strength for control side - load side | 5 kV _{eff} / 1min | Insulating material group | IIIa |
| Pollution severity | 3 | Surge voltage category | III |

Other technical data

| | | | |
|---------|------------------|------------------|--|
| Version | with test button | Status indicator | Green LED = DC coil; red LED = AC coil |
|---------|------------------|------------------|--|

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Technical data

Further details of approvals / standards

Standards DIN EN 50178

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC001437 | UNSPSC | 30-21-19-17 |
| eClass 5.1 | 27-37-16-01 | eClass 6.0 | 27-37-16-01 |
| eClass 7.0 | 27-37-16-01 | | |

Approvals

Approvals



Downloads

| | |
|---------------------------|--------------------------------|
| Declaration of Conformity | K315_07_09.pdf |
| EPLAN | 8897200000.ema |
| 3-D model | |

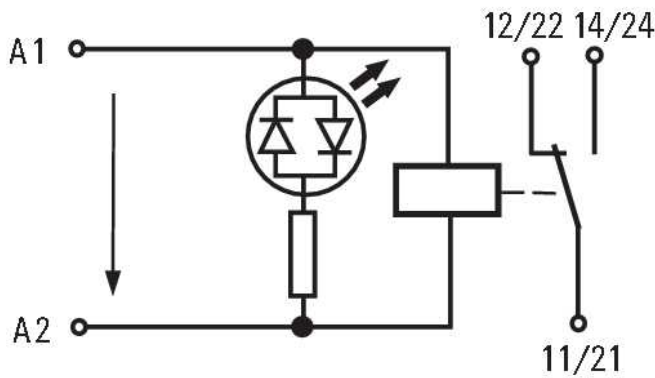
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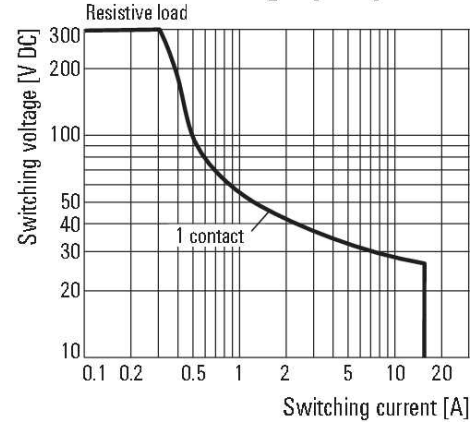
Drawings

Electric symbol

AC-Version

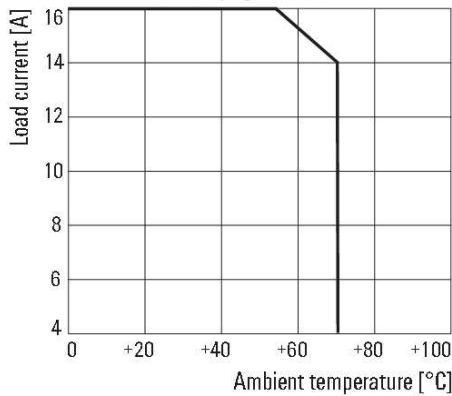


DC load breaking capacity

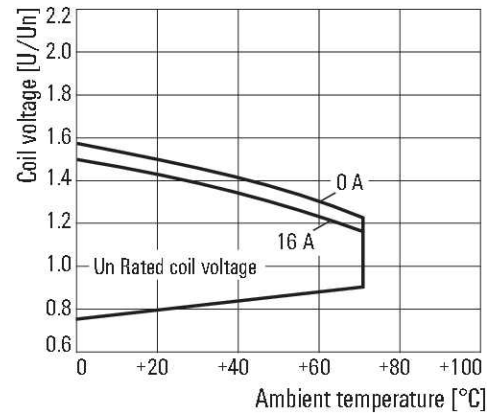


Derating curve

in combination with plug-in module

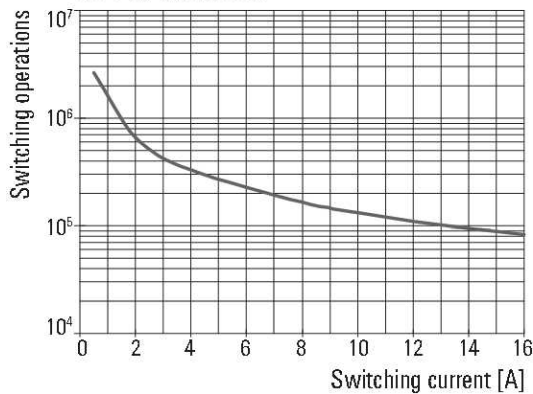


Operating voltage range AC



Electrical endurance

250 V AC Resistive load



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Accessories
LED


Pluggable protective modules for the RIDERSERIES RCI / RCM relay base, with optional protective functions.

- With either green or red LED
- For UC supply voltage

General ordering data

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|---------------------|--------------------------|---------------|-----------|
| 8869640000 | RIM-I 3 6/24VUC GN | RIDERSERIES, Accessories | 4032248614585 | 10 pc(s). |
| 8869630000 | RIM-I 3 6/24VUC | RIDERSERIES, Accessories | 4032248614578 | 10 pc(s). |
| 8869620000 | RIM-I 3 24/60VUC GN | RIDERSERIES, Accessories | 4032248614561 | 10 pc(s). |
| 8869610000 | RIM-I 3 24/60VUC | RIDERSERIES, Accessories | 4032248614554 | 10 pc(s). |

Cross-connector


Cross-connector for bridging connections in the RIDERSERIES RCI

General ordering data

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|------------|------------------------------|---------------|-----------|
| 8870840000 | SRC-I QV P | RIDERSERIES, Cross-connector | 4032248631681 | 10 pc(s). |
| 1132070000 | SRC-I QV S | RIDERSERIES, Cross-connector | 4032248912087 | 10 pc(s). |

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Accessories

LED / Protective varistor



Pluggable protective modules for the RIDERSERIES RCI / RCM relay base, with optional protective functions.

- With protective varistor
- For UC supply voltage

General ordering data

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|-------------------|--------------------------|---------------|-----------|
| 8869710000 | RIM-H 4 24VUC VAR | RIDERSERIES, Accessories | 4032248606344 | 10 pc(s). |

with LED and test button



Standard relays in the RIDERSERIES RCI.

- 1 CO contact
- Relay with AC coil
- Relay with test button and integrated status display

General ordering data

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|-----------|--|---------------|-----------|
| 8870280000 | RCI374R24 | RIDERSERIES, Relais, No. of contacts: 1, CO contact with test button, AgNi 90/10, Rated control voltage: 24 V AC, Continuous current: 12 A, Plug-in connection | 4032248613656 | 10 pc(s). |

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Accessories

Metal retaining clip



Metal retaining clip for RIDERSERIES RCI relays

General ordering data

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|-------------------|--------------------------|---------------|-----------|
| 1132090000 | SRC-I CLIP HM RCI | RIDERSERIES, Accessories | 4032248912209 | 20 pc(s). |

Labelling clip



Labelling clip for marking RIDERSERIES RCI relays

General ordering data

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|------------|----------------------|---------------|-----------|
| 8869530000 | SRC-I MARK | RIDERSERIES, Markers | 4032248614479 | 10 pc(s). |

Protection module



Pluggable protective modules for the RIDERSERIES RCI / RCM relay base, with optional protective functions.

- Optionally with free-wheel diode, load resistor or RC filter

General ordering data

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|--------------------|--------------------------|---------------|-----------|
| 8869580000 | RIM-I 1 6/230V | RIDERSERIES, Accessories | 4032248614523 | 10 pc(s). |
| 8869770000 | RIM-I 3 6/60VAC RC | RIDERSERIES, Accessories | 4032248606320 | 10 pc(s). |

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Accessories**Plastic retaining clip**

Plastic retaining clip for RIDERSERIES RCI relays

**General ordering data**

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|---------------|--------------------------|---------------|-----------|
| 8869510000 | SRC-I CLIP HP | RIDERSERIES, Accessories | 4032248614462 | 10 pc(s). |