

RIDERSERIES RCI374AC4

Weidmüller Interface GmbH & Co. KG
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Standard relays in the RIDERSERIES RCI.

- 1 CO contact
- Relay with DC coil
- Relay with test button, integrated status display and free-wheel diode

General ordering data

| | |
|------------|--|
| Order No. | 8870250000 |
| Type | RCI374AC4 |
| Version | RIDERSERIES, Relais, No. of contacts: 1, CO contact with test button, AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 16 A, Plug-in connection |
| GTIN (EAN) | 4032248613625 |
| Qty. | 10 pc(s). |

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Technical data
Ratings

| | | | |
|-----------------------------|--------------------|---------------------------|--|
| Conductor connection system | Plug-in connection | Humidity | 40 °C / 93 % rel. humidity, no condensation |
| Weight | 14 g | UL 94 flammability rating | V-0 |

Dimensions and weights

| | | | |
|------------|---------|--------|-------|
| Width | 13 mm | Height | 29 mm |
| Depth | 26.7 mm | Weight | 14 g |
| Net weight | 17.6 g | | |

Temperatures

| | | | |
|-----------------------|-----------------|---------------------|-----------------|
| Operating temperature | -40 °C...+70 °C | Storage temperature | -40 °C...+85 °C |
|-----------------------|-----------------|---------------------|-----------------|

Input

| | | | |
|--|----------------|------------------|-----------|
| Rated control voltage | 24 V DC | Rated current DC | 16.7 mA |
| Coil resistance | 1,440 Ω ±10 % | Power rating | 400 mW |
| Pull-in (sparkover) / drop-out voltage DC coil | 16.8 V / 2.4 V | Status indicator | Green LED |

Output

| | | | |
|--|--------------|--------------------------------|-------------|
| Rated switching voltage | 240 V AC | Max. switching voltage, AC | 400 V |
| Continuous current | 16 A | making current | 30 A / 4 s |
| Max. switching power | 4000 VA | Sparkover time / Drop-out time | 8 ms / 6 ms |
| Min. switching power | 12 V / 10 mA | Min. switching current | 10 mA |
| 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 |
| Type of contact | CO contact with test button | | |

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 | Impulse withstand voltage | 5 kV (1.2/50 μs) |
| Protection degree | IP 20 | Insulating material group | IIIa |
| Surge voltage category | III | | |

Other technical data

| | | | |
|------------------|--|------------------|-----------|
| Version | With test button + LED + freewheel diode | Status indicator | Green LED |
| Free-wheel diode | Yes | | |

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Technical data**Further details of approvals / standards**

Standards IEC 61810-1, UL508

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 2.0 | EC001437 | ETIM 3.0 | EC001437 |
| UNSPSC | 30-21-19-17 | eClass 4.1 | 40-02-06-14 |
| 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 [K295_12_10.pdf](#)

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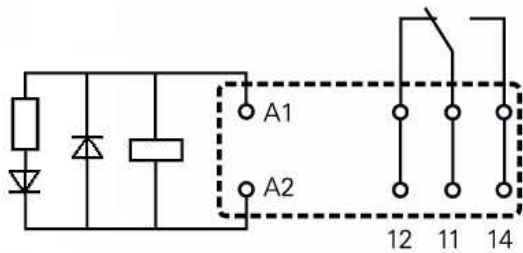
Drawings

Pinning

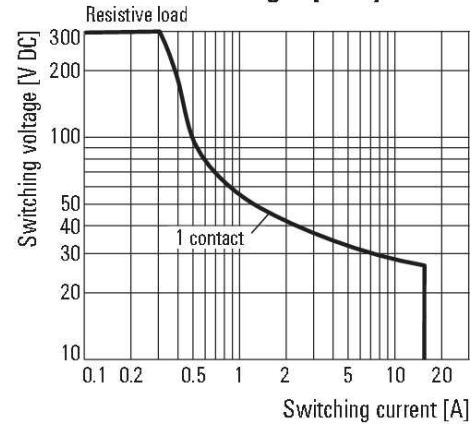
Circuit diagram

View on pins

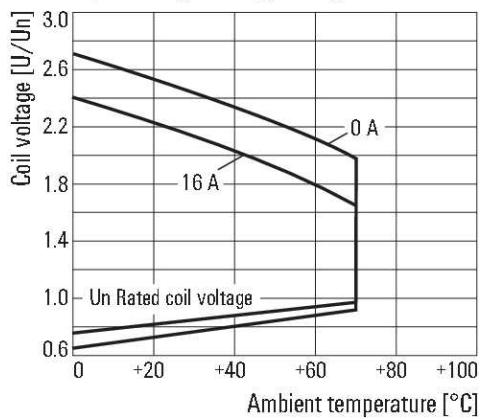
1 C/O changeover contacts



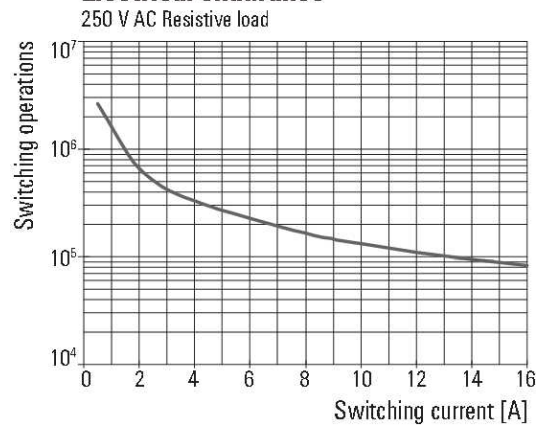
DC load breaking capacity



Operating voltage range DC



Electrical endurance



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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-I 4 24VUC VAR | RIDERSERIES, Accessories | 4032248606344 | 10 pc(s). |

Base



Relay base for the RIDERSERIES RCI relays

- 1 and 2 CO contacts
- Screw and PUSH IN connection
- Standard and low heights

General ordering data

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|-------------|--|----------------|-----------|
| 8869500000 | SRC-I 2CO P | RIDERSERIES, Accessories, | 40322486 14455 | 10 pc(s). |
| | | Continuous current: 16 A ⁽¹⁾ , 8 A, PUSH IN spring connection | | |
| 8869490000 | SRC-I 2CO | RIDERSERIES, Accessories, | 40322486 14448 | 10 pc(s). |
| | | Continuous current: 16 A ⁽¹⁾ , 8 A, Screw connection | | |
| 8869480000 | SRC-I 2CO N | RIDERSERIES, Accessories, | 40322486 14431 | 10 pc(s). |
| | | Continuous current: 16 A ⁽¹⁾ , 8 A, Screw connection | | |

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Accessories
LED / Freilaufdiode


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

- With either green or red LED
- With free-wheel diode
- For DC supply voltage

General ordering data

| Order No. | Type | Version | GTIN (EAN) | Qty. |
|----------------------------|---------------------|--------------------------|---------------|-----------|
| 8869590000 | RIM-I 2 6/24VDC | RIDERSERIES, Accessories | 4032248614530 | 10 pc(s). |
| 8869670000 | RIM-I 2 24/60VDC | RIDERSERIES, Accessories | 4032248614608 | 10 pc(s). |
| 8869680000 | RIM-I 2 24/60VDC GN | RIDERSERIES, Accessories | 4032248614615 | 10 pc(s). |
| 8869600000 | RIM-I 2 6/24VDC GN | RIDERSERIES, Accessories | 4032248614547 | 10 pc(s). |

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). |

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Accessories

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). |

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). |

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Drawings

| | | | | | |
|-----------------------------|--|--|--|--|--|
| Type code | RCI | | | | |
| Type | RIDER Control Industrial | | | | |
| Type of construction | 3 1-pole, 16 A 4 2-pole, 8 A | | | | |
| Type of contact | 1 1 CO contact without test button 2 2 CO contacts without test button 7 1 CO contact with test button 8 2 CO contacts with test button | | | | |
| Contact material | 4 AgNi 90/10 | | | | |
| Coil | 012 12 V DC 024 24 V DC 048 48 V DC 110 110 V DC 524 24 V AC 615 115 V AC 730 230 V AC AB2 12 V DC+LED+diode AC4 24 V DC+LED+diode AE8 48 V DC+LED+diode BB0 110 V DC+LED+diode R24 24 V AC+LED S15 115 V AC+LED T30 230 V AC+LED | | | | |