

RCI484AE8

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

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Product image



Similar to illustration

Individual relays within the RIDERSERIES RCI

- 2 CO contacts
- DC coils
- With integrated status LED, free-wheeling diode and test button

General ordering data

| | |
|---------------------|---|
| Version | RIDERSERIES RCI, Relay, Number of contacts: 2, CO contact AgNi, Rated control voltage: 48 V DC, Continuous current: 8 A, Plug-in connection, Test button available: Yes |
| Order No. | 8870330000 |
| Type | RCI484AE8 |
| GTIN (EAN) | 4032248613717 |
| Qty. | 10 Stück |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2024-10-31 |
| Alternative product | 7760056341 |

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Technische Daten

Dimensions and weights

| | | | |
|------------|---------|-----------------|------------|
| Depth | 26.7 mm | Depth (inches) | 1.051 inch |
| Height | 29 mm | Height (inches) | 1.142 inch |
| Width | 13 mm | Width (inches) | 0.512 inch |
| Net weight | 16.9 g | | |

Temperatures

| | | | |
|-----------------------------|--|-----------------------------|----------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | -40 °C...70 °C |
| Operating temperature, min. | -40 °C | Operating temperature, max. | 70 °C |
| Humidity | 40 °C / 93 % rel. humidity, no condensation | | |

Rated data UL

| | |
|-------------------------|---------|
| Certificate No. (cURus) | E522350 |
|-------------------------|---------|

Control side

| | | | |
|-----------------------|---------------|--------------------------------|---------------------|
| Rated control voltage | 48 V DC | Rated current DC | 9.5 mA |
| Power rating | 456 mW | Pull-in/drop-out voltage, typ. | 33.6 V / 4.8 V DC |
| Coil resistance | 5520 Ω ± 10 % | Coil tolerance | 10 % |
| Status indicator | Green LED | Protective circuit | Free-wheeling diode |

Load side

| | | | |
|---|--|---|---|
| Rated switching voltage | 240 V AC | Continuous current | 8 A |
| Max. switching frequency at rated load | 0.1 Hz | Inrush current | 15 A / 4 s |
| AC switching capacity (resistive), max. | 2000 VA | DC switching capacity (resistive), max. | 192 W @ 24 V |
| Switch-on delay | ≤ 10 ms | Switch-off delay | ≤ 6 ms |
| Contact type | 2 CO contact (AgNi) | Mechanical service life | AC coil 5 x 10 ⁶ switching cycles, DC coil 10 x 10 ⁶ switching cycles |
| Min. switching power | 1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V | | |

General data

| | | | |
|--------------------------------------|-----|------------------------|---|
| Test button available | Yes | Version of test button | lockable, just when removing the detend lock, Momentary test button |
| Mechanical switch position indicator | Yes | Colour | Transparent |
| UL 94 flammability rating | V-2 | | |

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 | ≥ 8 mm | Dielectric strength for control side - load side | 5 kV _{eff} / 1 min |
| Dielectric strength of neighbouring contacts | 2.5 kV _{eff} / 1 Min. | Dielectric strength of open contact | 1 kV _{eff} / 1 min |
| Impulse withstand voltage | 5 kV (1.2/50 μs) | | |

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Technische Daten

Further details of approvals / standards

| | | | |
|-------------------------|----------------|-----------------------|----------|
| Certificate No. (CSA) | 249409-2426937 | Certificate No. (VDE) | 10018043 |
| Certificate No. (cURus) | E522350 | | |

Connection data

| | | | |
|------------------------|--------------------|-----------------|------|
| Wire connection method | Plug-in connection | Pitch in mm (P) | 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 | ECLASS 12.0 | 27-37-16-01 |

Approvals

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E522350 |

Downloads

| | |
|---|--|
| Approval/Certificate/Document of Conformity | EU Konformitätserklärung / EU Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD, EPLAN |
| Product Change Notification | 20220511 Product consolidation RIDERSERIES RCI relays 20220511 Produktkonsolidierung RIDERSERIES RCI Relais |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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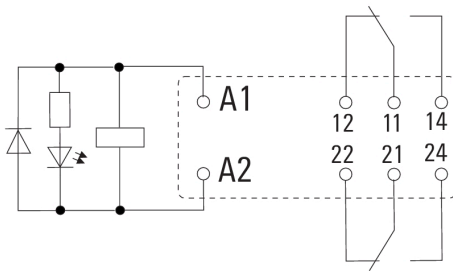
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Zeichnungen

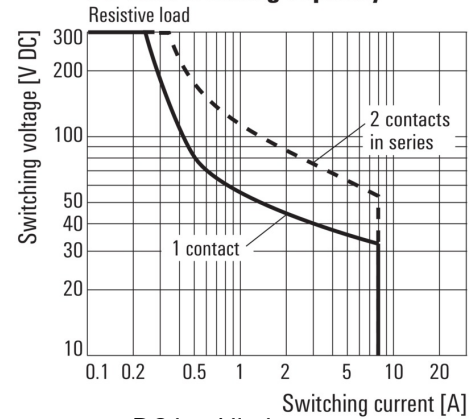
Wiring diagram



View of Pins from below

Graph

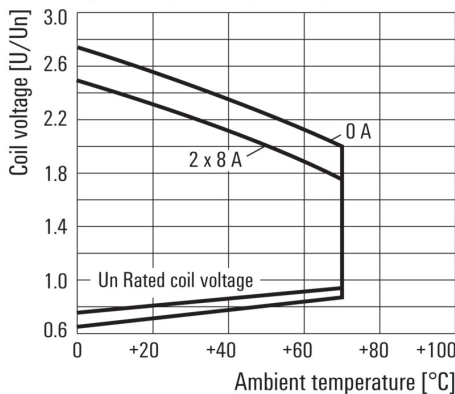
DC load breaking capacity



DC load limit curve
Resistive load

Graph

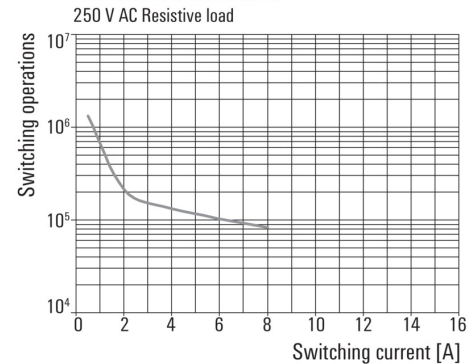
Operating voltage range DC



DC operational voltage range

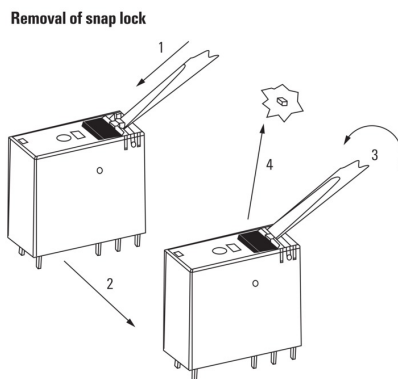
Graph

Electrical endurance



Electrical service life
250 V AC resistive load

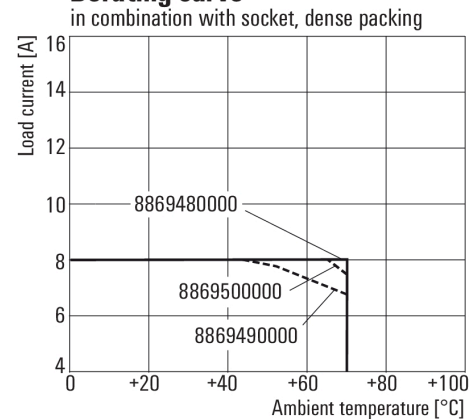
Dimensional drawing



Detailed drawing
Removal of the test button detent lock

Derating curve

Derating curve



Relay in combination with base

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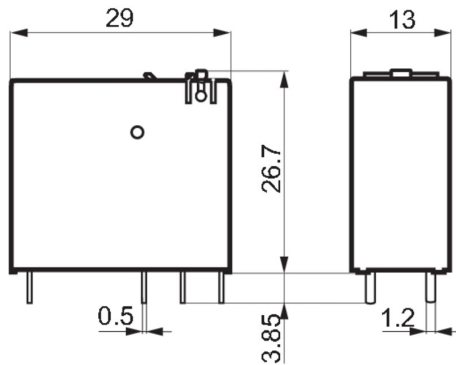
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Zeichnungen

Dimensional drawing



Miscellaneous

| | | RCI | | | | |
|-----------------------------|----------------------------|-----|--|--|--|----------------------------|
| Type | RIDER Control Industrial | | | | | |
| Type of construction | 3 16 A pinning 5 mm | | | | | |
| | 4 8 A, pinning 5mm | | | | | |
| Type of contact | 1 1 CO without push button | | | | | |
| | 2 2 CO without push button | | | | | |
| | 7 1 CO with push button | | | | | |
| | 8 2 CO with push button | | | | | |
| Contact material | 4 AgNi 90/10 | | | | | |
| | | | | | | Coil voltage |
| | | | | | | 012 12 V DC |
| | | | | | | 024 24 V DC |
| | | | | | | 048 48 V DC |
| | | | | | | 110 110 V DC |
| | | | | | | AB2 12 V DC + LED + diode |
| | | | | | | AC4 24 V DC + LED + diode |
| | | | | | | AE8 48 V DC + LED + diode |
| | | | | | | BB0 110 V DC + LED + diode |
| | | | | | | 524 24 V AC |
| | | | | | | 615 115 V AC |
| | | | | | | 730 230 V AC |
| | | | | | | R24 24 V AC + LED |
| | | | | | | S15 115 V AC + LED |
| | | | | | | T30 230 V AC + LED |

Type codes

Erstellungs-Datum June 1, 2023 12:19:32 PM CEST

Katalogstand 26.05.2023 / Technische Änderungen vorbehalten