

RCI484AE8**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com**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 pc(s). |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2024-10-31 |
| Alternative product | 7760056341 |

Creation date May 15, 2024 2:36:39 AM CEST

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Technical data

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 |
| 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 | Coil resistance | 5520 $\Omega \pm 10\%$ |
| 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 | Max. switching voltage, AC | 250 V |
| 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 5×10^6 switching cycles, DC coil 10×10^6 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 μ s) | | |

Further details of approvals / standards

| | | | |
|-------------------------|----------------|-----------------------|----------|
| Certificate No. (CSA) | 249409-2426937 | Certificate No. (VDE) | 40018043 |
| Certificate No. (cURus) | E522350 | | |

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Technical data

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 | ETIM 9.0 | 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 |

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

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 |
| Product Change Notification | 20220511 Product consolidation RIDERSERIES RCI relays 20220511 Produktkonsolidierung RIDERSERIES RCI Relais |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

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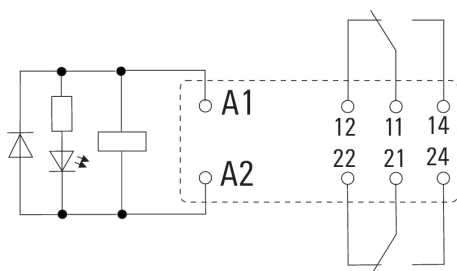
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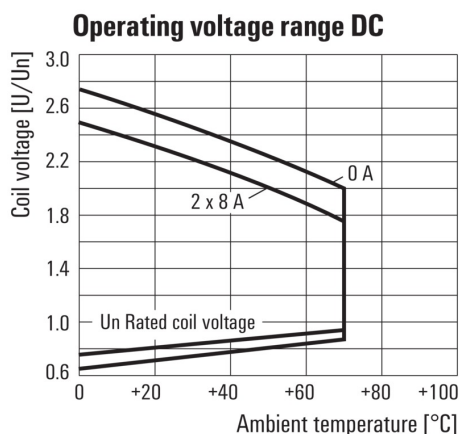
Drawings

Wiring diagram



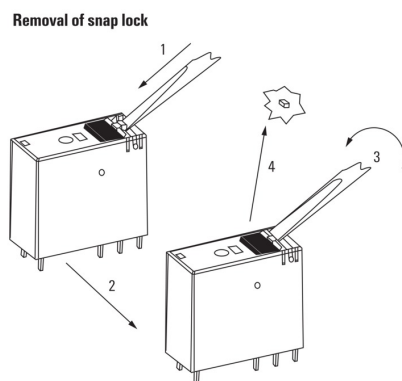
View of Pins from below

Graph

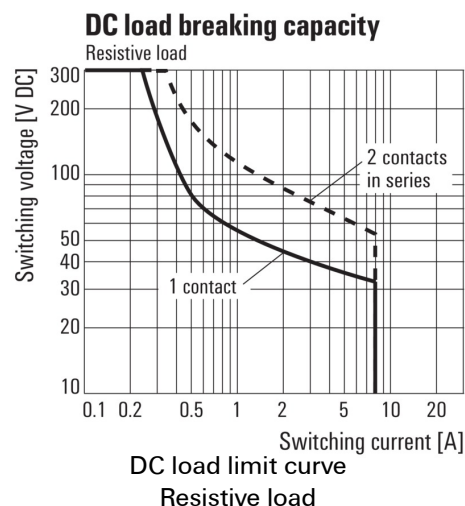


DC operational voltage range

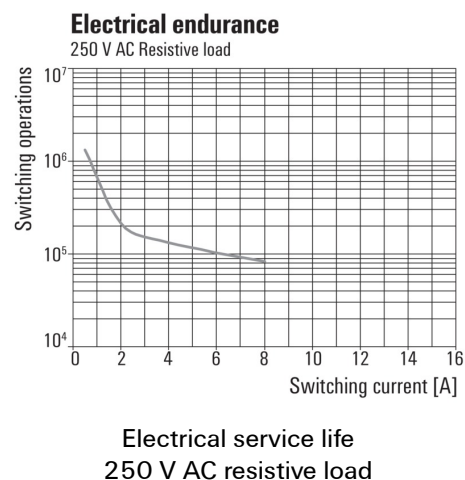
Dimensional drawing

Detailed drawing
Removal of the test button detent lock

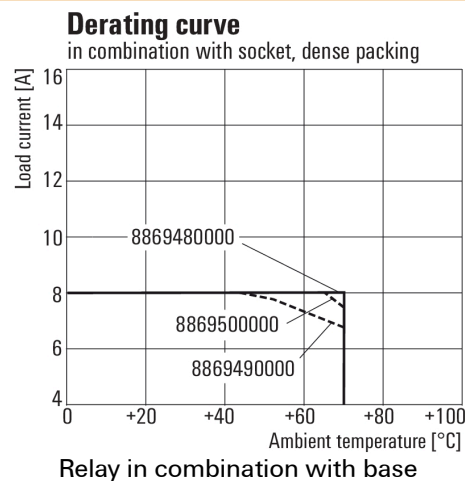
Graph



Graph



Derating curve

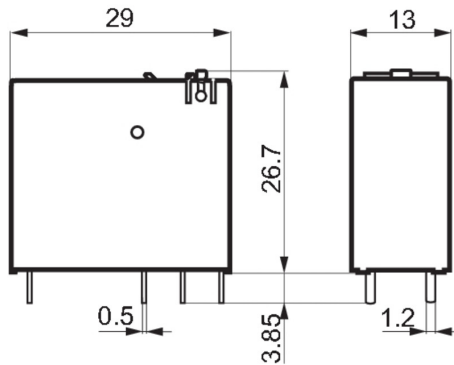


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Drawings
Dimensional drawing

Miscellaneous

| | | RCI | | | | | | |
|--------------------------|--|-----|--|--|--|--|--------------|------------------------|
| Type | | | | | | | Coil voltage | |
| RIDER Control Industrial | | | | | | | 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