

RCL424524

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Product image

Similar to illustration

General ordering data

| | |
|---------------------|--|
| Version | RIDERSERIES RCL, Relay, Number of contacts: 2, CO contact AgNi, Rated control voltage: 24 V AC, Continuous current: 8 A, Plug-in connection, Test button available: No |
| Order No. | 4058600000 |
| Type | RCL424524 |
| GTIN (EAN) | 4032248189335 |
| Qty. | 20 items |
| Delivery status | This article will no longer be available in the future. |
| Last order date | 2026-03-31T00:00:00+02:00 |
| Alternative product | CRI20524 |

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Technical data

Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate No. (cURus) E522350

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 15.7 mm | Depth (inches) | 0.6181 inch |
| Height | 29 mm | Height (inches) | 1.1417 inch |
| Width | 12.7 mm | Width (inches) | 0.5 inch |
| Net weight | 12.58 g | | |

Temperatures

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

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Rated data UL

Certificate No. (cURus) E522350

Control side

| | | | |
|-----------------------|---------|------------------|--------------|
| Rated control voltage | 24 V AC | Rated current AC | 31.6 mA |
| Power rating | 0.75 VA | Coil resistance | 350 Ω ± 10 % |
| Status indicator | No | | |

Load side

| | | | |
|---|---|---|--------------------------------------|
| Rated switching voltage | 250 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 | ≤ 8 ms | Switch-off delay | ≤ 6 ms |
| Contact type | 2 CO contact (AgNi) | Mechanical service life | 5 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 | No | Mechanical switch position indicator | No |
| 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 |

Creation date 01.07.2026 09:26:59 MEZ

Catalogue status / Drawings

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| | | | |
|--|-----------------------------------|-------------------------------------|-----------------|
| Creepage and clearance distance input → 10 mm output | Dielectric strength, Input/Output | 5 kVeff / 1min | |
| Dielectric strength of neighbouring contacts | 2.5 kVeff / 1 Min. | Dielectric strength of open contact | 1 kVeff / 1 min |
| Protection degree | IP20 | | |

Further details of approvals / standards

| | | | |
|-----------------------|--------------------|-------------------------|----------------|
| Standards | IEC 61810-1, UL508 | Certificate No. (CSA) | 249409-2426937 |
| Certificate No. (VDE) | 40020589 | Certificate No. (cURus) | E522350 |

Connection data

| | | | |
|------------------------|--------------------|-----------------|---------|
| Wire connection method | Plug-in connection | Pitch in mm (P) | 5.00 mm |
|------------------------|--------------------|-----------------|---------|

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC001437 | ETIM 9.0 | EC001437 |
| ETIM 10.0 | EC001437 | ECLASS 14.0 | 27-37-16-01 |
| ECLASS 15.0 | 27-37-16-01 | | |

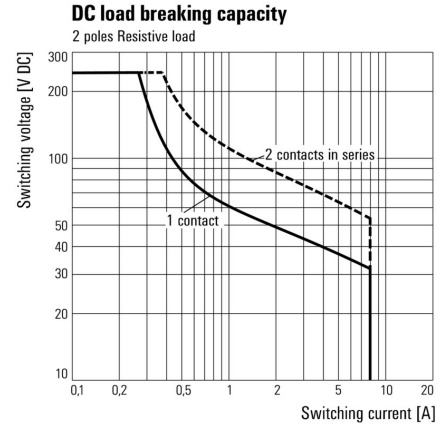
Drawings

Wiring diagram



View of Pins from below

Graph



DC load limit curve Resistive load

Graph



Electrical service life 250 V AC resistive load



Miscellaneous



Type codes

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Counterpart

Sockets



Relay sockets for the RIDERSERIES RCI relays

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

General ordering data

| | | |
|------------|----------------------------|---|
| Type | SRC-I 2CO | Version |
| Order No. | 8869490000 | RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 4032248614448 | Continuous current: 8 A, Screw connection |
| Qty. | 10 ST | |
| Type | SRC-I 2CO N | Version |
| Order No. | 8869480000 | RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 4032248614431 | Continuous current: 8 A, Screw connection |
| Qty. | 10 ST | |
| Type | SRC-I 2CO P | Version |
| Order No. | 8869500000 | RIDERSERIES RCI, Relay socket, Number of contacts: 2, CO contact, |
| GTIN (EAN) | 4032248614455 | Continuous current: 8 A, PUSH IN |
| Qty. | 10 ST | |