Data sheet

# RCL314012

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

www.weidmueller.com

## Product image



Similar to illustration

Individual relays for TERMSERIES
- Electromechanical relays
- Different contact materials

### General ordering data

| | |
|---|---|
| Version | TERMSERIES, Relay, Number of contacts: 1, CO contact AgNi, Rated control voltage: 12 V DC, Continuous current: 16 A, Plug-in connection, Test button available: No |
| Order No. | 8693240000 |
| Type | RCL314012 |
| GTIN (EAN) | 4032248364695 |
| Qty. | 20 items |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2026-03-31T00:00:00+02:00 |
| Alternative product | CRI10012 |



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# Data sheet

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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 | 14.4 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 | 12 V DC | Rated current DC | 33.3 mA |
| Power rating | 400 mW | Coil resistance | 360 Ω ± 10 % |
| Status indicator | No | | |

### Load side

| | | | |
|---|---|---|---|
| Rated switching voltage | 250 V AC | Continuous current | 16 A |
| Max. switching frequency at rated load | 0.1 Hz | Inrush current | 30 A / 4 s |
| AC switching capacity (resistive), max. | 4000 VA | DC switching capacity (resistive), max. | 384 W @ 24 V |
| Switch-on delay | ≤ 8 ms | Switch-off delay | ≤ 6 ms |
| Contact type | 1 CO contact (AgNi) | Mechanical service life | AC coil 10 x 106switching cycles, DC coil 30 x 106 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 |



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# Technical data

## Insulation coordination

| | | | |
|---|---|---|---|
| Rated voltage | 400 V | Pollution severity | 2 |
| Surge voltage category | III | Insulating material group | IIIa |
| Clearance and creepage distances for control side - load side | ≥ 10 mm | Dielectric strength for control side - load side | 1.2 kVeff / 5 s |
| Dielectric strength of open contact | 1 kVeff / 1 min | Protection degree | IP20 |

## Further details of approvals / standards

| | | | |
|---|---|---|---|
| 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 | | |



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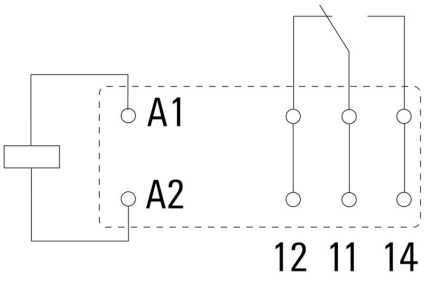
Weidmüller

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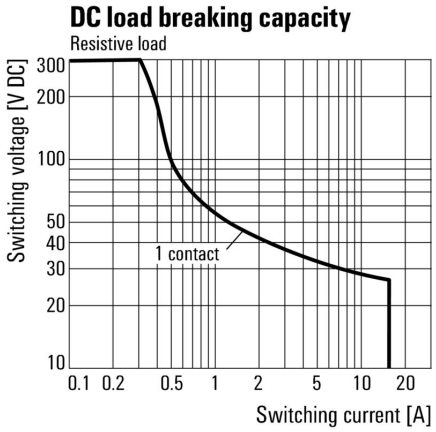
# Drawings

## Wiring diagram



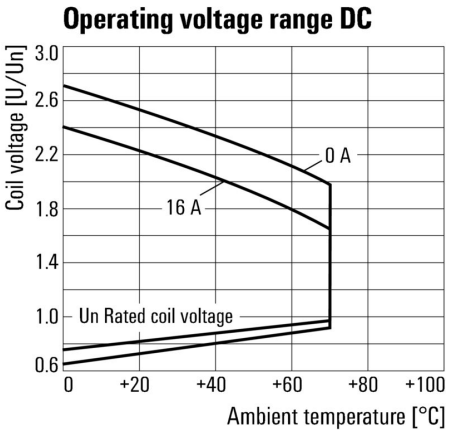

View of Pins from below

## Graph



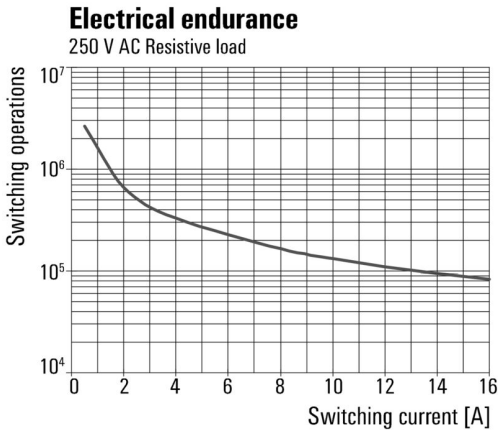

DC load limit curve Resistive load

## Graph



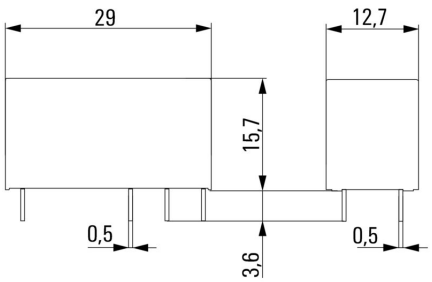

DC operational voltage range

## Graph




Electrical service life

## Dimensional drawing





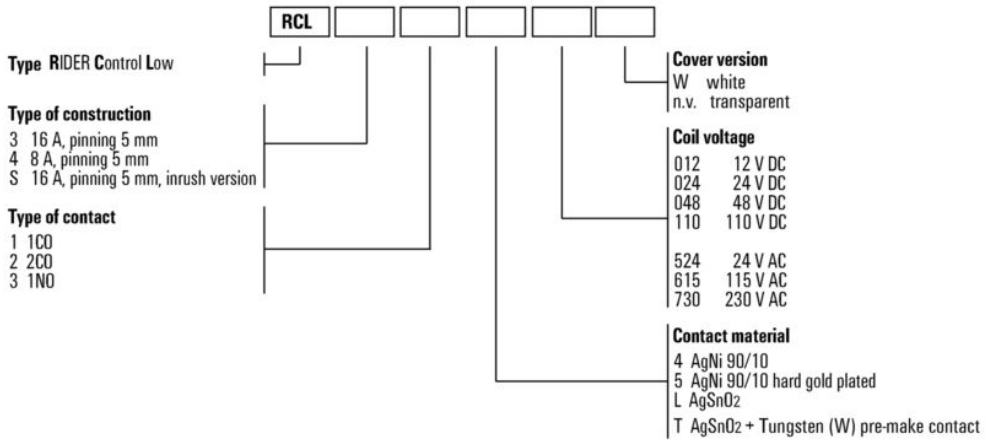

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## Drawings

### Miscellaneous




Type codes



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