

**RCL424615****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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: 115 V AC, Continuous current: 8 A, Plug-in connection, Test button available: No |
| Order No.           | <a href="#">4058610000</a>                                                                                                                                              |
| Type                | RCL424615                                                                                                                                                               |
| GTIN (EAN)          | 4032248191178                                                                                                                                                           |
| 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 | <a href="#">CRI20615</a>                                                                                                                                                |

## RCL424615

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www.weidmueller.com

## 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 g    |                 |             |

## Temperatures

|                       |                |                     |                                                |
|-----------------------|----------------|---------------------|------------------------------------------------|
| Storage temperature   | -40 °C...85 °C | Ambient temperature | -40 °C...70 °C                                 |
| Operating temperature |                | Humidity            | 40 °C / 93 % rel. humidity,<br>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 | 115 V AC | Rated current AC | 6.6 mA        |
| Power rating          | 0.75 VA  | Coil resistance  | 8100 Ω ± 15 % |
| 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 <sup>6</sup> 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 |

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**Technical data**

|                                                        |                    |                                     |                 |
|--------------------------------------------------------|--------------------|-------------------------------------|-----------------|
| 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**

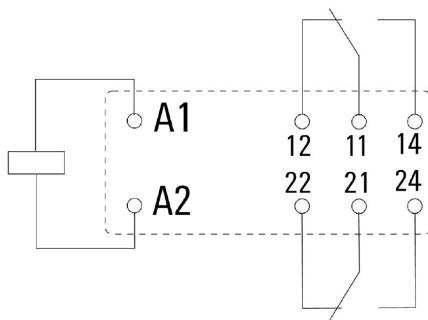
|                        |                    |                 |         |
|------------------------|--------------------|-----------------|---------|
| Wire connection method | Plug-in connection | Pitch in mm (P) | 5.00 mm |
|------------------------|--------------------|-----------------|---------|

**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 |             |             |

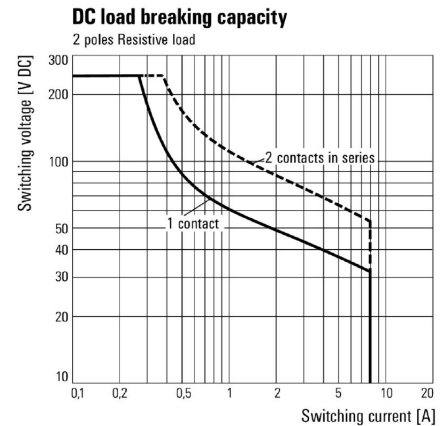
## Drawings

### Wiring diagram



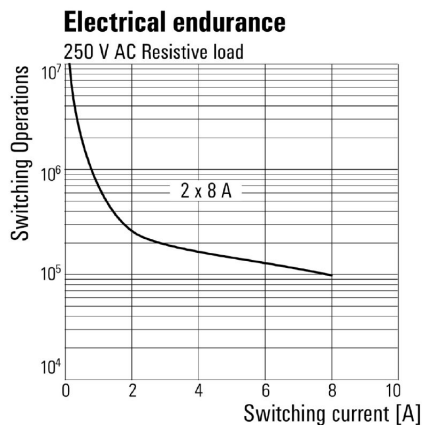
View of Pins from below

### Graph

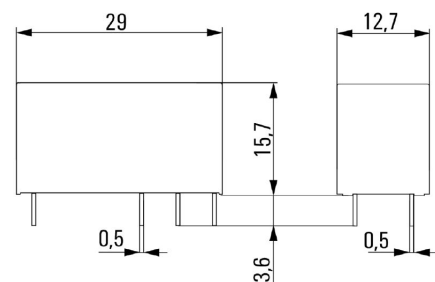


DC load limit curve Resistive load

### Graph

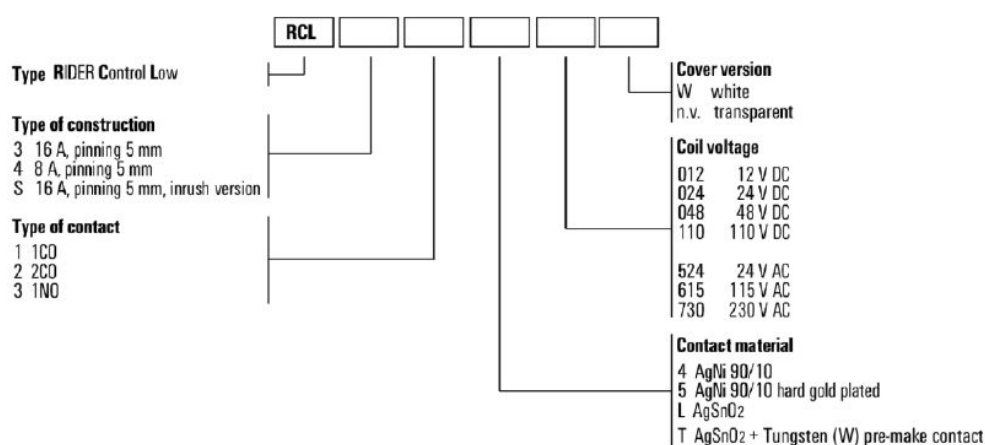


Electrical service life 250 V AC resistive load



## Drawings

## Miscellaneous



Type codes