

**RCL314012W****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.  | <a href="#">1984030000</a>   |
| Type       | RCL314012W   |
| GTIN (EAN) | 4050118369373  |
| Qty.       | 20 pc(s).  |

## RCL314012W

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

|            |         |                 |            |
|------------|---------|-----------------|------------|
| Depth      | 15.7 mm | Depth (inches)  | 0.618 inch |
| Height     | 29 mm   | Height (inches) | 1.142 inch |
| Width      | 12.7 mm | Width (inches)  | 0.5 inch   |
| Net weight | 14 g    |                 |            |

## Temperatures

|                     |                |                       |                |
|---------------------|----------------|-----------------------|----------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | -40 °C...70 °C |
|---------------------|----------------|-----------------------|----------------|

## Rated data UL

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E302101 |
|-------------------------|---------|

## Control side

|                       |         |                  |              |
|-----------------------|---------|------------------|--------------|
| Rated control voltage | 12 V DC | Rated current DC | 35.8 mA      |
| Power rating          | 420 mW  | Coil resistance  | 360 Ω ± 10 % |
| Coil tolerance        | 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                        | ≤ 4 ms                                  |
| Contact type                            | 1 CO contact (AgNi) | 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                | white |                                      |    |

## Insulation coordination

|  |                             |   |                             |
|--|-----------------------------|---|-----------------------------|
| Rated voltage                                    | 400 V                       | Pollution severity  | 3                           |
| Surge voltage category                           | III                         | Clearance and creepage distances for control side - load side | ≥ 10 mm                     |
| Dielectric strength for control side - load side | 1.2 kV <sub>eff</sub> / 5 s | Dielectric strength of open contact                           | 1 kV <sub>eff</sub> / 1 min |
| Protection degree                                | IP20                        |   |                             |

## Further details of approvals / standards

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E302101 |
|-------------------------|---------|

## Connection data

|                        |                    |                 |      |
|------------------------|--------------------|-----------------|------|
| Wire connection method | Plug-in connection | Pitch in mm (P) | 5 mm |
|------------------------|--------------------|-----------------|------|

## RCL314012W

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)

## Technical data

## 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 |

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E302101    |

## Downloads

|                    |   |
|--------------------|---|
| Engineering Data   | <a href="#">CAD data – STEP</a>                 |
| User Documentation | <a href="#">FL_TERMSERIES_RCL1CO_LOAD_GUIDE</a> |
| Catalogues         | <a href="#">Catalogues in PDF-format</a>        |

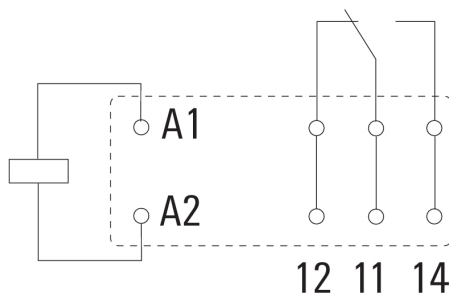
## RCL314012W

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

[www.weidmueller.com](http://www.weidmueller.com)

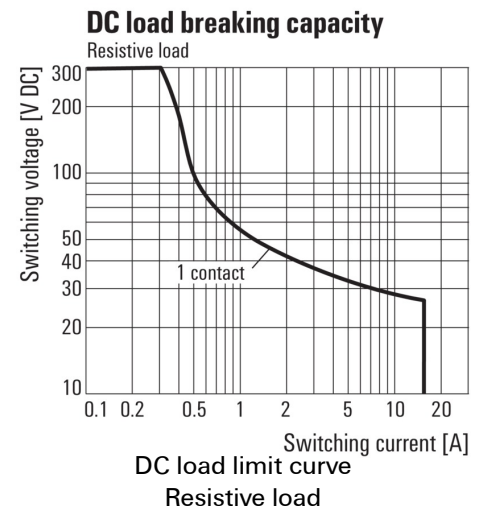
## Drawings

### Wiring diagram

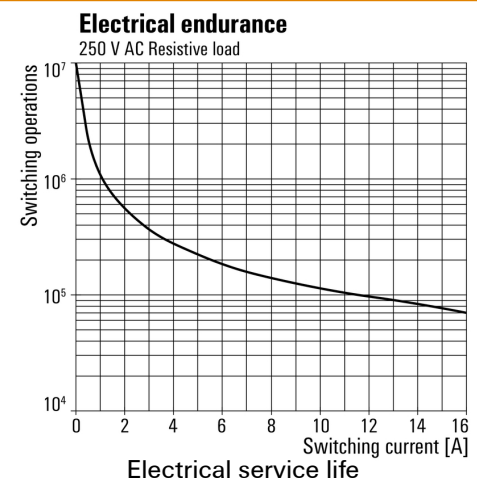


View of Pins from below

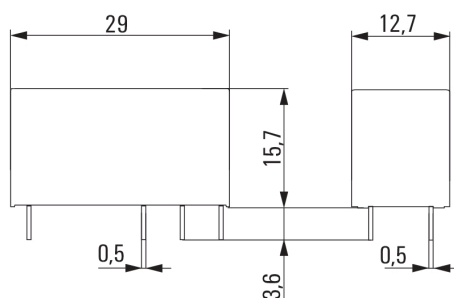
### Graph



### Graph



### Dimensional drawing

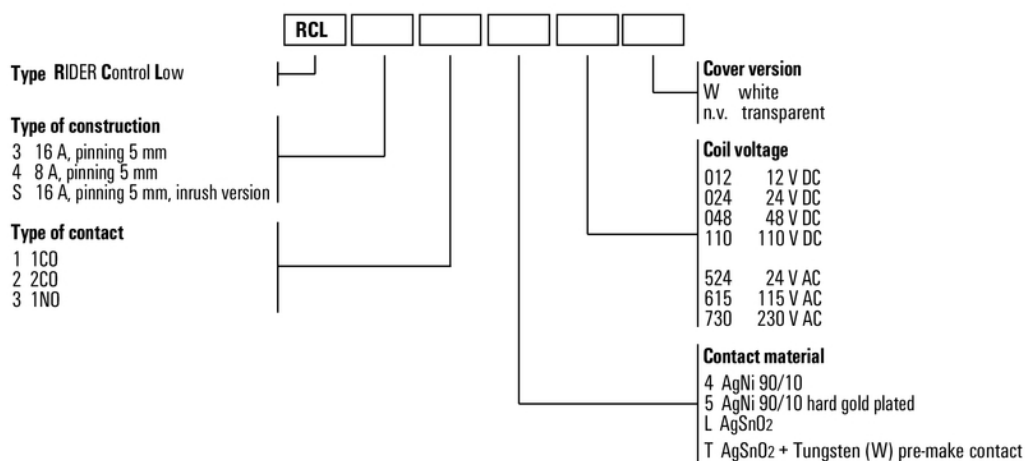


**RCL314012W****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://www.weidmueller.com)**Drawings****Miscellaneous**

Type codes