

**RCL314024****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

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: 24 V DC, Continuous current: 16 A, Plug-in connection, Test button available: No |
| Order No.  | <a href="#">8693260000</a>                                                                                                                                         |
| Type       | RCL314024                                                                                                                                                          |
| GTIN (EAN) | 4032248364718                                                                                                                                                      |
| Qty.       | 20 pc(s).                                                                                                                                                          |

Creation date September 14, 2022 5:51:21 PM CEST

Catalogue status 09.09.2022 / We reserve the right to make technical changes.

RCL314024

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 | 13.62 g |                 |            |

### Temperatures

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

### Environmental Product Compliance

|            |                                        |      |                                      |
|------------|----------------------------------------|------|--------------------------------------|
| REACH SVHC | 4,4'-isopropylidenediphenol<br>80-05-7 | SCIP | ba21cda2-7456-4814-96b7-d4f8c0216848 |
|------------|----------------------------------------|------|--------------------------------------|

### Rated data UL

|                         |         |
|-------------------------|---------|
| Certificate No. (cURus) | E224238 |
|-------------------------|---------|

### Control side

|                       |                        |                                |                   |
|-----------------------|------------------------|--------------------------------|-------------------|
| Rated control voltage | 24 V DC                | Rated current DC               | 16.7 mA           |
| Power rating          | 400 mW                 | Pull-in/drop-out voltage, typ. | 16.8 V / 2.4 V DC |
| Coil resistance       | 1440 $\Omega \pm 10\%$ | Coil tolerance                 | 10 %              |

### 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                         | $\leq 8$ ms                             | Switch-off delay                        | $\leq 6$ ms                                                                          |
| Contact type                            | 1 CO contact (AgNi)                     | Mechanical service life                 | AC coil $10 \times 10^6$ switching cycles, DC coil $30 \times 10^6$ 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                                                 | 400 V                       | Pollution severity                               | 2                           |
| Surge voltage category                                        | III                         | Insulating material group                        | IIIa                        |
| Clearance and creepage distances for control side - load side | $\geq 10$ 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                        |

**RCL314024****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

**Technical data****Further details of approvals / standards**

|                       |                    |                         |                |
|-----------------------|--------------------|-------------------------|----------------|
| Standards             | IEC 61810-1, UL508 | Certificate No. (CSA)   | 249409-2426937 |
| Certificate No. (VDE) | 40020589           | Certificate No. (cURus) | E224238        |

**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    | 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 |

**Approvals**

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E224238    |

**Downloads**

|                  |                                          |
|------------------|------------------------------------------|
| Engineering Data | <a href="#">CAD data – STEP</a>          |
| Engineering Data | <a href="#">EPLAN, WSCAD</a>             |
| Catalogues       | <a href="#">Catalogues in PDF-format</a> |

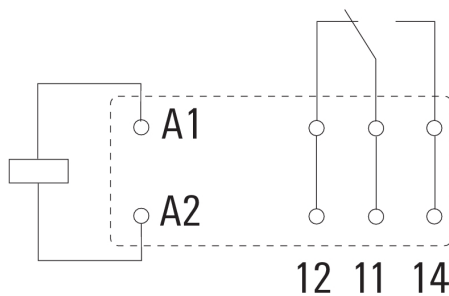
**RCL314024**

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

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

## Drawings

### Wiring diagram

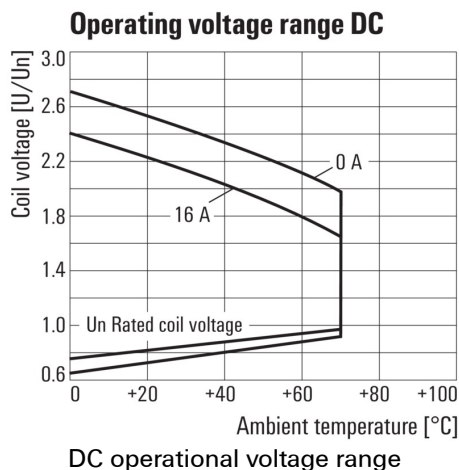


View of Pins from below

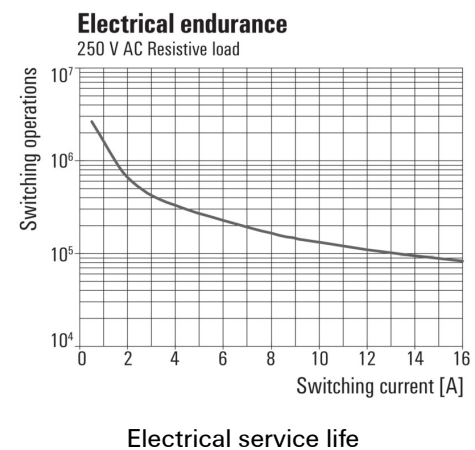
### Graph



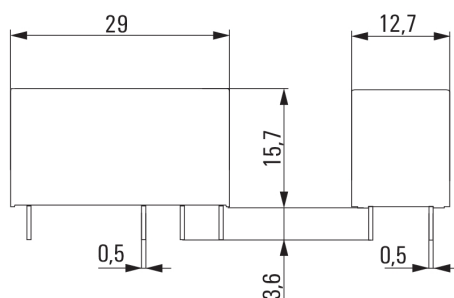
### Graph



### Graph



### Dimensional drawing

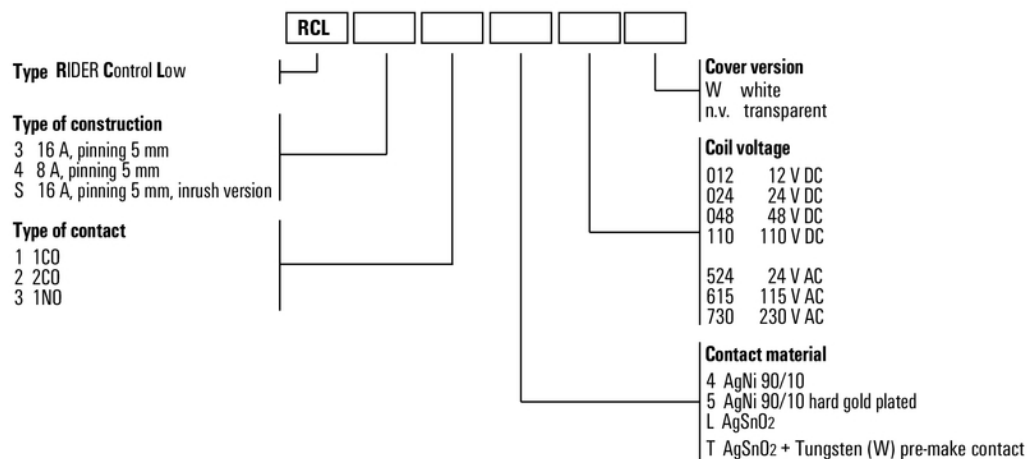


**RCL314024****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

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

Type codes