

**RCL424512****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: 12 V AC, Continuous current: 8 A, Plug-in connection, Test button available: No |
| Order No.  | <a href="#">8693420000</a>                                                                                                                                             |
| Type       | RCL424512                                                                                                                                                              |
| GTIN (EAN) | 4032248364862                                                                                                                                                          |
| Qty.       | 20 pc(s).                                                                                                                                                              |

Creation date October 30, 2021 5:02:54 AM CEST

Catalogue status 22.10.2021 / We reserve the right to make technical changes.

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**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 | 14.8 g  |                 |            |

**Temperatures**

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

**Rated data UL**

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

**Control side**

|                       |         |              |         |
|-----------------------|---------|--------------|---------|
| Rated control voltage | 12 V AC | Power rating | 0.75 VA |
|-----------------------|---------|--------------|---------|

**Load side**

|                                         |                                      |                                         |                                         |
|-----------------------------------------|--------------------------------------|-----------------------------------------|-----------------------------------------|
| Rated switching voltage                 | 250 V AC                             | Continuous current                      | 8 A                                     |
| Max. switching frequency at rated load  | 0.1 Hz                               | Min. switching power                    | 1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V |
| 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 |                                         |                                         |

**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                        |
| Creepage and clearance distance input – output | ≥ 10 mm                        | Dielectric strength, Input/Output   | 5 kV <sub>eff</sub> / 1 min |
| Dielectric strength of neighbouring contacts   | 2.5 kV <sub>eff</sub> / 1 Min. | Dielectric strength of open contact | 1 kV <sub>eff</sub> / 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) | E224238        |

**Connection data**

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

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

**Approvals**

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E224238 |

**Downloads**

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

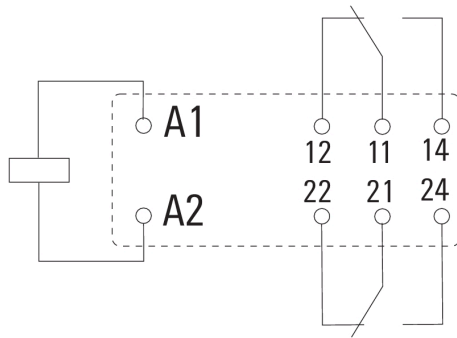
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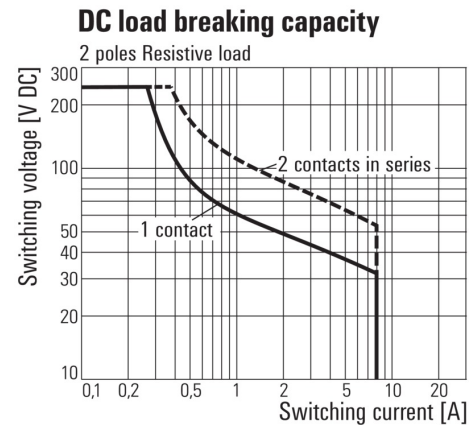
## Drawings

### Wiring diagram



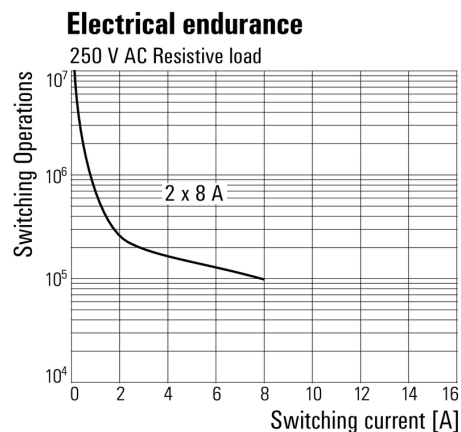
View of Pins from below

### Graph

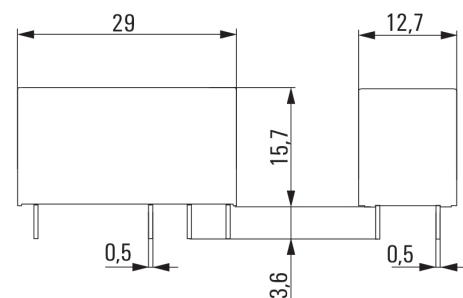


DC load limit curve  
Resistive load

### Graph



Electrical service life  
250 V AC resistive load

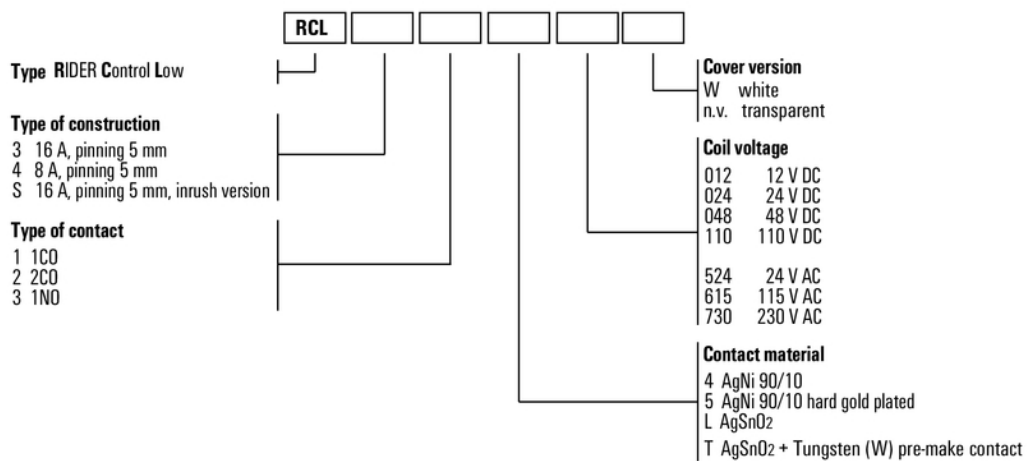


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Type codes