



## RCL424110T

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

www.weidmueller.com

## Technical data

## Approvals

Approvals



ROHS Conform  
UL File Number Search [UL Website](#)  
Certificate No. (cURus) E302101

## 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 | 13.3 g  |                 |             |

## Temperatures

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

## Environmental Product Compliance

RoHS Compliance Status Compliant without exemption  
REACH SVHC No SVHC above 0.1 wt%

## Rated data UL

Certificate No. (cURus) E302101

## Control side

|                       |                |                  |        |
|-----------------------|----------------|------------------|--------|
| Rated control voltage | 110 V DC       | Power rating     | 480 mW |
| Coil resistance       | 25200 Ω ± 10 % | 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                 | 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 |                                      |    |

## Insulation coordination

|                        |       |   |        |
|------------------------|-------|---|--------|
| Rated voltage          | 400 V | Pollution severity                              | 3      |
| Surge voltage category | III   | Creepage and clearance distance input - ≥ 10 mm | output |

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**Technical data**

|                                     |                             |  |                    |
|-------------------------------------|-----------------------------|--|--------------------|
| 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             | Impulse withstand voltage                    | 4 kV (1.2/50 µs)   |
| Protection degree                   | IP40 (in plugged condition) |  |                    |

**Further details of approvals / standards**

|           |             |                         |         |
|-----------|-------------|-------------------------|---------|
| Standards | IEC 61810-1 | Certificate No. (cURus) | E302101 |
|-----------|-------------|-------------------------|---------|

**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 |             |             |

Wiring diagram



View of Pins from below

