

RCL314110W

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: 110 V DC, Continuous current: 16 A, Plug-in connection, Test button available: No |
| Order No. | 1984070000 |
| Type | RCL314110W |
| GTIN (EAN) | 4050118369267 |
| Qty. | 20 items |

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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 | 14 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 | Rated current DC | 4 mA |
| Power rating | 420 mW | Coil resistance | 25200 Ω ± 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 |

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Dielectric strength for control side - load 5 kVeff / 1min
side

Dielectric strength of open contact 1 kVeff / 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) 5.00 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



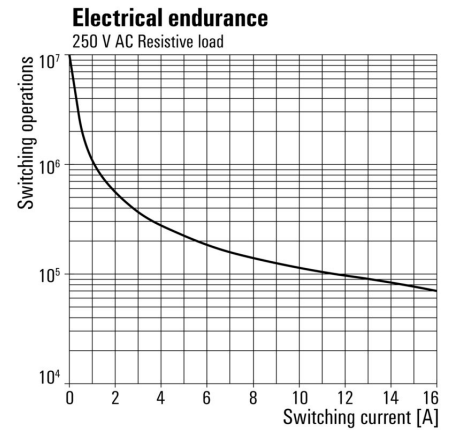
View of Pins from below

Graph



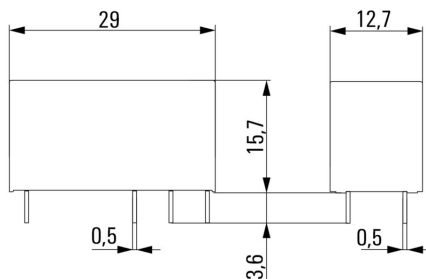
DC load limit curve Resistive load

Graph

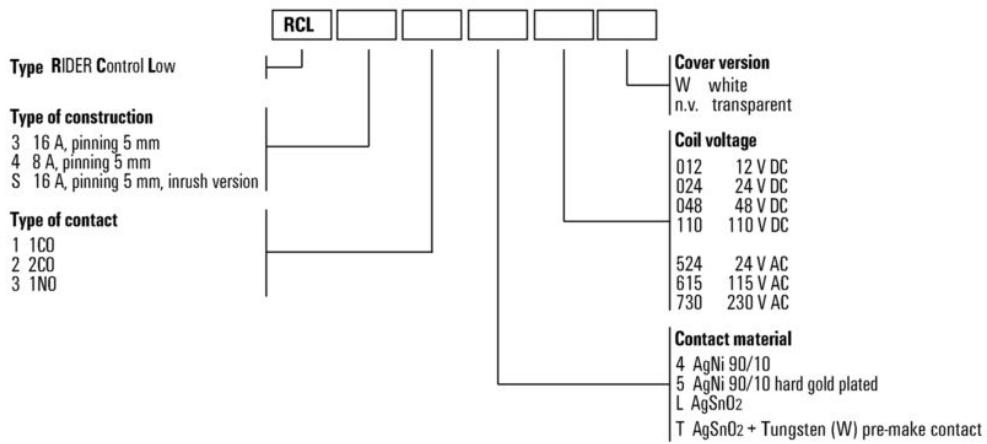


Electrical service life

Dimensional drawing



Miscellaneous



Type codes