

RCL314110W

Weidmüller Interfaces GmbH & Co. KG

Postfach 3030

32760 Detmold

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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 pc(s). |

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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 g | | |

Temperatures

| | | | |
|-----------------------------|----------------|-----------------------------|----------------|
| Storage temperature | -40 °C...85 °C | Operating temperature | -40 °C...70 °C |
| Operating temperature, min. | -40 °C | Operating temperature, max. | 70 °C |

Rated data UL

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

Control side

| | | | |
|-----------------------|----------------|--------------------------------|----------------|
| Rated control voltage | 110 V DC | Rated current DC | 4 mA |
| Power rating | 420 mW | Pull-in/drop-out voltage, typ. | 77 V / 11 V DC |
| Coil resistance | 25200 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 | 5 kV _{eff} / 1 min | Dielectric strength of open contact | 1 kV _{eff} / 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 |
|------------------------|--------------------|-----------------|------|

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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 | ECLASS 12.0 | 27-37-16-01 |

Environmental Product Compliance

REACH SVHC Lead 7439-92-1

Approvals

Approvals



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

Downloads

| | |
|------------------|--|
| Engineering Data | CAD data – STEP |
| Engineering Data | WSCAD |
| Catalogues | Catalogues in PDF-format |

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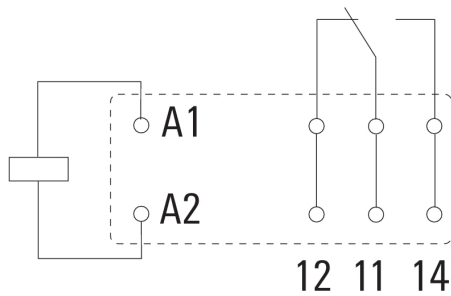
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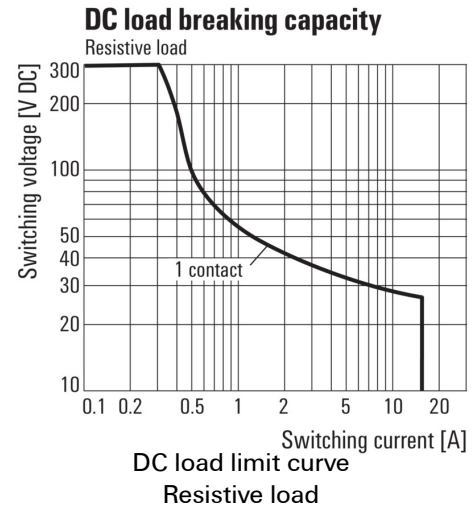
Drawings

Wiring diagram

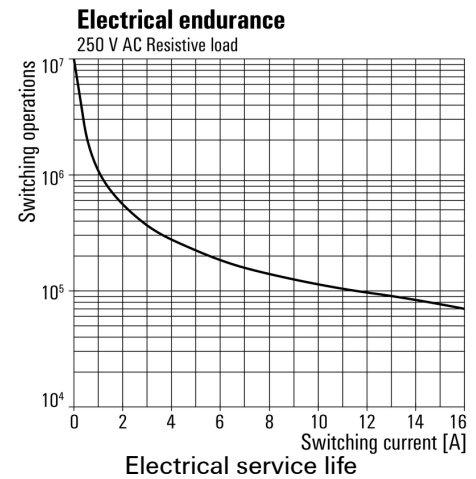


View of Pins from below

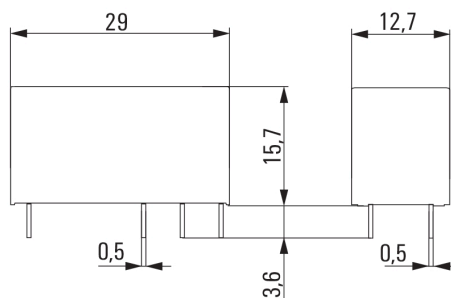
Graph



Graph



Dimensional drawing



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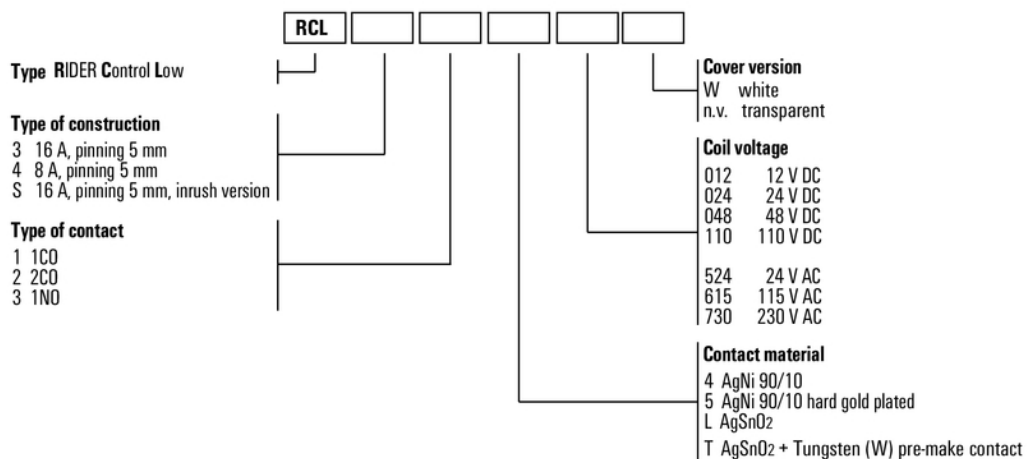
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Drawings

Miscellaneous



Type codes