

TERMSERIES
RCL425110

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 16
 D-32758 Detmold
 Germany
 Fon: +49 5231 14-0
 Fax: +49 5231 14-292083
 www.weidmueller.com

Product image


Similar to illustration

TERMSERIES accessories include:

- Spare relay
- Base
- Partition plates
- Cross-connections
- Power-feed modules

General ordering data

| | |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Type | RCL425110 |
| Order No. | 8828370000 |
| Version | TERMSERIES, Relay, No. of contacts: 2 CO contact AgNi 5µm Au, Rated control voltage: 110 V DC, Continuous current: 8 A, Plug-in connection |
| GTIN (EAN) | 4032248531530 |
| Qty. | 20 pc(s). |

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Technical data**Dimensions and weights**

| | | | |
|------------|---------|-----------------|------------|
| Width | 12.7 mm | Width (inches) | 0.5 inch |
| Height | 29 mm | Height (inches) | 1.142 inch |
| Depth | 15.7 mm | Depth (inches) | 0.618 inch |
| Net weight | 14.7 g | | |

Temperatures

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

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

Rated data UL

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

Input

| | | | |
|-----------------------|----------------|--------------------------------|----------------|
| Rated control voltage | 110 V DC | Rated current DC | 4.1 mA |
| Power rating | 420 mW | Pull-in/drop-out voltage, typ. | 77 V / 11 V DC |
| Coil resistance | 28800 Ω ± 12 % | | |

Output

| | | | |
|----------------------------------------|------------|----------------------|------------|
| Rated switching voltage | 250 V AC | Continuous current | 8 A |
| Inrush current | 15 A / 4 s | Switch-on delay | ≤ 8 ms |
| Switch-off delay | ≤ 6 ms | Min. switching power | 1 mA @ 1 V |
| Max. switching frequency at rated load | 0.1 Hz | | |

Contact data

| | | | |
|--------------|-------------------------------|-------------------------|---------------------------------------|
| Contact type | 2 CO contact (AgNi 5µm Au) | Mechanical service life | 30 x 10 ⁶ switching cycles |
|--------------|-------------------------------|-------------------------|---------------------------------------|

General data

| | | | |
|-------------|-------------|--------------------------------------|-----|
| Test button | No | Mechanical switch position indicator | No |
| Colour | Transparent | UL 94 flammability rating | V-2 |

Insulation coordination

| | | | |
|---------------------------------------------------|-----------------------------|-------------------------------------------------|--------------------------------|
| Rated voltage | 250 V | Surge voltage category | III |
| Pollution severity | 2 | Insulating material group | IIIa |
| Protection degree | IP20 | Dielectric strength, Input/Output | 5 kV _{eff} / 1 min |
| Creepage and clearance distance input – output | ≥ 10 mm | Dielectric strength of neighbouring contacts | 2.5 kV _{eff} / 1 Min. |
| Dielectric strength of open contact | 1 kV _{eff} / 1 min | | |

Data sheet

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Technical data

Further details of approvals / standards

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

Connection data

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

Classifications

| | | | |
|------------|-------------|------------|-------------|
| ETIM 3.0 | EC001437 | ETIM 4.0 | EC001437 |
| ETIM 5.0 | EC001437 | ETIM 6.0 | EC001437 |
| UNSPSC | 30-21-19-17 | eClass 5.1 | 27-37-16-01 |
| eClass 6.2 | 27-37-16-01 | eClass 7.1 | 27-37-16-01 |
| eClass 8.1 | 27-37-16-01 | eClass 9.0 | 27-37-16-01 |
| eClass 9.1 | 27-37-16-01 | | |

Approvals

Approvals



ROHS Conform

Downloads

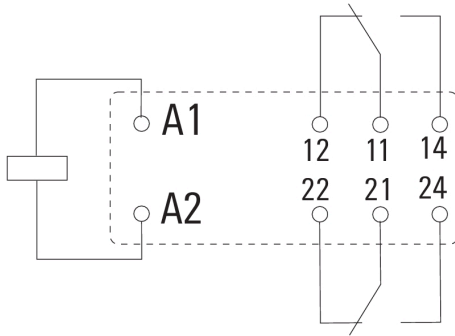
| | |
|--------------------|-----------------------------------------|
| Brochure/Catalogue | CAT 4.2 ELECTR 18/19 EN |
| Engineering Data | EPLAN.WSCAD |
| Engineering Data | STEP |

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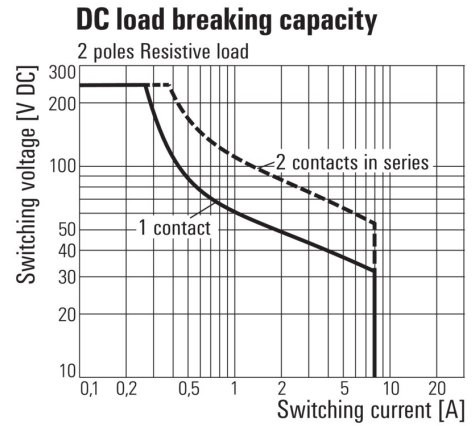
Drawings

Wiring diagram



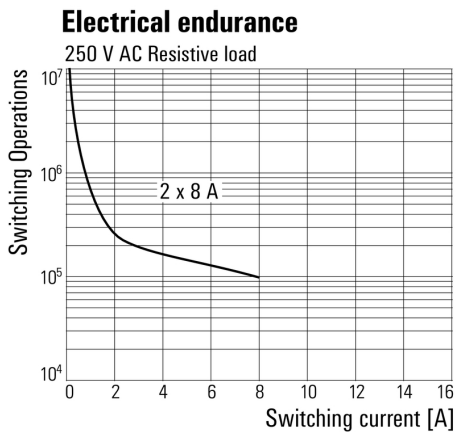
View of Pins from below

Graph

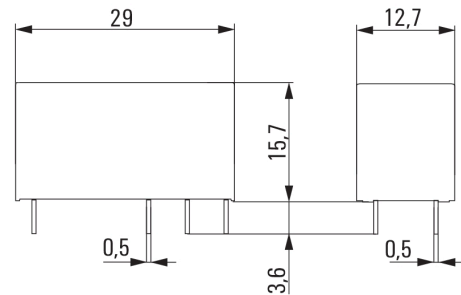


DC load limit curve
Resistive load

Graph



Electrical service life
250 V AC resistive load

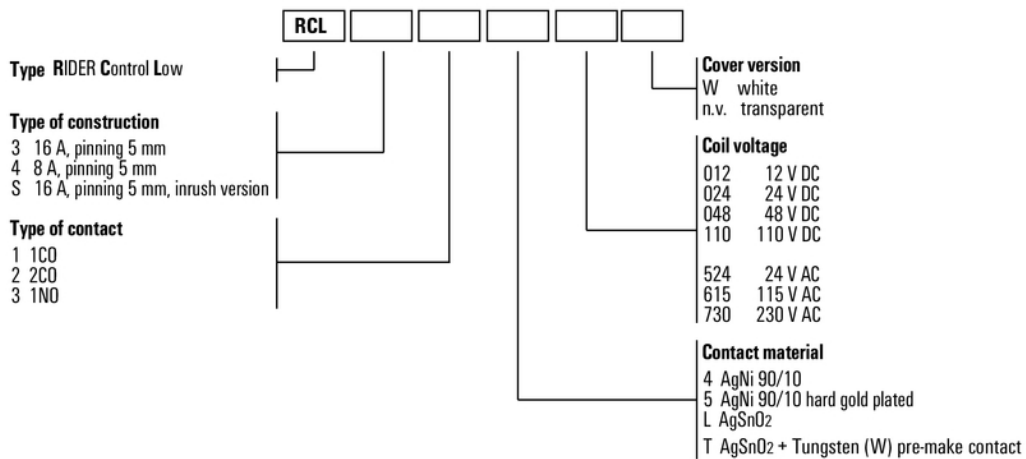


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Drawings

Miscellaneous



Type codes