

**TERMSERIES
RCL424110**

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany
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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 | RCL424110 |
| Order No. | 4058590000 |
| Version | TERMSERIES, Relay, Number of contacts: 2 CO contact AgNi 90/10, Rated control voltage: 110 V DC, Continuous current: 8 A, Plug-in connection |
| GTIN (EAN) | 4032248189311 |
| Qty. | 20 pc(s). |

Creation date May 1, 2020 3:22:03 PM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

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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 | 17 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 | | |

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 | Max. switching voltage, AC | 400 V |
| Continuous current | 8 A | 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 |
| Min. switching power | 1 mA @ 24 V, 10 mA @ 12 V, 100 mA @ 5 V | Max. switching frequency at rated load | 0.1 Hz |

Contact data

| | | | |
|--------------|---------------------------|-------------------------|---------------------------------------|
| Contact type | 2 CO contact (AgNi 90/10) | 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 | | |

Further details of approvals / standards

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

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Data sheet

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Technical data

Connection data

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

Classifications

| | | | |
|-------------|-------------|------------|-------------|
| ETIM 6.0 | EC001437 | ETIM 7.0 | EC001437 |
| eClass 9.0 | 27-37-16-01 | eClass 9.1 | 27-37-16-01 |
| eClass 10.0 | 27-37-16-01 | UNSPSC | 30-21-19-17 |

Approvals

Approvals



ROHS Conform

Downloads

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

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Drawings

Wiring diagram



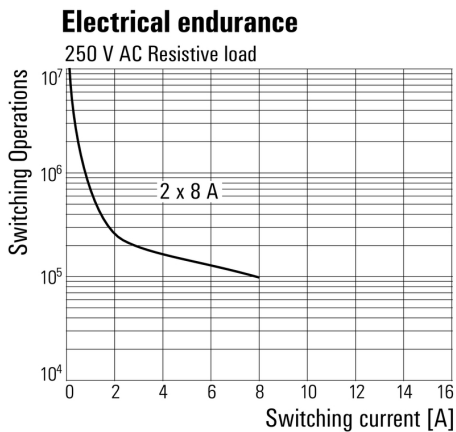
View of Pins from below

Graph



DC load limit curve
Resistive load

Graph



Electrical service life
250 V AC resistive load



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Mating connector (fully pluggable)

PUSH IN connection



TERMSERIES accessories include:

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

General ordering data

| | | |
|------------|----------------------------|---|
| Type | TRP 120VUC 2CO EMPTY | Version |
| Order No. | 2681010000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 120 V UC $\pm 10\%$, Continuous current: 10 A, PUSH IN with actuator |
| GTIN (EAN) | 4050118695410 | |
| Qty. | 10 pc(s). | |
| Type | TRP 230VAC RC 2CO EMPTY | Version |
| Order No. | 2681190000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 230 V AC $\pm 10\%$, Continuous current: 10 A, PUSH IN with actuator |
| GTIN (EAN) | 4050118695441 | |
| Qty. | 10 pc(s). | |
| Type | TRP 120VAC RC 2CO EMPTY | Version |
| Order No. | 2681030000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 120 V AC $\pm 10\%$, Continuous current: 10 A, PUSH IN with actuator |
| GTIN (EAN) | 4050118695434 | |
| Qty. | 10 pc(s). | |
| Type | TRP 230VUC 2CO EMPTY | Version |
| Order No. | 2681020000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 230 V UC $\pm 10\%$, Continuous current: 10 A, PUSH IN with actuator |
| GTIN (EAN) | 4050118695427 | |
| Qty. | 10 pc(s). | |

Screw connection



TERMSERIES accessories include:

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

General ordering data

| | | |
|------------|----------------------------|--|
| Type | TRS 120VAC RC 2CO EMPTY | Version |
| Order No. | 1124040000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 120 V AC $\pm 10\%$, Continuous current: 10 A, Screw connection |
| GTIN (EAN) | 4032248906178 | |
| Qty. | 10 pc(s). | |
| Type | TRS 230VUC 2CO EMPTY | Version |
| Order No. | 1124030000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 230 V UC $\pm 10\%$, Continuous current: 10 A, Screw connection |
| GTIN (EAN) | 4032248906222 | |
| Qty. | 10 pc(s). | |

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Mating connector (fully pluggable)

| | | |
|------------|----------------------------|--|
| Type | TRS 120VUC 2CO EMPTY | Version |
| Order No. | 1124020000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 120 V UC $\pm 10\%$, Continuous current: 10 A, Screw connection |
| GTIN (EAN) | 4032248905812 | |
| Qty. | 10 pc(s). | |
| Type | TRS 230VAC RC 2CO EMPTY | Version |
| Order No. | 1124050000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 230 V AC $\pm 10\%$, Continuous current: 10 A, Screw connection |
| GTIN (EAN) | 4032248905874 | |
| Qty. | 10 pc(s). | |

Tension clamp connection



TERMSERIES accessories include:

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

General ordering data

| | | |
|------------|----------------------------|--|
| Type | TRZ 120VAC RC 2CO EMPTY | Version |
| Order No. | 1124170000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 120 V AC $\pm 10\%$, Continuous current: 10 A, Tension-clamp connection |
| GTIN (EAN) | 4032248905904 | |
| Qty. | 10 pc(s). | |
| Type | TRZ 230VAC RC 2CO EMPTY | Version |
| Order No. | 1124180000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 230 V AC $\pm 10\%$, Continuous current: 10 A, Tension-clamp connection |
| GTIN (EAN) | 4032248906017 | |
| Qty. | 10 pc(s). | |
| Type | TRZ 120VUC 2CO EMPTY | Version |
| Order No. | 1124140000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 120 V UC $\pm 10\%$, Continuous current: 10 A, Tension-clamp connection |
| GTIN (EAN) | 4032248905928 | |
| Qty. | 10 pc(s). | |
| Type | TRZ 230VUC 2CO EMPTY | Version |
| Order No. | 1124150000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 230 V UC $\pm 10\%$, Continuous current: 10 A, Tension-clamp connection |
| GTIN (EAN) | 4032248905867 | |
| Qty. | 10 pc(s). | |

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Accessories

PUSH IN connection



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- Power-feed modules

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| Type | TRP 120VUC 2CO EMPTY | Version |
| Order No. | 2681010000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 120 V UC $\pm 10\%$, Continuous current: 10 A, PUSH IN with actuator |
| GTIN (EAN) | 4050118695410 | |
| Qty. | 10 pc(s). | |
| Type | TRP 230VAC RC 2CO EMPTY | Version |
| Order No. | 2681190000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 230 V AC $\pm 10\%$, Continuous current: 10 A, PUSH IN with actuator |
| GTIN (EAN) | 4050118695441 | |
| Qty. | 10 pc(s). | |
| Type | TRP 120VAC RC 2CO EMPTY | Version |
| Order No. | 2681030000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 120 V AC $\pm 10\%$, Continuous current: 10 A, PUSH IN with actuator |
| GTIN (EAN) | 4050118695434 | |
| Qty. | 10 pc(s). | |
| Type | TRP 230VUC 2CO EMPTY | Version |
| Order No. | 2681020000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 230 V UC $\pm 10\%$, Continuous current: 10 A, PUSH IN with actuator |
| GTIN (EAN) | 4050118695427 | |
| Qty. | 10 pc(s). | |

Screw connection



TERMSERIES accessories include:

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General ordering data

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| Type | TRS 120VAC RC 2CO EMPTY | Version |
| Order No. | 1124040000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 120 V AC $\pm 10\%$, Continuous current: 10 A, Screw connection |
| GTIN (EAN) | 4032248906178 | |
| Qty. | 10 pc(s). | |
| Type | TRS 230VUC 2CO EMPTY | Version |
| Order No. | 1124030000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 230 V UC $\pm 10\%$, Continuous current: 10 A, Screw connection |
| GTIN (EAN) | 4032248906222 | |
| Qty. | 10 pc(s). | |

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Accessories

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| Type | TRS 120VUC 2CO EMPTY | Version |
| Order No. | 1124020000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 120 V UC $\pm 10\%$, Continuous current: 10 A, Screw connection |
| GTIN (EAN) | 4032248905812 | |
| Qty. | 10 pc(s). | |
| Type | TRS 230VAC RC 2CO EMPTY | Version |
| Order No. | 1124050000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 230 V AC $\pm 10\%$, Continuous current: 10 A, Screw connection |
| GTIN (EAN) | 4032248905874 | |
| Qty. | 10 pc(s). | |

Tension clamp connection



TERMSERIES accessories include:

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General ordering data

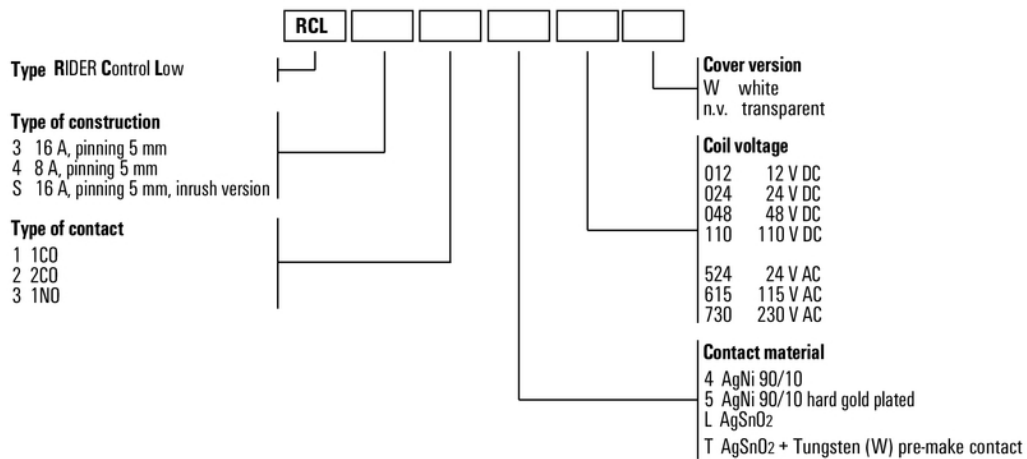
| | | |
|------------|----------------------------|--|
| Type | TRZ 120VAC RC 2CO EMPTY | Version |
| Order No. | 1124170000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 120 V AC $\pm 10\%$, Continuous current: 10 A, Tension-clamp connection |
| GTIN (EAN) | 4032248905904 | |
| Qty. | 10 pc(s). | |
| Type | TRZ 230VAC RC 2CO EMPTY | Version |
| Order No. | 1124180000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 230 V AC $\pm 10\%$, Continuous current: 10 A, Tension-clamp connection |
| GTIN (EAN) | 4032248906017 | |
| Qty. | 10 pc(s). | |
| Type | TRZ 230VUC 2CO EMPTY | Version |
| Order No. | 1124150000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 230 V UC $\pm 10\%$, Continuous current: 10 A, Tension-clamp connection |
| GTIN (EAN) | 4032248905867 | |
| Qty. | 10 pc(s). | |
| Type | TRZ 120VUC 2CO EMPTY | Version |
| Order No. | 1124140000 | TERMSERIES, Relay bases, Number of contacts: 2 CO contact, Rated control voltage: 120 V UC $\pm 10\%$, Continuous current: 10 A, Tension-clamp connection |
| GTIN (EAN) | 4032248905928 | |
| Qty. | 10 pc(s). | |

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Drawings

Miscellaneous



Type codes