

**TERMSERIES
RCL424024**

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TERMSERIES accessories include:

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

General ordering data

| | |
|------------|---|
| Type | RCL424024 |
| Order No. | 4058570000 |
| Version | TERMSERIES, Relais, No. of contacts: 2, CO contact, AgNi 90/10, Rated control voltage: 24 V DC, Continuous current: 8 A, Plug-in connection |
| GTIN (EAN) | 4032248189298 |
| 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 | 14.4 g | | |

Temperatures

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

Input

| | | | |
|-----------------------|---------------|--------------------------------|-------------------|
| Rated control voltage | 24 V DC | Rated current DC | 16.7 mA |
| Power rating | 400 mW | Pull-in/drop-out voltage, typ. | 16.8 V / 2.4 V DC |
| Coil resistance | 1440 Ω ± 10 % | | |

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 | 100 mA / 5 V, 10 V / 10 mA, 24 V / 1 mA | Max. switching frequency at rated load | 0.1 Hz |

Contact data

| | | | |
|------------------|------------|-------------------------|---|
| No. of contacts | 2 | Contact design | CO contact |
| Contact material | AgNi 90/10 | Mechanical service life | AC coil 5 x 10 ⁶ Switch. cycles, DC coil 30 x 10 ⁶ Switch. cycles |

General data

| | | | |
|---------|-------|---------------------------|-----|
| Version | Relay | UL 94 flammability rating | V-0 |
|---------|-------|---------------------------|-----|

Insulation coordination

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

Further details of approvals / standards

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

Connection data

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

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