

RCL424060**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: 2, CO contact AgNi, Rated control voltage: 60 V DC, Continuous current: 8 A, Plug-in connection, Test button available: No |
| Order No. | 4058760000 |
| Type | RCL424060 |
| GTIN (EAN) | 4032248412662 |
| 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 | 14.5 g | | |

Temperatures

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

Rated data UL

| | |
|-------------------------|---------|
| Certificate No. (cURus) | E522350 |
|-------------------------|---------|

Control side

| | | | |
|-----------------------|---------|------------------|------------------------|
| Rated control voltage | 60 V DC | Rated current DC | 7 mA |
| Power rating | 420 mW | Coil resistance | 8300 $\Omega \pm 12\%$ |
| Status indicator | No | | |

Load side

| | | | |
|---|---|---|---------------------------------------|
| Rated switching voltage | 250 V AC | Continuous current | 8 A |
| Max. switching frequency at rated load | 0.1 Hz | 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 |
| Contact type | 2 CO contact (AgNi) | Mechanical service life | 30 x 10 ⁶ switching cycles |
| 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 | Transparent | UL 94 flammability rating | V-2 |

Insulation coordination

| | | | |
|---|--------------------------------|--|-----------------------------|
| Rated voltage | 250 V | Pollution severity | 2 |
| Surge voltage category | III | Insulating material group | IIIa |
| 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 neighbouring contacts | 2.5 kV _{eff} / 1 Min. | Dielectric strength of open contact | 1 kV _{eff} / 1 min |
| Protection degree | IP20 | | |

Further details of approvals / standards

| | | | |
|-------------------------|----------------|-----------------------|----------|
| Certificate No. (CSA) | 249409-2426937 | Certificate No. (VDE) | 40020589 |
| Certificate No. (cURus) | E522350 | | |

Connection data

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

Creation date November 6, 2024 9:14:42 PM CET

Catalogue status 26.10.2024 / We reserve the right to make technical changes.

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www.weidmueller.com**Technical data****Classifications**

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC001437 | ETIM 7.0 | EC001437 |
| ETIM 8.0 | EC001437 | ETIM 9.0 | 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 | ECLASS 13.0 | 27-37-16-01 |
| ECLASS 14.0 | 27-37-16-01 | | |

Environmental Product Compliance

| | |
|------------------------|-----------------------------|
| RoHS Compliance Status | Compliant without exemption |
| REACH SVHC | No SVHC above 0.1 wt% |

Approvals

Approvals



| | |
|-------------------------|------------|
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate No. (cURus) | E522350 |

Downloads

| | |
|--------------------|---|
| Engineering Data | CAD data – STEP |
| User Documentation | FL_TERMSERIES_RCL2CO_LOAD_GUIDE |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

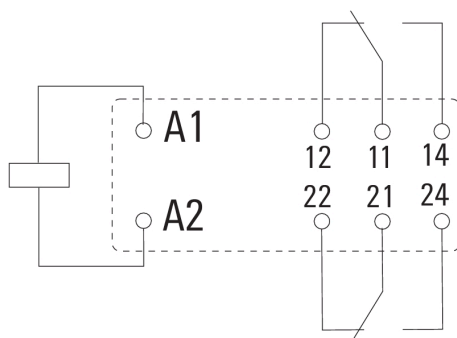
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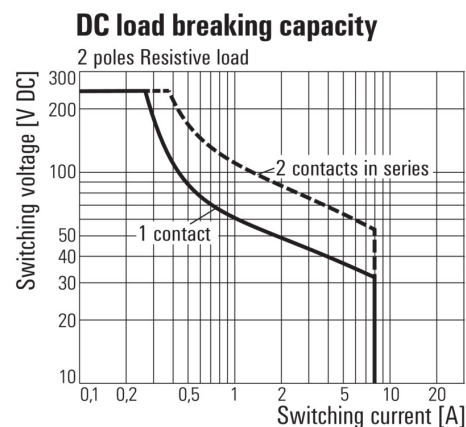
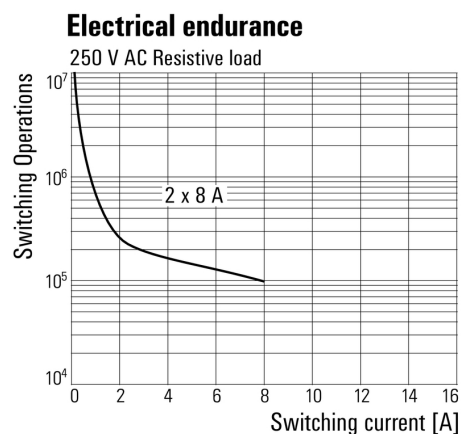
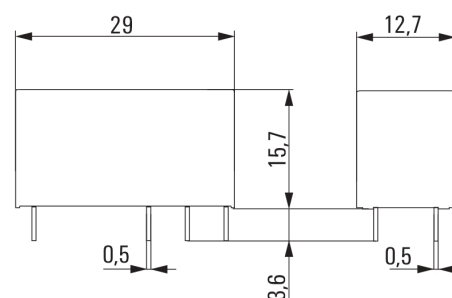
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Drawings**Wiring diagram**

View of Pins from below

GraphDC load limit curve
Resistive load**Graph**Electrical service life
250 V AC resistive load

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www.weidmueller.com**Accessories****PUSH IN connection**

TERMSERIES empty sockets with:

- 2 CO contacts
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

General ordering data

| Type | TRP 60VUC 2CO EMPTY | Version |
|------------|----------------------------|---|
| Order No. | 2681000000 | TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated |
| GTIN (EAN) | 4050118695403 | control voltage: 60 V UC $\pm 10\%$, Continuous current: 10 A, PUSH IN |
| Qty. | 10 pc(s). | |

Tension clamp connection

TERMSERIES empty sockets with:

- 2 CO contacts
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

General ordering data

| Type | TRZ 60VUC 2CO EMPTY | Version |
|------------|----------------------------|--|
| Order No. | 1124130000 | TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated |
| GTIN (EAN) | 4032248905584 | control voltage: 60 V UC $\pm 10\%$, Continuous current: 10 A, Tension-clamp connection |
| Qty. | 10 pc(s). | |

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www.weidmueller.com**Accessories****Screw connection**

TERMSERIES empty sockets with:

- 2 CO contacts
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

General ordering data

| | | |
|------------|----------------------------|---|
| Type | TRS 60VUC 2CO EMPTY | Version |
| Order No. | 1124010000 | TERMSERIES, Relay socket, Number of contacts: 2, CO contact, Rated |
| GTIN (EAN) | 4032248905898 | control voltage: 60 V UC $\pm 10\%$, Continuous current: 10 A, Screw |
| Qty. | 10 pc(s). | connection |

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Type codes