

RCL314024**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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: 24 V DC, Continuous current: 16 A, Plug-in connection, Test button available: No |
| Order No. | 8693260000 |
| Type | RCL314024 |
| GTIN (EAN) | 4032248364718 |
| Qty. | 20 pc(s). |

Creation date January 28, 2023 4:08:53 PM CET

Catalogue status 24.01.2023 / We reserve the right to make technical changes.

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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 | 13.62 g | | |

Temperatures

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

Rated data UL

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

Control side

| | | | |
|-----------------------|---------------|--------------------------------|-------------------|
| 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 % | 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 | ≤ 6 ms |
| Contact type | 1 CO contact (AgNi) | Mechanical service life | AC coil 10 x 10 ⁶ switching cycles, DC coil 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 | 400 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 | 1.2 kV _{eff} / 5 s |
| 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 | | |

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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 |
| 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 | 4,4'-isopropylidenediphenol 80-05-7 |
| SCIP | ba21cda2-7456-4814-96b7-d4f8c0216848 |

Approvals

Approvals



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

Downloads

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

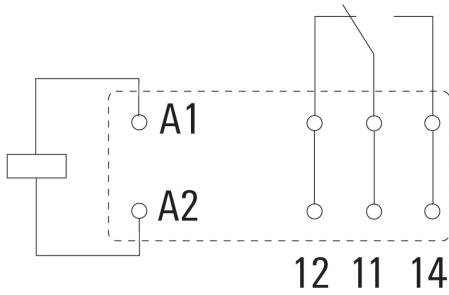
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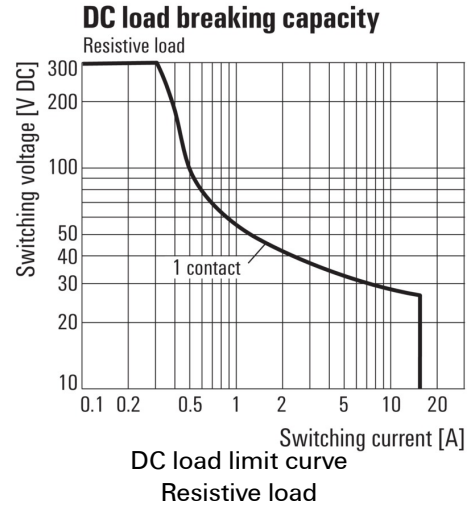
Drawings

Wiring diagram

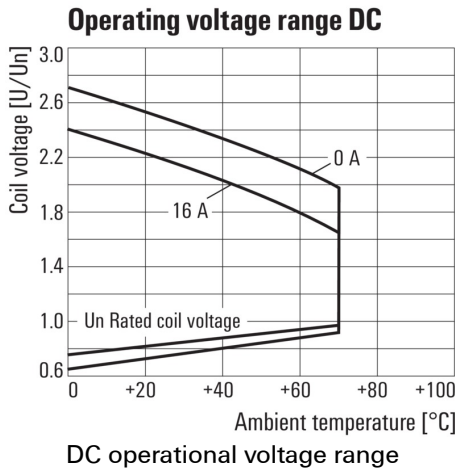


View of Pins from below

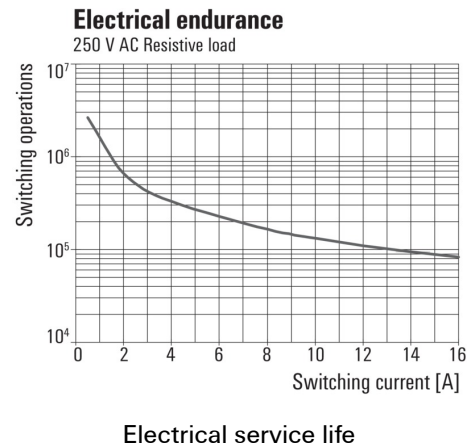
Graph



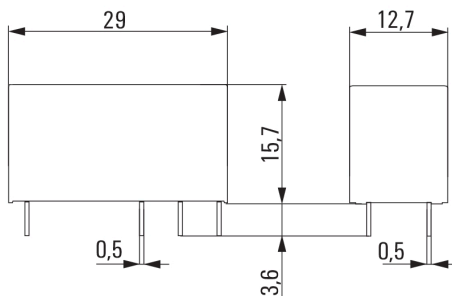
Graph



Graph



Dimensional drawing



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Mating connector (fully pluggable)

Tension clamp connection



TERMSERIES empty sockets with:

- 1 CO contact
- 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 | TOZ 24-230VUC EMPTY | Version |
|------------|----------------------------|--------------------------------------------------------------------|
| Order No. | 1127750000 | TERMSERIES, Relay socket, Rated control voltage: 24...230 V UC ±10 |
| GTIN (EAN) | 4032248909223 | % , Rated switching voltage: 250 V AC, Continuous current: 16 A, |
| Qty. | 10 pc(s). | Tension-clamp connection |
| Type | TOZ 24VDC EMPTY | Version |
| Order No. | 1127740000 | TERMSERIES, Relay socket, Rated control voltage: 24 V DC ±20 |
| GTIN (EAN) | 4032248909421 | % , Rated switching voltage: 250 V AC, Continuous current: 16 A, |
| Qty. | 10 pc(s). | Tension-clamp connection |

PUSH IN connection



TERMSERIES empty sockets with:

- 1 CO contact
- 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 | TOP 24VDC EMPTY | Version |
|------------|----------------------------|-------------------------------------------------------------------|
| Order No. | 2618740000 | TERMSERIES, Relay socket, Rated control voltage: 24 V DC ±20 % , |
| GTIN (EAN) | 4050118670097 | Rated switching voltage: 250 V AC, Continuous current: 16 A, PUSH |
| Qty. | 10 pc(s). | IN |

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Mating connector (fully pluggable)

Screw connection



TERMSERIES empty sockets with:

- 1 CO contact
- 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

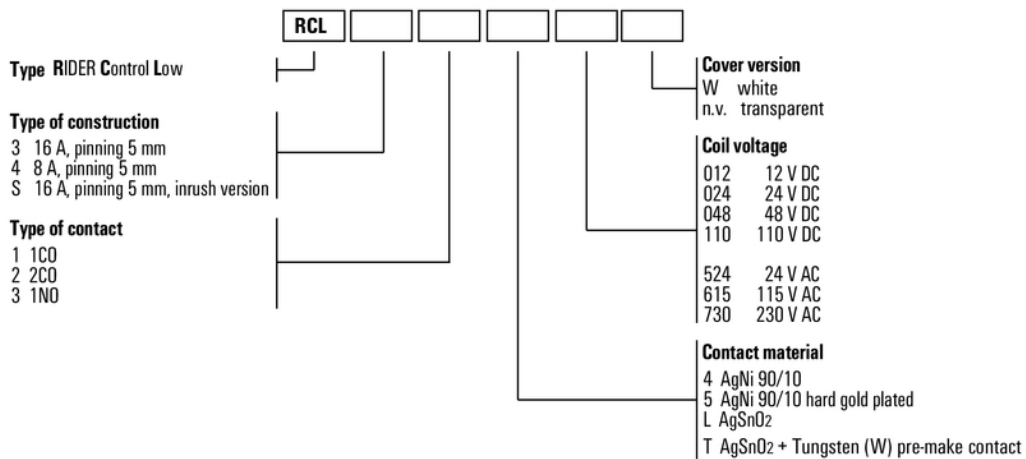
| | | |
|------------|----------------------------|--------------------------------------------------------------------|
| Type | TOS 24-230VUC EMPTY | Version |
| Order No. | 1127730000 | TERMSERIES, Relay socket, Rated control voltage: 24...230 V UC ±10 |
| GTIN (EAN) | 4032248909254 | % , Rated switching voltage: 250 V AC, Continuous current: 16 A, |
| Qty. | 10 pc(s). | Screw connection |
| Type | TOS 24VDC EMPTY | Version |
| Order No. | 1127720000 | TERMSERIES, Relay socket, Rated control voltage: 24 V DC ±20 % , |
| GTIN (EAN) | 4032248909377 | Rated switching voltage: 250 V AC, Continuous current: 16 A, Screw |
| Qty. | 10 pc(s). | connection |

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Miscellaneous



Type codes