

RCLS3T024W

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Product image



Individual relays for TERMSERIES

- Electromechanical relays
- Different contact materials

General ordering data

| | |
|------------|---|
| Version | TERMSERIES, Relay, Number of contacts: 1, NO contact AgSnO + W, Rated control voltage: 24 V DC, Continuous current: 16 A, Plug-in connection, Test button available: No |
| Order No. | 8866920000 |
| Type | RCLS3T024W |
| GTIN (EAN) | 4032248606528 |
| Qty. | 20 items |

RCLS3T024W

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

Approvals

Approvals



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

Dimensions and weights

| | | | |
|------------|---------|-----------------|-------------|
| Depth | 15.7 mm | Depth (inches) | 0.6181 inch |
| Height | 29 mm | Height (inches) | 1.1417 inch |
| Width | 12.7 mm | Width (inches) | 0.5 inch |
| Net weight | 15.15 g | | |

Temperatures

| | | | |
|-----------------------|----------------|---------------------|--|
| Storage temperature | -40 °C...85 °C | Ambient temperature | -25 °C...70 °C |
| Operating temperature | | Humidity | 40 °C / 93 % rel. humidity, no condensation |

Environmental Product Compliance

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

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 | 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 | 165 A / 20 ms, 800 A / 200 µs |
| AC switching capacity (resistive), max. | 4000 VA | DC switching capacity (resistive), max. | 384 W @ 24 V |
| Switch-on delay | ≤ 10 ms | Switch-off delay | ≤ 6 ms |
| Contact type | 1 NO contact (AgSnO + W) | Mechanical service life | 5 x 10 ⁶ switching cycles |
| Min. switching power | 1 W | | |

General data

| | | | |
|-----------------------|-------|--------------------------------------|-----|
| Test button available | No | Mechanical switch position indicator | No |
| Colour | white | UL 94 flammability rating | V-0 |

Insulation coordination

| | | | |
|------------------------|-------|---------------------------|------|
| Rated voltage | 250 V | Pollution severity | 2 |
| Surge voltage category | III | Insulating material group | IIIa |

RCLS3T024W

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Technical data

| | | | |
|---|-----------------|--|----------------|
| Clearance and creepage distances for control side - load side | ≥ 10 mm | Dielectric strength for control side - load side | 5 kVeff / 1min |
| Dielectric strength of open contact | 1 kVeff / 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

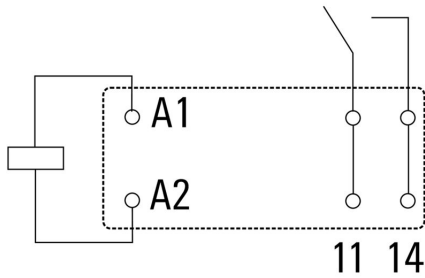
| | | | |
|------------------------|--------------------|-----------------|---------|
| Wire connection method | Plug-in connection | Pitch in mm (P) | 5.00 mm |
|------------------------|--------------------|-----------------|---------|

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC001437 | ETIM 9.0 | EC001437 |
| ETIM 10.0 | EC001437 | ECLASS 14.0 | 27-37-16-01 |
| ECLASS 15.0 | 27-37-16-01 | | |

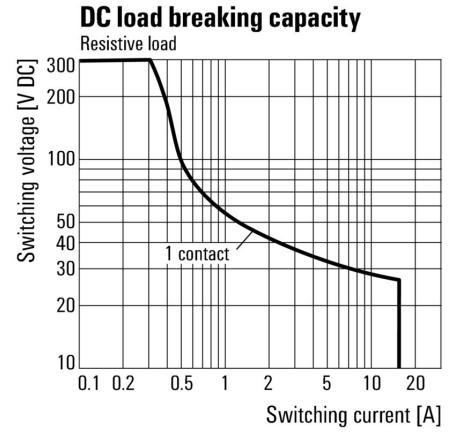
Drawings

Wiring diagram



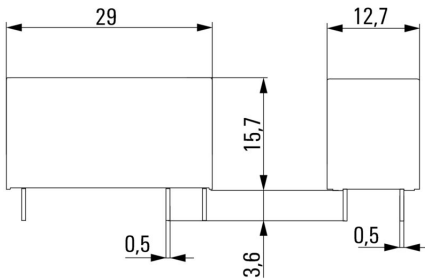
View of Pins from below

Graph

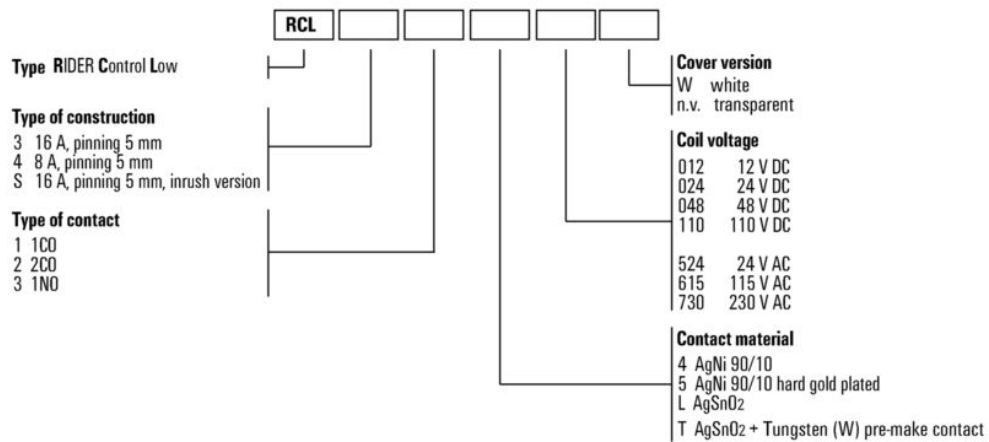


DC load limit curve

Dimensional drawing



Miscellaneous



Type codes

RCLS3T024W

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Counterpart

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 24VDC EMPTY | Version |
| Order No. | 1127720000 | TERMSERIES, Relay socket, Rated control voltage: 24 V DC \pm 20 % , |
| GTIN (EAN) | 4032248909377 | Rated switching voltage: 230 V AC, Continuous current: 16 A, Screw |
| Qty. | 10 ST | connection |

Tension clamp connection



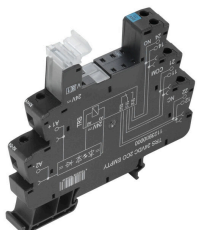
TERMSERIES empty sockets with:

- 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 24VDC EMPTY | Version |
| Order No. | 1127740000 | TERMSERIES, Relay socket, Rated control voltage: 24 V DC \pm 20 |
| GTIN (EAN) | 4032248909421 | % , Rated switching voltage: 230 V AC, Continuous current: 16 A, |
| Qty. | 10 ST | Tension-clamp connection |

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 \pm 10 |
| GTIN (EAN) | 4032248909254 | % , Rated switching voltage: 230 V AC, Continuous current: 16 A, |
| Qty. | 10 ST | Screw connection |

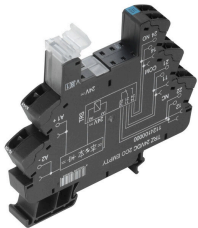
RCLS3T024W

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com

Counterpart

Tension clamp connection



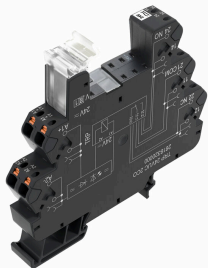
TERMSERIES empty sockets with:

- 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: 230 V AC, Continuous current: 16 A, | |
| Qty. | 10 ST | Tension-clamp connection | |

PUSH IN connection



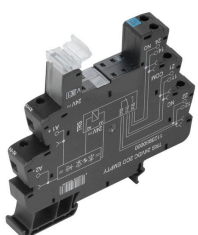
TERMSERIES empty sockets with:

- 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: 230 V AC, Continuous current: 16 A, PUSH | |
| Qty. | 10 ST | IN | |
| Type | TOP 24-230VUC EMPTY ED2 | Version | |
| Order No. | 2663110000 | TERMSERIES, Relay socket, Rated control voltage: 24...230 V UC ±10 | |
| GTIN (EAN) | 4050118697964 | % , Rated switching voltage: 250 V AC, Continuous current: 16 A, | |
| Qty. | 10 ST | PUSH IN | |

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

Counterpart

General ordering data

| | | |
|------------|----------------------------|--|
| Type | TOS 24-230VUC EMPTY ED2 | Version |
| Order No. | 2662950000 | TERMSERIES, Relay socket, Rated control voltage: 24...230 V UC ±10 |
| GTIN (EAN) | 4050118698121 | %, Rated switching voltage: 250 V AC, Continuous current: 16 A, |
| Qty. | 10 ST | Screw connection |