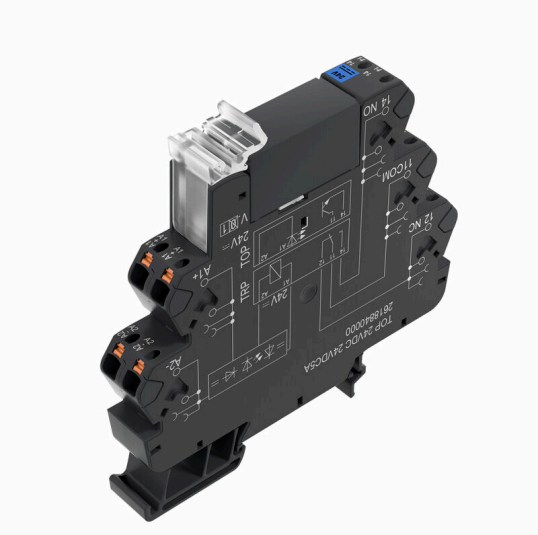
Data sheet

# TOP 24VDC 24VDC3.5A

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

www.weidmueller.com

## Product image



Similar to illustration

- 1 NO contact (MOS-FET)
- 12.8 mm wide
- 3,5 A DC output current
- Unique multi-voltage input from 24 to 230 V UC

## General ordering data

| | |
|---|---|
| Version | TERMSERIES, Solid-state relay, Rated control voltage: 24 V DC ±20 % , Rated switching voltage: 3...33 V DC, Continuous current: 3.5 A, PUSH IN |
| Order No. | 2618700000 |
| Type | TOP 24VDC 24VDC3.5A |
| GTIN (EAN) | 4050118670134 |
| Qty. | 10 items |
| Delivery status | Discontinued |
| Last order date | 2025-11-20T00:00:00+01:00 |
| Alternative product | TOP 24VDC 24VDC5A |



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# Data sheet

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# Technical data

### Approvals

| | |
|---|---|
| Approvals | |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E141197 |

### Dimensions and weights

| | | | |
|---|---|---|---|
| Depth | 87.8 mm | Depth (inches) | 3.4567 inch |
| Height | 89.4 mm | Height (inches) | 3.5197 inch |
| Width | 12.8 mm | Width (inches) | 0.5039 inch |
| Net weight | 27 g | | |

### Temperatures

| | | | |
|---|---|---|---|
| Storage temperature | -40 °C...70 °C | Ambient temperature | -20 °C...60 °C |
| Operating temperature | | Humidity | 5-95% relative humidity, Tu = 40°C, without condensation |

### Probability of failure

| | |
|---|---|
| MTTF | 1077 a |

### Environmental Product Compliance

| | |
|---|---|
| RoHS Compliance Status | Compliant with exemption |
| RoHS Exemption (if applicable/known) | 7a, 7cI |
| REACH SVHC | Lead 7439-92-1 |
| SCIP | 9e2cbc49-76d9-4611-b8ec-5b4f549a0aa9 |

### Rated data UL

| | | | |
|---|---|---|---|
| Ambient temperature (operational), max. | 60 °C | Connection cross-section AWG, min. | AWG 26 |
| Connection cross-section AWG, max. | AWG 14 | Type of conductor | rigid copper conductor, flexible copper conductor |
| Pollution severity level | 2 | | |

### Control side

| | | | |
|---|---|---|---|
| Rated control voltage | 24 V DC ±20 % | Nominal control current | 10 mA DC ±20 % |
| Power rating | 240 mW | Status indicator | Green LED |
| Protective circuit | Free-wheeling diode, Reverse polarity protection | Input frequency | 300 Hz |
| Coil voltage of the replacement relay deviating from the rated control voltage | No | Coil voltage of the replacement relay | 24 V DC |

### Load side

| | | | |
|---|---|---|---|
| Rated switching voltage | 3...33 V DC | Continuous current | 3.5 A |
| Rated switching current | 3.5 A | Switch-on delay | <55 µs |
| Switch-off delay | <600 µs | Voltage drop at max. load | ≤ 0.3 V |
| Leakage current | <10 µA | Min. switching current | 10 mA |



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# Technical data

| | | | |
|---|---|---|---|
| Short-circuit-proof | No | Protective circuit, load side | Free-wheeling diode |
| Contact type | 1 NO contact (MOS-FET) | max. switching frequency (DC control voltage) | 300 Hz |

## General data

| | | |
|---|---|---|
| Mounting rail | TS 35 | |
| Test button available | No | |
| Colour | black | |
| UL94 flammability rating component | Component | Housing |
| | UL94 flammability rating | V-0 |
| | Component | Retaining clip |
| | UL94 flammability rating | V-0 |
| | Component | Pusher |
| | UL94 flammability rating | V-0 |

## Insulation coordination

| | | | |
|---|---|---|---|
| Rated voltage | 300 V | Pollution severity | 2 |
| Surge voltage category | III | Clearance and creepage distances for control side - load side | ≥ 5.5 mm |
| Dielectric strength for control side - load side | 2.5 kVeff | Dielectric strength to mounting rail | 4 kVeff / 1 Min. |
| Impulse withstand voltage | 6 kV (1.2/50 µs) | Protection degree | IP20 |

## Further details of approvals / standards

| | | | |
|---|---|---|---|
| Certificate No. (DNV) | TAA00001E5 | Certificate no. (cULus) | E141197 |

## Connection data

| | | | |
|---|---|---|---|
| Wire connection method | PUSH IN | Stripping length, rated connection | 9 mm |
| Clamping range, rated connection | 1.5 mm² | Clamping range, min. | 0.14 mm² |
| Clamping range, max. | 2.5 mm² | Wire connection cross section AWG, min. | AWG 26 |
| Wire connection cross section AWG, max. | AWG 14 | Wire cross-section, solid, min. | 0.14 mm² |
| Wire cross-section, solid, max. | 1.5 mm² | Wire cross-section, solid, min. (AWG) | AWG 26 |
| Wire cross-section, solid, max. (AWG) | AWG 16 | Wire connection cross section, finely stranded, min. | 0.14 mm² |
| Wire connection cross section, finely stranded, max. | 2.5 mm² | Wire cross-section, finely stranded, min. (AWG) | AWG 26 |
| Wire cross-section, finely stranded, max. (AWG) | AWG 14 | Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, min. | 0.14 mm² |
| Wire connection cross-section, finely stranded with wire-end ferrules DIN 46228/4, max. | 1.5 mm² | Conductor cross-section, flexible, AEH (DIN 46228-1), min. | 0.14 mm² |
| Conductor cross-section, flexible, AEH (DIN 46228-1), max. | 1.5 mm² | Blade size | 0.4 x 2.0 mm |

## Classifications

| | | | |
|---|---|---|---|
| ETIM 8.0 | EC001504 | ETIM 9.0 | EC001504 |
| ETIM 10.0 | EC001504 | ECLASS 14.0 | 27-37-16-04 |
| ECLASS 15.0 | 27-37-16-04 | | |



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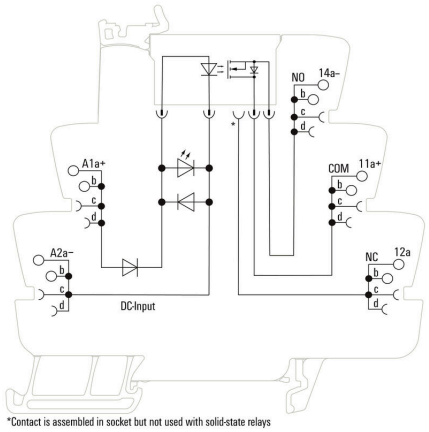
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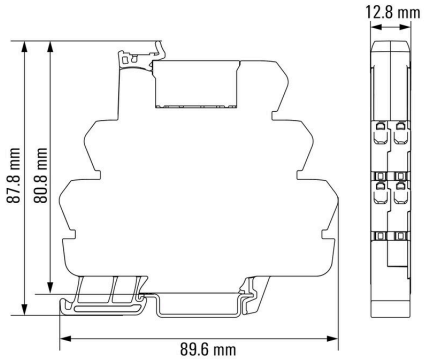
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## Drawings

### Wiring diagram




### Dimensional drawing






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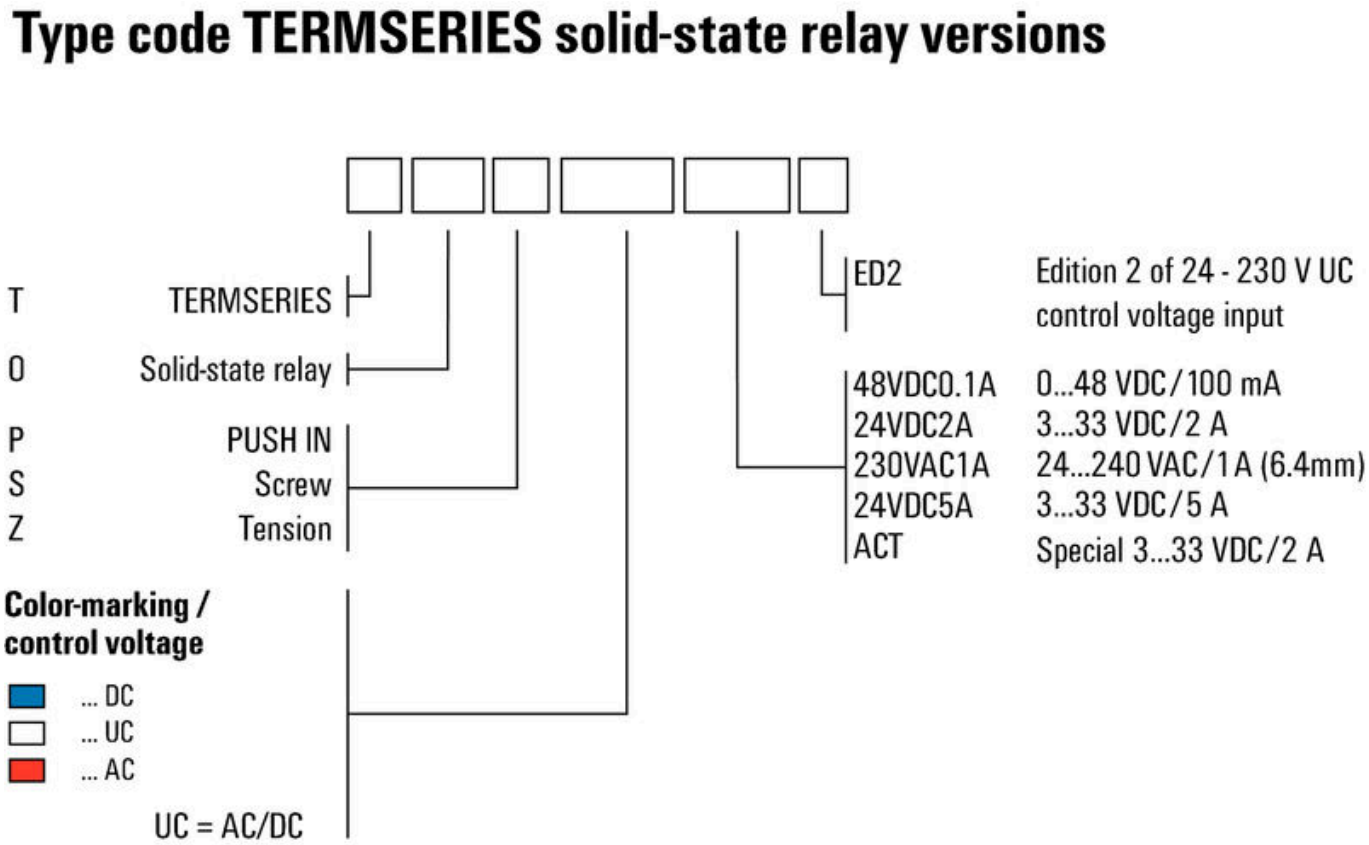
Weidmüller

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## Drawings

### Miscellaneous




Type codes



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