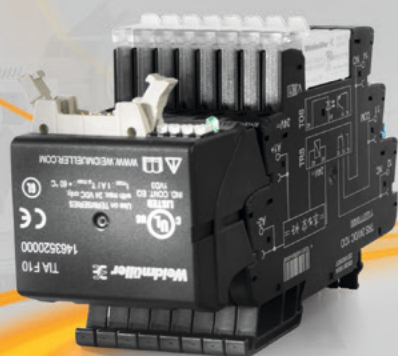


Klippon® Relay

TERMSERIES

The All-rounder

NEW
with lockable
test button



Weidmüller 

TERMSERIES

The all-rounder - modular relay modules

Introduction

TERMSERIES relay modules and solid-state relays are real all-rounders in the extensive Klippon® Relay portfolio. The pluggable modules are available in many variants and can be exchanged quickly and easily – they are ideal for use in modular systems. Their large illuminated ejection lever also serves as a status LED with integrated holder for markers, making maintenance easier. TERMSERIES products are particularly space-saving and are available in widths from 6.4 mm. Besides their versatility, they convince through their extensive accessories and unlimited cross-connection possibilities.

| | | |
|-------------------|--|----|
| TERMSERIES | TERMSERIES - The All-rounder | 04 |
| | TERMSERIES relay modules with test button | 06 |
| | Unique multi-voltage input | 10 |
| | Actor variant | 12 |
| | RC-Filter | 13 |
| | TERMSERIES TIMER | 14 |
| | TERMSERIES FG | 16 |
| | TERMSERIES interface adapter | 18 |
| | Select contact materials suitable for the application | 20 |
| | Simple and comfortable cross-connection of compact relay modules | 21 |
| | Partition plates and accessories | 22 |
| | Overview Special variants | 24 |
| | Overview Relay modules | 26 |
| | Overview Solid-state relays | 28 |
| | Online support and downloads | 30 |

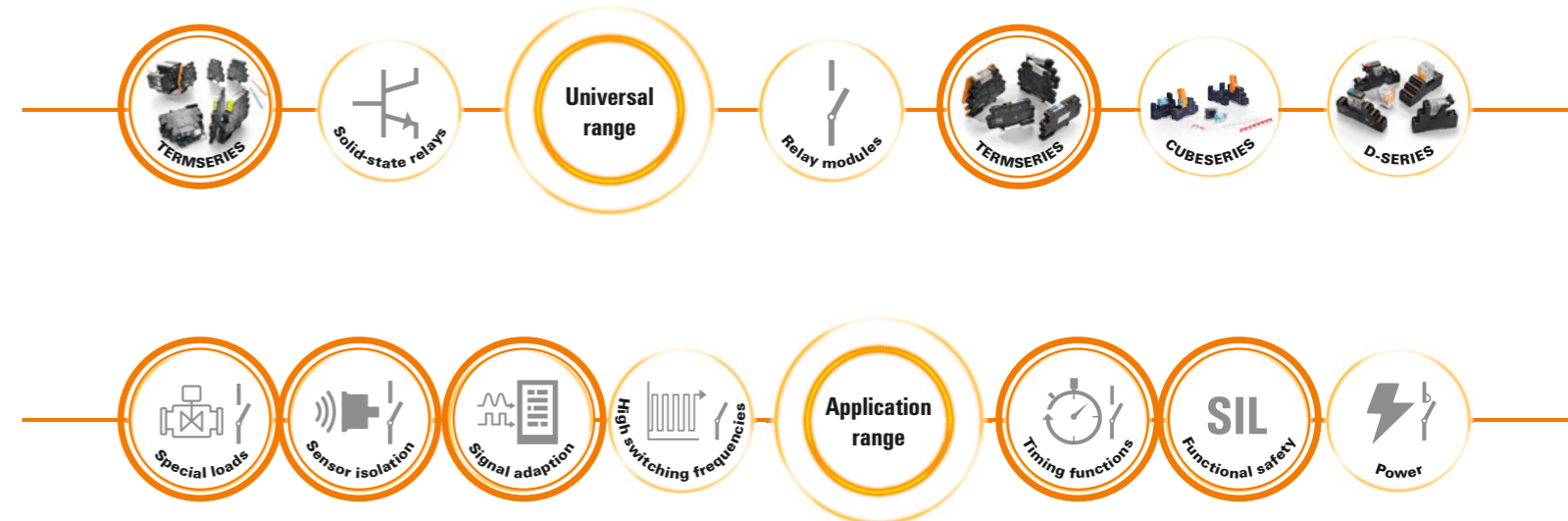
Solutions for more productivity

Highly flexible design processes – with Klippon® Relay

For more than 40 years, we have specialised in the optimisation of cabinet infrastructures. Our wide range of relay modules, solid-state relays and additional value-added services combine the highest standards with ultimate quality. Less wiring effort, housing optimisation through space saving, optimal marking and cost reductions – our customers challenges are our motivation.

Our assortment impresses through reliability, longevity and safety. Supplemented by our digital data support, switching load consulting and online selection guides, we support our customers throughout the entire work process – from the planning phase to installation and operation.

In our universal range, you will find an extensive portfolio of relay modules and solid-state relays in various designs.



In our application range, you will find a tailor-made portfolio of products to increase your productivity and safety for various fields of application.



Visit our website for more information
www.weidmueller.com/klipponrelay

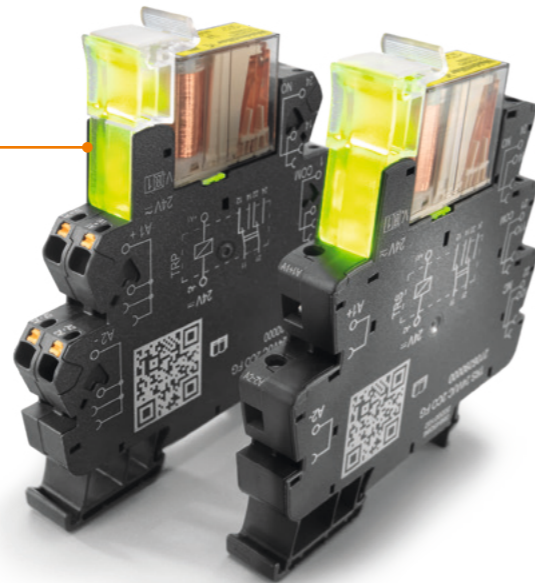
TERMSERIES – The All-rounder

Relay modules and solid-state relays for every application

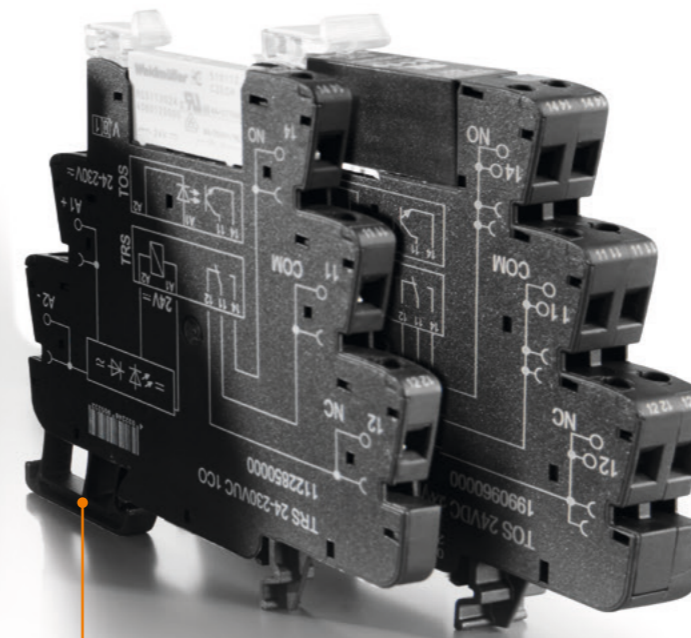
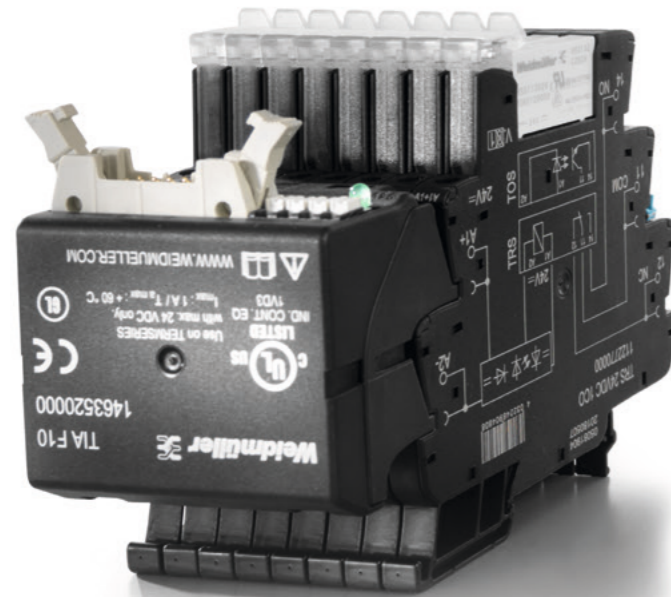


Now available with lockable test button
Facilitate maintenance and commissioning with manual operability

Space-saving design
The slim design result is extremely space saving in the cabinet, thanks to the compact width of 6.4 mm.



Markable ejector lever and LED status indicator
The ejector lever makes it easy to replace the plugged-in relays. This enables the safe removal of the switching element. A clear status display is made via the LED, which illuminates the complete ejector on a large area.



Continuous cross-connectors
Continuous cross-connection channels increase flexibility and reduce the wiring time at every level.

To video
TERMSERIES PUSH IN

Your special advantages:

New

- TERMSERIES with test button**
- Operation is possible purely manually or via on/off signal of the controlling signal source
 - Simple simulation of digital input and output signals during commissioning and maintenance work
 - Available as actuator version, with gold contacts as well as with special multi-voltage input (24-230 V UC)

- PUSH IN**
- Quick and safe connection of all conductor types
 - Coloured pushers prevent incorrect wiring

- New multi-voltage input**
- Combined multi-voltage input from 24 to 230 V AC and DC in only one module
 - Continuous operation at up to 60 °C ambient temperature in dense packing

- Integrated timing functions**
- Timing functions and time ranges are set easily via the DIP switches on the side
 - International standards according to EN 61812

- Forcibly guided contacts**
- Ensure the monitoring of signals for opening failure according to EN 61810-3
 - Ensures a synchronous switching status at both contacts and achieves a diagnostic coverage of 99 %



Visit our website for more information
www.weidmuller.com/term



TERMSERIES relay modules with test button

Facilitate maintenance and commissioning with manual operability

In many situations it is important to perform test processes as quickly and easily as possible. Relay modules from the TERMSERIES are now also available with a test button and offer a high level of practical benefit.

With the manually lockable test button, input or output signals can be simulated easily. In this way, machines and systems can be tested step by step during commissioning and maintenance. The orange test button is immediately recognisable and easy to operate. TERMSERIES relay modules with test button expand our proven TERMSERIES product family. They are compatible with TERMSERIES accessories and can be supplemented with interface adapters, cross-connections, and partition plates.

Your special advantages:

- Operation is possible purely manually or via on/off signal of the controlling signal source
- Simple simulation of digital input and output signals during commissioning and maintenance work
- Available as actuator version, with gold contacts as well as with special multi-voltage input (24-230 V UC)

Two designs

TERMSERIES relay modules with test button are available in 6.4 mm and 12.8 mm versions.

AVAILABLE WITH LOCKABLE TEST BUTTON

Lockable test button

The test button enables easy simulation of digital input and output signals. For protection against maloperation, it can only be locked with a screw-driver.

Universally applicable

TERMSERIES relay modules with test button are compatible with all accessories of the proven TERMSERIES. This allows high flexibility and easy integration into existing systems.

Supplementary actuator version

In the actuator version, supply and return conductors can be connected directly to the relay module. This eliminates intensive separate wiring and considerably reduces the wiring time.



Scan the QR-Code on the TERMSERIES relay and you can access the product directly in our online catalogue.



Visit our website for more information
www.weidmueller.com/termpb

TERMSERIES relay modules with test button

6.4 mm width

Technical data

Input

- Rated control voltage: 24 V DC, 24 V UC, 24-230 V UC

Output

- Contact type: 1 CO contact, 1 NO contact
- Contact material: AgSnO, hard gold plated contacts
- Continuous current: 6 A

General Data

- Lockable test button
- Status displays: LED green
- Dimensions (W x H x D): 6.4 x 90 x 88 mm
- Temperature range: -40 °C to 60 °C
- Version: Relay module
- Connection: PUSH IN/Screw connection



| Type | Rated control voltage | Contact type | Contact material | Connection | Qty | Order No. |
|-----------------------------------|-----------------------|--------------|------------------|------------------|-----|------------|
| TRP 24VDC 1CO AGSNO PB | 24 V DC | 1 CO contact | AgSnO | PUSH IN | 10 | 2855800000 |
| TRP 24VUC 1CO AGSNO PB | 24 V UC | 1 CO contact | AgSnO | PUSH IN | 10 | 2855810000 |
| TRP 24-230VUC 1CO AGSNO ED2 PB | 24 - 230 V UC | 1 CO contact | AgSnO | PUSH IN | 10 | 2855910000 |
| TRP 24VDC 1CO AGSNO AU PB | 24 V DC | 1 CO contact | AgSnO + Au | PUSH IN | 10 | 2855830000 |
| TRP 24VUC 1CO AGSNO AU PB | 24 V UC | 1 CO contact | AgSnO + Au | PUSH IN | 10 | 2855820000 |
| TRP 24-230VUC 1CO AGSNO AU ED2 PB | 24 - 230 V UC | 1 CO contact | AgSnO + Au | PUSH IN | 10 | 2855900000 |
| TRP 24VDC ACT PB | 24 V DC | 1 NO contact | AgSnO | PUSH IN | 10 | 2855840000 |
| TRS 24VDC 1CO AGSNO PB | 24 V DC | 1 CO contact | AgSnO | Screw connection | 10 | 2855870000 |
| TRS 24VUC 1CO AGSNO PB | 24 V UC | 1 CO contact | AgSnO | Screw connection | 10 | 2855890000 |
| TRS 24-230VUC 1CO AGSNO ED2 PB | 24 - 230 V UC | 1 CO contact | AgSnO | Screw connection | 10 | 2855930000 |
| TRS 24VDC 1CO AGSNO AU PB | 24 V DC | 1 CO contact | AgSnO + Au | Screw connection | 10 | 2855860000 |
| TRS 24VUC 1CO AGSNO AU PB | 24 V UC | 1 CO contact | AgSnO + Au | Screw connection | 10 | 2855880000 |
| TRS 24-230VUC 1CO AGSNO AU ED2 PB | 24 - 230 V UC | 1 CO contact | AgSnO + Au | Screw connection | 10 | 2855920000 |
| TRS 24VDC ACT PB | 24 V DC | 1 NO contact | AgSnO | Screw connection | 10 | 2855850000 |

TERMSERIES relay modules with test button

12.8 mm width

Technical data

Input

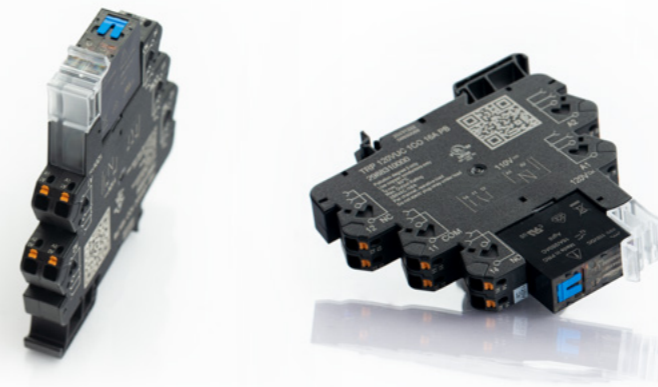
- Rated control voltage: 24 V DC, 24 V UC, 120 V UC, 230 V UC, 24-230 V UC

Output

- Contact type: 1 CO contact, 2 CO contact
- Contact material: AgNi, hard gold plated contacts
- Continuous current: 1 CO: 16 A; 2 CO: 8 A

General Data

- Lockable test button
- Status displays: LED green
- Dimensions (W x H x D): 12,8 x 89,6 x 97,5 mm
- Temperature range: -40 °C to 60 °C
- Version: Relay module
- Connection: PUSH IN/Screw connection



| Type | Rated control voltage | Contact type | Contact material | Connection | Qty | Order No. |
|------------------------------|-----------------------|--------------|------------------|------------------|-----|------------|
| TRP 24VDC 1CO 16A PB | 24 V DC ±20 % | 1 CO contact | AgNi | PUSH IN | 10 | 2988280000 |
| TRS 24VUC 1CO 16A PB | 24 V UC ±20 % | 1 CO contact | AgNi | Screw connection | 10 | 2988390000 |
| TRP 24VUC 1CO 16A PB | 24 V UC ±10 % | 1 CO contact | AgNi | PUSH IN | 10 | 2988300000 |
| TRS 24VUC 1CO 16A PB | 24 V UC ±10 % | 1 CO contact | AgNi | Screw connection | 10 | 2988400000 |
| TRP 120VUC 1CO 16A PB | 120 V UC ±10 % | 1 CO contact | AgNi | PUSH IN | 10 | 2988310000 |
| TRS 120VUC 1CO 16A PB | 120 V UC ±10 % | 1 CO contact | AgNi | Screw connection | 10 | 2988410000 |
| TRP 230VUC 1CO 16A PB | 230 V UC ±5 % | 1 CO contact | AgNi | PUSH IN | 10 | 2988320000 |
| TRS 230VUC 1CO 16A PB | 230 V UC ±5 % | 1 CO contact | AgNi | Screw connection | 10 | 2988420000 |
| TRP 24-230VUC 1CO 16A ED2 PB | 24..230 V UC ±10 % | 1 CO contact | AgNi | PUSH IN | 10 | 2988330000 |
| TRS 24-230VUC 1CO 16A ED2 PB | 24..230 V UC ±10 % | 1 CO contact | AgNi | Screw connection | 10 | 2988430000 |
| TRP 24VDC 2CO PB | 24 V DC ±20 % | 2 CO contact | AgNi | PUSH IN | 10 | 2988340000 |
| TRS 24VDC 2CO PB | 24 V DC ±20 % | 2 CO contact | AgNi | Screw connection | 10 | 2988440000 |
| TRP 24VUC 2CO PB | 24 V UC ±10 % | 2 CO contact | AgNi | PUSH IN | 10 | 2988350000 |
| TRS 24VUC 2CO PB | 24 V UC ±10 % | 2 CO contact | AgNi | Screw connection | 10 | 2988450000 |
| TRP 120VUC 2CO PB | 120 V UC ±10 % | 2 CO contact | AgNi | PUSH IN | 10 | 2988360000 |
| TRS 120VUC 2CO PB | 120 V UC ±10 % | 2 CO contact | AgNi | Screw connection | 10 | 2988460000 |
| TRP 230VUC 2CO PB | 230 V UC ±5 % | 2 CO contact | AgNi | PUSH IN | 10 | 2988370000 |
| TRS 230VUC 2CO PB | 230 V UC ±5 % | 2 CO contact | AgNi | Screw connection | 10 | 2988470000 |
| TRP 24-230VUC 2CO ED2 PB | 24..230 V UC ±10 % | 2 CO contact | AgNi | PUSH IN | 10 | 2988380000 |
| TRS 24-230VUC 2CO ED2 PB | 24..230 V UC ±10 % | 2 CO contact | AgNi | Screw connection | 10 | 2988480000 |

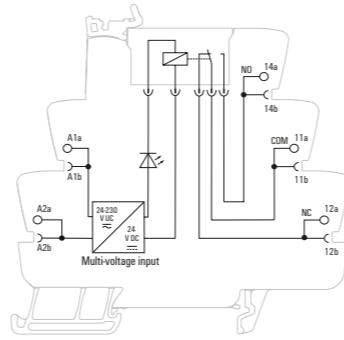
Unique multi-voltage input

Always optimally adapted to your automation

Relay modules with universal input voltage range for all power systems

Relay modules are used in many industries and applications for isolation and amplification. However, due to the different mains voltages worldwide, cabinet manufacturers must have many different relays for different input voltages in stock.

The unique multi-voltage input of the TERMSERIES significantly reduces the number of required variants. The wide range input voltage between 24 and 230 V UC enables worldwide use in a wide variety of power systems. TERMSERIES relay modules with multi-voltage input can be used in plant construction as well as for retrofit solutions and are always perfectly adapted to the respective automation solution.



Your special advantages:

- Combined multi-voltage input from 24 to 230 V AC and DC in only one module
- Available with proven screw connection and convenient PUSH IN connection
- Continuous operation at up to 60 °C ambient temperature in dense packing

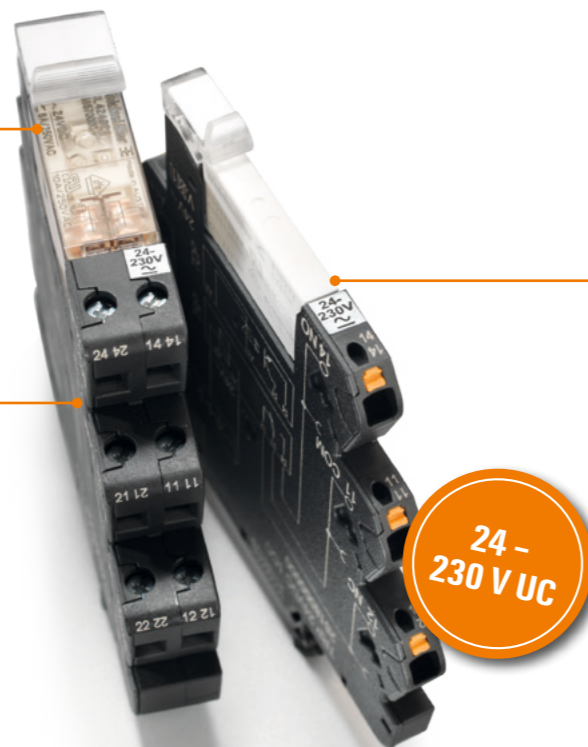


Compact design

Due to their small width, the modules fit on any mounting rail – and provide more space in the control cabinet.

Easy to install

Optional PUSH IN connection technology significantly reduces installation times.



Wide temperature range

TERMSERIES relay modules operate over a wide temperature range and are suitable for continuous operation at ambient temperatures of up to 60 °C.

| Type | Contact version | Rated control voltage | Rated switching voltage | Continuous current | Connection technology | Qts | Order No. |
|-----------------------------|-----------------|-----------------------|-------------------------|--------------------|-----------------------|-----|------------|
| TRP 24-230VUC 1CO ED2 | 1 CO contact | 24 - 230 V UC | 250 V AC | 6 A | PUSH IN | 10 | 2663010000 |
| TRP 24-230VUC 1CO AU ED2 | 1 CO contact | 24 - 230 V UC | 250 V AC | 6 A | PUSH IN | 10 | 2663020000 |
| TRP 24-230VUC 1CO AGSNO ED2 | 1 CO contact | 24 - 230 V UC | 250 V AC | 6 A | PUSH IN | 10 | 2663160000 |
| TRP 24-230VUC 1CO EMPTY ED2 | 1 CO contact | 24 - 230 V UC | 250 V AC | | PUSH IN | 10 | 2663030000 |
| TRP 24-230VUC 1CO 16A ED2 | 1 CO contact | 24 - 230 V UC | 250 V AC | 16 A | PUSH IN | 10 | 2663120000 |
| TRP 24-230VUC 1NO HC ED2 | 1 NO contact | 24 - 230 V UC | 250 V AC | 16 A | PUSH IN | 10 | 2663130000 |
| TRP 24-230VUC 1NO HCP ED2 | 1 NO contact | 24 - 230 V UC | 250 V AC | 16 A | PUSH IN | 10 | 2663140000 |
| TRP 24-230VUC 2CO ED2 | 2 CO contact | 24 - 230 V UC | 250 V AC | 8 A | PUSH IN | 10 | 2663040000 |
| TRP 24-230VUC 2CO AU ED2 | 2 CO contact | 24 - 230 V UC | 250 V AC | 8 A | PUSH IN | 10 | 2663050000 |
| TRP 24-230VUC 2CO EMPTY ED2 | 2 CO contact | 24 - 230 V UC | 250 V AC | 8 A | PUSH IN | 10 | 2663060000 |
| TOP 24-230VUC 48VDC0,1A ED2 | 1 NO contact *1 | 24 - 230 V UC | 48 V DC | 0,1 A | PUSH IN | 10 | 2663070000 |
| TOP 24-230VUC 24VDC2A ED2 | 1 NO contact *2 | 24 - 230 V UC | 24 V DC | 2 A | PUSH IN | 10 | 2663080000 |
| TOP 24-230VUC 230VAC1A ED2 | 1 NO contact *3 | 24 - 230 V UC | 230 V AC | 1 A | PUSH IN | 10 | 2663090000 |
| TOP 24-230VUC 24VDC5A ED2 | 1 NO contact *2 | 24 - 230 V UC | 24 V DC | 5A | PUSH IN | 10 | 2663150000 |
| TOP 24-230VUC EMPTY ED2 | | 24 - 230 V UC | 250 V AC | | PUSH IN | 10 | 2663110000 |
| TRS 24-230VUC 1CO ED2 | 1 CO contact | 24 - 230 V UC | 250 V AC | 6 A | Screw connection | 10 | 2662850000 |
| TRS 24-230VUC 1CO AU ED2 | 1 CO contact | 24 - 230 V UC | 250 V AC | 6 A | Screw connection | 10 | 2662860000 |
| TRS 24-230VUC 1CO AGSNO ED2 | 1 CO contact | 24 - 230 V UC | 250 V AC | 6 A | Screw connection | 10 | 2663000000 |
| TRS 24-230VUC 1CO EMPTY ED2 | 1 CO contact | 24 - 230 V UC | 250 V AC | | Screw connection | 10 | 2662870000 |
| TRS 24-230VUC 1CO 16A ED2 | 1 CO contact | 24 - 230 V UC | 250 V AC | 16 A | Screw connection | 10 | 2662960000 |
| TRS 24-230VUC 1NO HC ED2 | 1 NO contact | 24 - 230 V UC | 250 V AC | 16 A | Screw connection | 10 | 2662970000 |
| TRS 24-230VUC 1NO HCP ED2 | 1 NO contact | 24 - 230 V UC | 250 V AC | 16 A | Screw connection | 10 | 2662980000 |
| TRS 24-230VUC 2CO ED2 | 2 CO contact | 24 - 230 V UC | 250 V AC | 8 A | Screw connection | 10 | 2662880000 |
| TRS 24-230VUC 2CO AU ED2 | 2 CO contact | 24 - 230 V UC | 250 V AC | 8 A | Screw connection | 10 | 2662890000 |
| TRS 24-230VUC 2CO EMPTY ED2 | 2 CO contact | 24 - 230 V UC | 250 V AC | 8 A | Screw connection | 10 | 2662900000 |
| TOS 24-230VUC 48VDC0,1A ED2 | 1 NO contact *1 | 24 - 230 V UC | 48 V DC | 0,1 A | Screw connection | 10 | 2662910000 |
| TOS 24-230VUC 24VDC2A ED2 | 1 NO contact *2 | 24 - 230 V UC | 24 V DC | 2 A | Screw connection | 10 | 2662920000 |
| TOS 24-230VUC 230VAC1A ED2 | 1 NO contact *3 | 24 - 230 V UC | 230 V AC | 1 A | Screw connection | 10 | 2662930000 |
| TOS 24-230VUC 24VDC5A ED2 | 1 NO contact *2 | 24 - 230 V UC | 24 V DC | 5A | Screw connection | 10 | 2662990000 |
| TOS 24-230VUC EMPTY ED2 | | 24 - 230 V UC | 250 V AC | | Screw connection | 10 | 2662950000 |

*1 (Bipolar transistor)

*2 (MOS-FET)

*3 (zero-voltage switching)

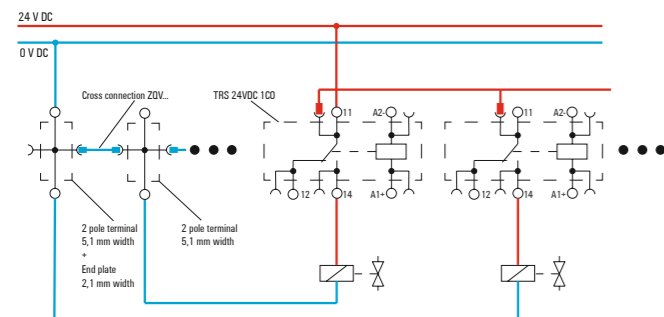
Actor variant TERMSERIES

With the TERMSERIES actor variant, supply and return wires can be connected directly to the relay module. This avoids the need for additional terminal blocks and significantly reduces wiring time. Time-intensive and complex single-core wiring is saved.

TERMSERIES interface adapter and cross-connections make wiring even more efficient.

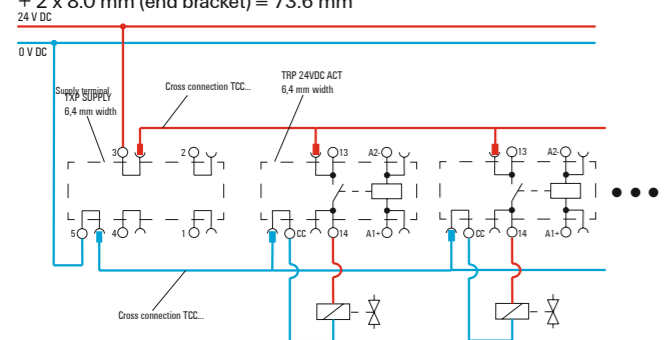
Space requirement for an 8-channel system with a standard TERMSERIES 1CO relay

Example of output wiring to show the difference in eight loads to be wired:
Result width = 8 x 5.1 mm (2-pole terminal block) + 1 x 2.1 mm (end plate) + 8 x 6.4 mm (TRP 24VDC 1CO) + 3 x 8.0 mm (end bracket) = 118.1 mm



Space requirement for an 8-channel system with TERMSERIES ACT version relays and power supply terminals

Example of wiring the outputs to illustrate the difference in eight loads to be wired loads to be wired: Result width = 1 x 6.4 mm (TRP SUPPLY) + 8 x 6.4 mm (TRP 24VDC ACT) + 2 x 8.0 mm (end bracket) = 73.6 mm

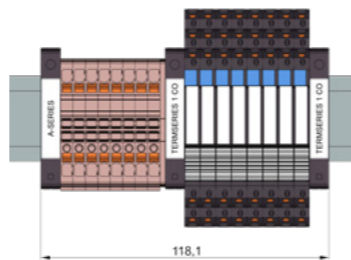


| Type | Version | Rated control voltage | Rated switching voltage | Continuous current | Connection technology | Qts | Order No. |
|---------------|-------------------|-----------------------|-------------------------|--------------------|-----------------------|-----|------------|
| TRP 24VDC ACT | Relay | 24 V DC +/-20% | 250 V AC | 6 A | PUSH IN | 10 | 2618230000 |
| TRS 24VDC ACT | Relay | 24 V DC +/-20% | 250 V AC | 6 A | Screw | 10 | 1381900000 |
| TRZ 24VDC ACT | Relay | 24 V DC +/-20% | 250 V AC | 6 A | Tension clamp | 10 | 1391670000 |
| TDP 24VDC ACT | Solid-state relay | 24 V DC +/-20% | 3...33 V DC | 2 A | PUSH IN | 10 | 2618750000 |
| TDS 24VDC ACT | Solid-state relay | 24 V DC +/-20% | 3...33 V DC | 2 A | Screw | 10 | 1391680000 |
| TOZ 24VDC ACT | Solid-state relay | 24 V DC +/-20% | 3...33 V DC | 2 A | Tension clamp | 10 | 1391690000 |

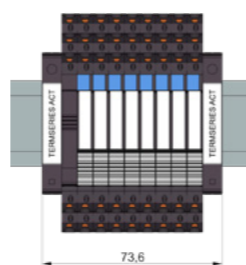
Your special advantages:

- Direct connection of the load return to the CC contact using the actuator variant
- Efficient connection to the the system wiring through TERMSERIES interface adapter

Space requirement top view*



Space requirement top view*



*Image created with the Weidmüller Configurator programme

RC-Filter

Reliable switch-off for long cable lengths / leakage currents

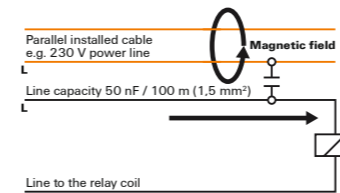
Due to the parallel connection, the coupled leakage current collapses and is no longer sufficient to hold the relay. This problem occurs with 120V and 230V relays due to low holding current or high coil resistance.

Interference on control lines of relays (e.g. by parallel power lines) produce noise voltage. When the power of the noise voltage is above of the release voltage of the relay, the relay does not de-energise safe.

In protective circuits of AC output cards leakage currents can occur in the off state. The relay does not de-energise safe when the leakage current has sufficient power.

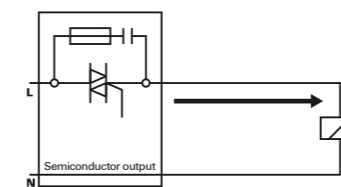
Great events often come from little causes: The variants with 120 / 230 VAC input have a standard built-in RC-filter. This provides a compensation of noise voltage and leakage currents by an additional current consumption

Problem: Long cables



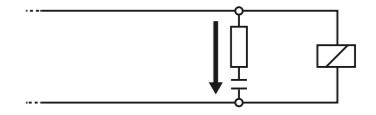
Inductive or capacitive couplings: noise voltage > release voltage = relay does not de-energise

Problem: Leakage current from control output



Output cards of control systems and control modules: leakage current > relay holding current = relay does not de-energise

Solution: RC-Filter parallel to coil



TERMSERIES relays reliably de-energise – Always!

| Type | Contact version | Rated control voltage | Contact material | Continuous current | Connection technology | Qts | Order No. |
|-------------------------|-----------------|-----------------------|------------------|--------------------|-----------------------|-----|------------|
| TRP 120VAC RC 1CO 16A | 1 CO contact | 120VAC | AgNi | 16 A | PUSH IN | 10 | 2618270000 |
| TRP 230VAC RC 1CO 16A | 1 CO contact | 230VAC | AgNi | 16 A | PUSH IN | 10 | 2618190000 |
| TRS 120VAC RC 1CO 16A | 1 CO contact | 120VAC | AgNi | 16 A | Screw connection | 10 | 1479750000 |
| TRS 230VAC RC 1CO 16A | 1 CO contact | 230VAC | AgNi | 16 A | Screw connection | 10 | 1479760000 |
| TRP 120VAC RC 1CO | 1 CO contact | 120VAC | AgNi | 6 A | PUSH IN | 10 | 2618150000 |
| TRP 230VAC RC 1CO | 1 CO contact | 230VAC | AgNi | 6 A | PUSH IN | 10 | 2618200000 |
| TRS 120VAC RC 1CO | 1 CO contact | 120VAC | AgNi | 6 A | Screw connection | 10 | 1122830000 |
| TRS 230VAC RC 1CO | 1 CO contact | 230VAC | AgNi | 6 A | Screw connection | 10 | 1122840000 |
| TRS 120VACRC 1CO C1D2 | 1 CO contact | 120VAC | AgNi | 6 A | Screw connection | 10 | 1984590000 |
| TRS 230VACRC 1CO C1D2 | 1 CO contact | 230VAC | AgNi | 6 A | Screw connection | 10 | 1984600000 |
| TRP 120VAC RC 1CO AGSNO | 1 CO contact | 120VAC | AgSnO | 6 A | PUSH IN | 10 | 2617840000 |
| TRP 230VAC RC 1CO AGSNO | 1 CO contact | 230VAC | AgSnO | 6 A | PUSH IN | 10 | 2617850000 |
| TRS 120VAC RC 1CO AGSNO | 1 CO contact | 120VAC | AgSnO | 6 A | Screw connection | 10 | 2152900000 |
| TRS 230VAC RC 1CO AGSNO | 1 CO contact | 230VAC | AgSnO | 6 A | Screw connection | 10 | 2152920000 |
| TRP 120VAC RC 1CO AU | 1 CO contact | 120VAC | AgNi + AU | 6 A | PUSH IN | 10 | 2618030000 |
| TRP 230VAC RC 1CO AU | 1 CO contact | 230VAC | AgNi + AU | 6 A | PUSH IN | 10 | 2617950000 |
| TRS 120VAC RC 1CO AU | 1 CO contact | 120VAC | AgNi + AU | 6 A | Screw connection | 10 | 1123070000 |
| TRS 230VAC RC 1CO AU | 1 CO contact | 230VAC | AgNi + AU | 6 A | Screw connection | 10 | 1123080000 |
| TRS 120VACRC 1COAU C1D2 | 1 CO contact | 120VAC | AgNi + AU | 6 A | Screw connection | 10 | 1984640000 |
| TRP 120VAC RC 2CO | 2 CO contact | 120VAC | AgNi | 8 A | PUSH IN | 10 | 2618470000 |
| TRP 230VAC RC 2CO | 2 CO contact | 230VAC | AgNi | 8 A | PUSH IN | 10 | 2618330000 |
| TRS 120VAC RC 2CO | 2 CO contact | 120VAC | AgNi | 8 A | Screw connection | 10 | 1123550000 |
| TRS 230VAC RC 2CO | 2 CO contact | 230VAC | AgNi | 8 A | Screw connection | 10 | 1123570000 |
| TRP 120VAC RC 2CO AU | 2 CO contact | 120VAC | AgNi + AU | 8 A | PUSH IN | 10 | 2618490000 |
| TRP 230VAC RC 2CO AU | 2 CO contact | 230VAC | AgNi + AU | 8 A | PUSH IN | 10 | 2618500000 |
| TRS 120VAC RC 2CO AU | 2 CO contact | 120VAC | AgNi + AU | 8 A | Screw connection | 10 | 1123800000 |
| TRS 230VAC RC 2CO AU | 2 CO contact | 230VAC | AgNi + AU | 8 A | Screw connection | 10 | 1123810000 |

TERMSERIES TIMER

Adjust control signals even more easily

TERMSERIES timing relay with additional functions

Timing relays are used in automation technology to high offset errors from cycle rates. Short pulses are extended and reliably detected by downstream control components. For this task, TERMSERIES timing relays were specially designed.

To increase the advantage of our TERMSERIES, we have implemented timing functions. The DIP switches on the side conveniently set the timing functions and time ranges. A Duo-LED on the ejection lever indicates the respective switching status. By providing extensive accessories in TERMSERIES, we guarantee high flexibility and enable easy integration into existing systems.



Your special advantages:

- Duo-LED on the ejection lever
- Empty sockets for solid-state relays and mechanical relays
- Simple setting of the timing functions and time ranges

Technical data

Input

- Rated control voltage: 24 V DC

Output

- Contact type: 1 CO contact
- Continuous current: 6 A

General Data

- 6 mm slim design
- Status displays:
 - Duo-LED orange:
 - Lights permanently when relay closed
 - Duo-LED green:
 - Lights permanently when supply voltage is applied
 - Flashes in case of incorrect configuration, no function
- Dimensions (W x H x D): 6.4 x 90 x 88 mm
- Temperature range: -20 °C to 60 °C
- Connection: PUSH IN/Screw connection
- Version: Relay modul/Empty socket

Time ranges

0.01 s - 0.1 s, 0.1 s - 1 s, 1 s - 10 s, 10 s - 100 s

Example: DIP switch adjustment for a on delay of 0.7 s

| Function | DIP switch | | | | | | | |
|-----------------------|------------|---|---|---|---|---|---|---|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| Mode = On Delay | | | | | | | | |
| Time range = 0.1...1s | | | | | | | | |
| Time factor = 0.7 | ■ | ■ | | ■ | | ■ | ■ | |

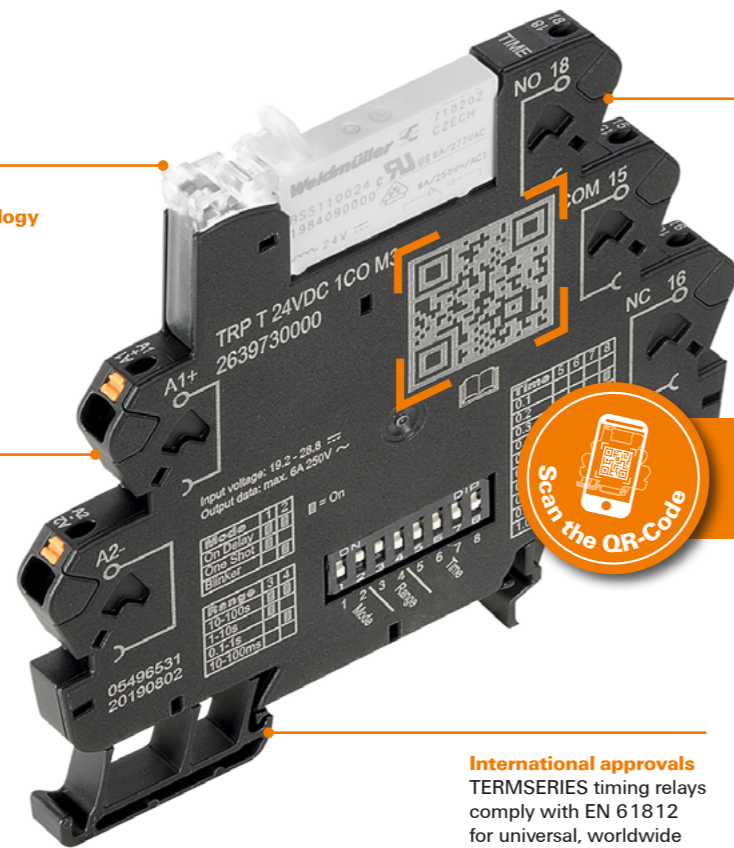
■ = ON (DIP switch position)

| Type | Connection | Continuous current | Version | Qty | Order No. |
|--------------------------|------------|--------------------|--------------|-----|------------|
| TRP T 24VDC 1CO M3 | PUSH IN | 6 A | Relay modul | 10 | 2639730000 |
| TRS T 24VDC 1CO M3 | Screw | 6 A | Relay modul | 10 | 2639560000 |
| TRP T 24VDC 1CO M3 EMPTY | PUSH IN | 10 A | Empty socket | 10 | 2639740000 |
| TRS T 24VDC 1CO M3 EMPTY | Screw | 10 A | Empty socket | 10 | 2639720000 |

Available with screw- and PUSH IN-connection technology

Clear display

Due to the integrated Duo-LED on the ejection lever, power supply and switching status can be checked at a glance.



Comfortable adjustment

Timing function and time ranges are set easily via the DIP switches on the side.



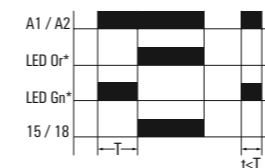
Scan the QR-Code on the TERMSERIES TIMER and you can access the product directly in our online catalogue.

International approvals

TERMSERIES timing relays comply with EN 61812 for universal, worldwide application.

Timing functions

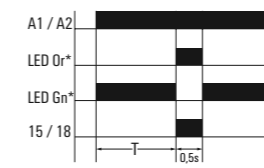
On Delay



On Delay

When the supply voltage A1/A2 is applied, the set time T begins to run. When the time has passed, the output relay 15/18 switches into on-position. This state remains active until the supply voltage is interrupted. If the supply voltage is interrupted before time T has passed, the already run time is deleted and restarted with the next application of supply voltage.

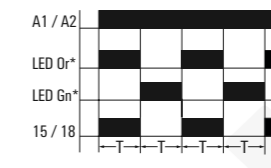
One Shot



One Shot

When the supply voltage A1/A2 is applied, the set time T runs. After the time T has passed, the output relay 15/18 switches into on-position for 0.5 s. After 0.5 s the output relay switches into off-position. The time function is not restarted until the next time the supply voltage is applied.

Blinker



Blinker

When the supply voltage A1/A2 is applied, the output relay 15/18 switches into on-position. After the set pulse time T has passed, the output relay switches into off-position. After the pause time T has passed, the output relay switches into on-position again. The output relay is activated for the set time until the supply voltage is interrupted. (T=pulse time-pause time)

T = Time factor x Time range (final value)
 | *LED Or = LED Orange
 | *LED Gn = LED Green



Visit our website for more information

TERMSERIES FG

Proven monitoring of signal switching status

Relays with forcibly guided contacts are proven components in functional safety. Due to the forced guidance of the contacts, our relay modules of the TERMSERIES are predestined for safe signal monitoring in many applications.

The switching function of the relays is clearly indicated by an illuminated eject lever with an integrated receptacle for markers. High flexibility and easy integration into existing systems is ensured by using accessories from the TERMSERIES.



Your special advantages:

- The use of relays with forcibly guided contacts according to EN 61810-3 ensures the monitoring of signals for opening failure
- Thanks to the screw or PUSH IN connection, all connection requirements are met

Diagnostic coverage of 99%

Proven component
The positive guidance ensures a synchronous switching status at both contacts and achieves a diagnostic coverage of 99%. This ensures that the signalling contact maintains the same switching status in the event of an error.



Ejection lever with integrated marker channels
The ejection lever allows quick replacement of the plugged relays and has an integrated holder for Weidmüller markers.

International approvals
The „cULus listed” certification meets the requirements for the North American market.

Technical data

Input

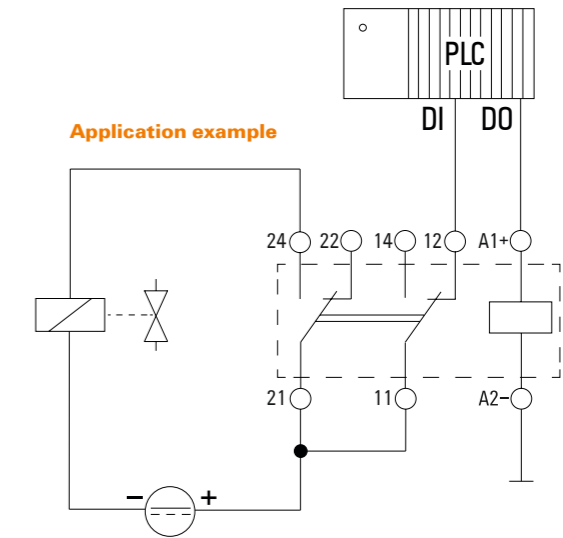
- Rated control voltage: 24 V UC

Output

- Contact type: 2 CO contact forcibly guided (EN 61810-3 Typ B) AgNi
- Continuous current: 6 A

General Data

- 12.8 mm slim design
- Status displays: LED green
- Dimensions (W x H x D): 12.8 x 97.5 x 88 mm
- Temperature range: -25 °C to 60 °C



| Type | Connection | Version | Qty | Order No. |
|------------------|------------|-------------|-----|------------|
| TRP 24VUC 2CO FG | PUSH IN | Relay modul | 5 | 2706430000 |
| TRS 24VUC 2CO FG | Screw | Relay modul | 5 | 2706290000 |



With the forcibly guided contacts of the used relay we address the segments machinery, signaling for railway, wind power and elevators / escalators.



Visit our website for more information

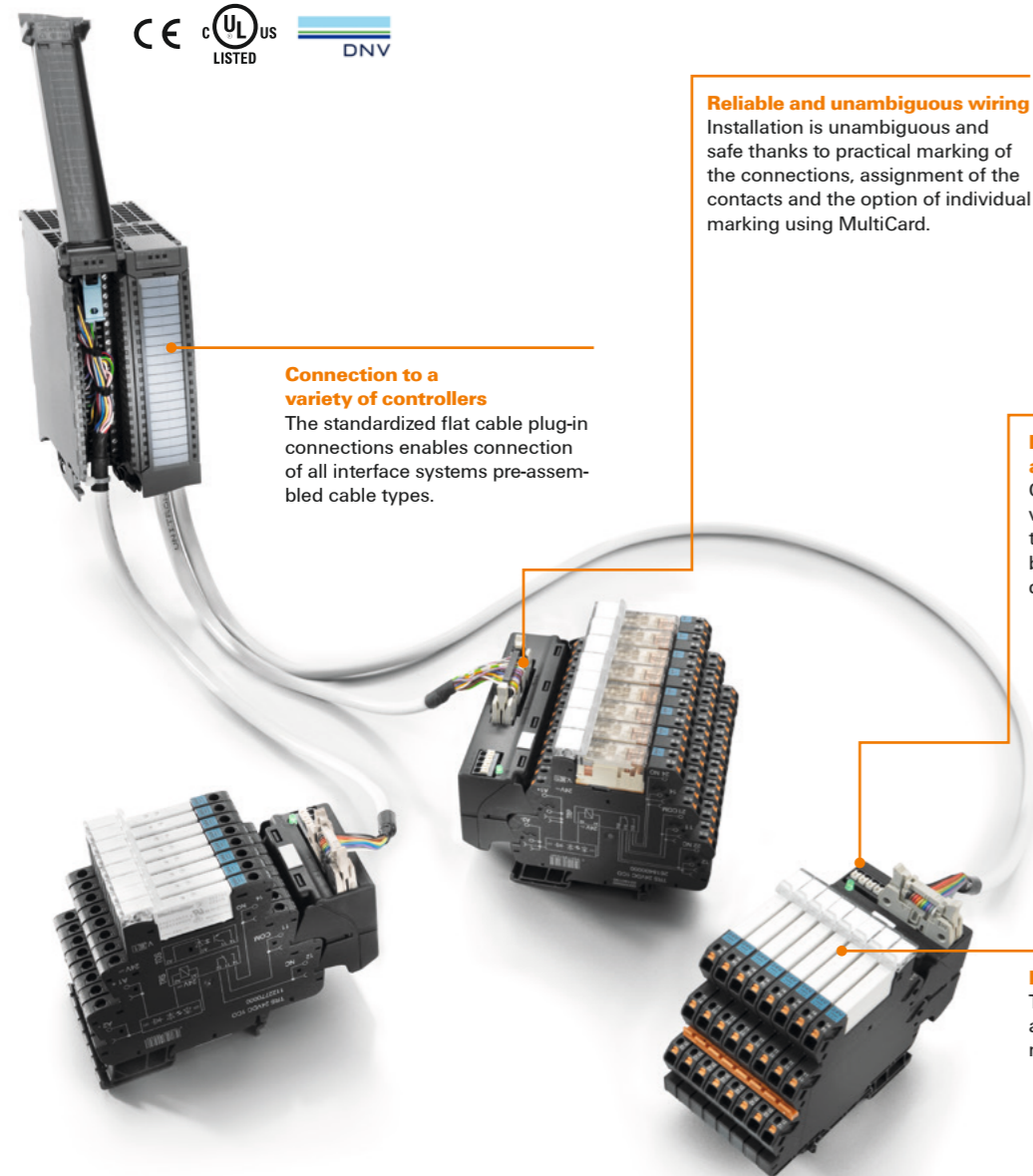


TERMSERIES interface adapter

Faster signal wiring with less space

Our adapter for TERMSERIES Relays reduces wiring times per plug-and-play

To reduce wiring times, pre-assembled cables are used between the control system and the interface level and are simply connected to the TERMSERIES adapter. This enables throughput times in electrical cabinet building to be significantly reduced. The adapter has a universal fit and offers a genuine space advantage in interaction with the TERMSERIES products with identical contours.



Reliable and unambiguous wiring
Installation is unambiguous and safe thanks to practical marking of the connections, assignment of the contacts and the option of individual marking using MultiCard.

Connection to a variety of controllers
The standardized flat cable plug-in connections enables connection of all interface systems pre-assembled cable types.

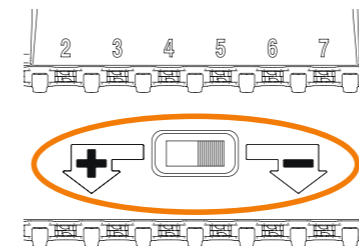
Fast supply and bridging of the auxiliary voltage
Quick and safe supply of the auxiliary voltage as a result of the TOP connection with „PUSH IN“ technology. Simple bridging is also possible thanks to duplication of the connections.

Both types of logic with one device
The potential switch for the lower level allows to use the adapter for plus and minus switching logic.

One-size-fits-all – Only one version for all types of applications

Thanks to its symmetrical structure, the adapter can be connected to both TERMSERIES coil and contact connections. The use of positive- and negative-switching logic is also possible for the lower level thanks to the potential changeover switch (1).

Potential change-over switch



The potential change-over switch is located between contact rows of the TERMSERIES adaptor. It is used to switch the potential of the lower contact row to "+" or "-" potential of the supply voltage.

Installation – Input/Output

Installation input

Figure 1a: Positive-switching logic: Potential change-over switch to "-", installation on 24 V DC input (A1/A2).

Figure 1b: Negative-switching logic: Potential change-over switch to "+", installation on 24 V UC input (A1/A2).

Installation output

Figure 2a: Positive-switching logic: Potential change-over switch to "+", installation on output (11/14).

Figure 2b: Negative-switching logic: Potential change-over switch to "-", installation on output (11/14).



Visit our website for more information

| Type | Plug type | Signals / Width of sockets | Qty | Order No. |
|--------------|--------------------|----------------------------|-----|------------|
| TIA F10 | 10-pole flat cable | 8 / 6.4 mm | 1 | 1463520000 |
| TIA SUBD 15S | 15-pole SUB-D | 8 / 6.4 mm | 1 | 1463530000 |
| TIAL F10 | 10-pole flat cable | 8 / 12.8 mm | 1 | 1463540000 |
| TIAL F20 | 20-pole flat cable | 16 / 6.4 mm | 1 | 1463550000 |

Select contact materials suitable for the application

Information of various contact materials

Relay modules are used in a wide variety of industrial areas and environments. The relays must therefore be adapted to the various tasks by selecting suitable contact materials. The following applies: the load capacity of the contacts for voltage, current, and power depends essentially on the material used. To make the selection easier for you, we have compared the most important characteristics of the contact materials.

Criteria for the selection of the contact material:

- Welding tendency
- Burn-off resistance
- Contact resistance
- Material migration
- Resistance to harmful gas atmospheres



Please obtain information when selecting a relay in this table:

| Material | Characteristics | Application |
|--|---|--|
| AgNi Silver-nickel | <ul style="list-style-type: none"> • Higher welding tendency than AgSnO and AgCdO • High burn-off resistance • Lower contact resistance than AgSnO and AgCdO • Mean material migration • Low resistance to harmful gas atmospheres | <ul style="list-style-type: none"> • Suitable for low to high resistive and low inductive loads (solenoid valves, fans, heaters) • Standard contact material for a variety of relays • Limited suitable for high inrush currents • Suitable for loads > 12 V/10 mA or 5 V/100 mA |
| AgNi Au Silver-nickel hard gold plated | <ul style="list-style-type: none"> • Very low resistance to burn-off • Lowest contact resistance • High resistance to harmful gas atmospheres | <ul style="list-style-type: none"> • Suitable for decoupling control inputs and other small resistive loads • Suitable for loads > 1 V/1 mA and < 30 V/10 mA • After switching loads > 30 V/100 mA, small powers can no longer be switched reliably because the hard gold plating has been burned-off. Only the characteristics of the base contact material AgNi still apply. |
| AgSnO Silver-Tin-Oxide | <ul style="list-style-type: none"> • Lower welding tendency than AgNi und AgCdO • High resistance to burn-off • Average contact resistance • Lower material migration than AgNi and AgCdO • Very low resistance to harmful gas atmospheres | <ul style="list-style-type: none"> • Suitable for medium to high resistive DC-loads and low up to medium inductive DC loads due to low material migration. Thanks to the low tendency to weld, it is also well suited for loads with higher inrush currents such as lamp loads, light capacitive loads, fluorescent tubes, etc. • Suitable for loads > 12 V/100 mA |
| HC Variants W Tungsten | <ul style="list-style-type: none"> • Lowest welding tendency • Very high resistance to burn-off • Highest contact resistance • Low material migration | <ul style="list-style-type: none"> • Suitable for loads with very high inrush currents of up to 165 A/20 ms or 800 A/200 µs (e.g. lamp loads, capacitive loads, fluorescent tubes, switched-mode power supplies etc.) • Often used as a pre-making contact in parallel to AgSnO contacts |
| HCP Variants | | |

Simple and comfortable cross-connection of compact relay modules

Adaptable cross-connection for the TERMSERIES

Relay modules are used in different industries and applications for isolating and amplifying loads. With the trend towards compact design, slim relays from the TERMSERIES are used, which require a cross-connection option.

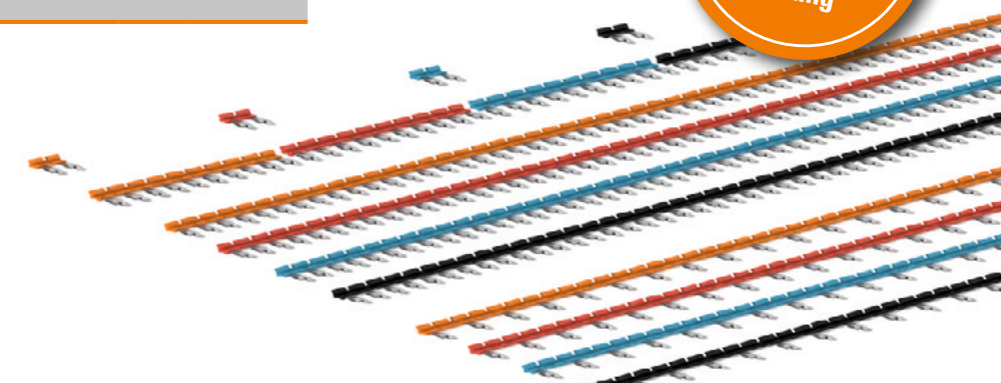
With the TERMSERIES CROSS-CONNECTION, we offer more flexibility with regard to the number of poles that can be adapted to the application. The strip material with 51 poles can be shortened as required, which considerably reduces the resulting waste. The maximum number of pluggable poles has been increased to 32 poles. An additional bar in the spring avoids unwanted deformations during the assembly process.

The cross-connection impress with their easy handling, good visibility and universal interconnection possibilities – also via partitions plates. Even PUSH IN, screw and tension clamp variants can be cross-connected to each other.

Your special advantages:

- Individually adjustable cross-connection with 51 poles
- Extended cross-connection possibility up to 32 poles
- An additional bar also supports gripping and mounting without having to reach for the contacts and avoid deformation of the spring
- Shortening of the cross-connection to the required length allowed by notches between the poles, is very simple
- Rated current 17 A

| Type | Colour | No. of poles | Pitch | Qty | Order No. |
|----------------|--------|--------------|---------|-----|------------|
| TCC 6.4/2 BL | ● | 2 | 6.4 mm | 10 | 2556430000 |
| TCC 6.4/2 OR | ● | 2 | 6.4 mm | 10 | 2556350000 |
| TCC 6.4/2 RD | ● | 2 | 6.4 mm | 10 | 2556390000 |
| TCC 6.4/2 BK | ● | 2 | 6.4 mm | 10 | 2556470000 |
| TCC 6.4/10 BL | ● | 10 | 6.4 mm | 10 | 2556440000 |
| TCC 6.4/10 OR | ● | 10 | 6.4 mm | 10 | 2556360000 |
| TCC 6.4/10 RD | ● | 10 | 6.4 mm | 10 | 2556400000 |
| TCC 6.4/10 BK | ● | 10 | 6.4 mm | 10 | 2556480000 |
| TCC 6.4/51 BL | ● | 51 | 6.4 mm | 10 | 2556450000 |
| TCC 6.4/51 OR | ● | 51 | 6.4 mm | 10 | 2556370000 |
| TCC 6.4/51 RD | ● | 51 | 6.4 mm | 10 | 2556410000 |
| TCC 6.4/51 BK | ● | 51 | 6.4 mm | 10 | 2556490000 |
| TCC 12.8/26 BL | ● | 26 | 12.8 mm | 10 | 2556460000 |
| TCC 12.8/26 OR | ● | 26 | 12.8 mm | 10 | 2556380000 |
| TCC 12.8/26 RD | ● | 26 | 12.8 mm | 10 | 2556420000 |
| TCC 12.8/26 BK | ● | 26 | 12.8 mm | 10 | 2556500000 |



Visit our online catalogue for more information



To video TERMSERIES CROSS-CONNECTION

Partition plates and accessories

The ideal support for your daily work

Partition plates for safety and overview

A wide range of applications make the partition plate to a unique accessory: It is used to optical structuring of signals, electrically separate assemblies or labels for better monitoring of view.

In addition to our relay modules und solid-state relays we offer the accessories to help our customers get their work faster, easier and to be able to do it better.

Partitions plates

| Type | Additional note | Qty | Order No. |
|-----------------|------------------------------|-----|-----------|
| TW TXS/TXZ R3.2 | Partition plates grid 3.2 mm | 10 | 124080000 |

Supply Terminal

| Type | Connection | Additional note | Qty | Order No. |
|------------|---------------|-----------------|-----|------------|
| TXP SUPPLY | PUSH IN | 10 A | 10 | 2618940000 |
| TXS SUPPLY | Screw | 10 A | 10 | 1240780000 |
| TXZ SUPPLY | Tension clamp | 10 A | 10 | 1240790000 |

Markers

| Type | Additional note | Qty | Order No. |
|--------------------|--------------------|-----|------------|
| WS 10/6 M MC NE WS | For 6.4 mm socket | 600 | 1818400000 |
| WS 10/12 MC NE WS | For 12.8 mm socket | 300 | 1905970000 |

Screwdriver

| Type | Connection | Additional note | Qty | Order No. |
|---------------------|---------------|-----------------|-----|------------|
| SDS 0.4x2.0x60 | PUSH IN | uninsulated | 1 | 2749260000 |
| SDIS 0.4x2.0x60 | PUSH IN | VDE insulated | 1 | 2749780000 |
| SDK PH0 x 60 | Screw | uninsulated | 1 | 2749400000 |
| SDIK PH0 x 60 | Screw | VDE insulated | 1 | 2749880000 |
| SDS 0.6x3.5x100 | Screw/Tension | uninsulated | 1 | 2749340000 |
| SDIS SL 0.6x3.5x100 | Screw/Tension | VDE insulated | 1 | 2749610000 |

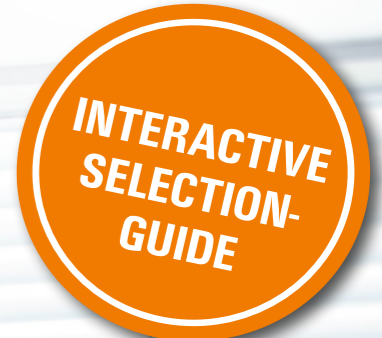
Your special advantages:

- Partition plates visually separates groups from each other
- Two partition plates ensure optimal labeling with markers WAD5 or WS10/5 and allows a continuous cross-connection
- Perforations for individual breaking out the cross-connection channels
- Partition plates isolates between two modules by increasing the clearance and creepage distances of up to 600 V



Switch to simple – with Klippon® Relay

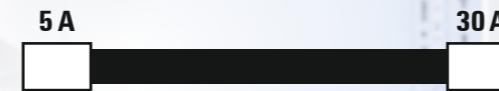
High-quality relays with unique all-round service



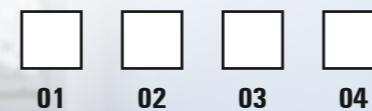
1. Load type



2. Switching current



3. Numbers of output channels



Visit our website for more information
www.weidmuller.com/switchtosimple

Special variants

C1D2



C1D2

| Output | | 1 NO contact | |
|---------|---|---|---------------------------|
| | | Contact material: AgNi | Contact material: AgNi Au |
| Screw* | Screw* | | |
| Input | | | |
| 12 V DC | TRS 12VDC 1CO C1D2 1984560000 | TRS 12VDC 1COAU C1D2 1984620000 | |
| 24 V DC | TRS 24VDC 1CO C1D2 1984570000 | TRS 24VDC 1COAU C1D2 1984630000 | |
| 24 V UC | TRS 24VUC 1CO C1D2 1984580000 | | |

*Qty 10

| Output | | 1 NO contact | |
|---------------|---|---|---------------------------|
| | | Contact material: AgNi | Contact material: AgNi Au |
| Screw* | Screw* | | |
| Input | | | |
| 120 V AC RC | TRS 120VACRC 1CO C1D2 1984590000 | TRS 120VACRC 1COAU C1D2 1984640000 | |
| 230 V AC RC | TRS 230VACRC 1CO C1D2 1984600000 | | |
| 24 - 230 V UC | TRS 24-230VUC 1CO C1D2 1984610000 | TRS 24-230VUC 1COAU C1D2 1984650000 | |

*Qty 10

Special variants

Application range



High Current - For inductive loads

| Output | | 1 CO contact - 16 A | | |
|-------------|---|---|---|--|
| | | Contact material: AgSnO | | |
| PUSH IN* | Screw* | Tension clamp* | | |
| Input | | | | |
| 24 V DC | TRP 24VDC 1NO HC 2618090000 | TRS 24VDC 1NO HC 1479780000 | TRZ 24VDC 1NO HC 1479940000 | |
| 24-230 V UC | TRP 24-230VUC 1NO HC ED2 2663130000 | TRS 24-230VUC 1NO HC ED2 2662970000 | TRZ 24-230VUC 1NO HC 1479950000 | |

*Qty 10



High Current Peak - For capacitive loads

| Output | | 1 CO contact - 16 A | | |
|-------------|--|--|--|--|
| | | Contact material: AgSnO2+W | | |
| PUSH IN* | Screw* | Tension clamp* | | |
| Input | | | | |
| 24 V DC | TRP 24VDC 1NO HCP 2617930000 | TRS 24VDC 1NO HCP 1479810000 | TRZ 24VDC 1NO HCP 1479970000 | |
| 24-230 V UC | TRP 24-230VUC 1NO HCP ED2 2663140000 | TRS 24-230VUC 1NO HCP ED2 2662980000 | TRZ 24-230VUC 1NO HCP 1479980000 | |

*Qty 10

Explanations to the contact materials you will find on Page 8



TERMSERIES Actor

| Output | | 1 CO contact | | |
|----------|------------------------------------|------------------------------------|------------------------------------|--|
| | | Contact material: AgNi | | |
| PUSH IN* | Screw* | Tension clamp* | | |
| Input | | | | |
| 24 V DC | TRP 24VDC ACT 2618230000 | TRS 24VDC ACT 1381900000 | TRZ 24VDC ACT 1391670000 | |

*Qty 10



TERMSERIES Actor

| Output | | 3 - 33 V DC - 2 A MOS-FET | | |
|----------|------------------------------------|------------------------------------|------------------------------------|--|
| PUSH IN* | Screw* | Tension clamp* | | |
| Input | | | | |
| 24 V DC | TOP 24VDC ACT 2618750000 | TOS 24VDC ACT 1391680000 | TOZ 24VDC ACT 1391690000 | |

*Qty 10

More information on page 7



TERMSERIES TIMER

| Output | | 1 NO contact | | |
|----------|---|---|--|--|
| | | Contact material: AgNi | | |
| PUSH IN* | Screw* | | | |
| Input | | | | |
| 24 V DC | TRP T 24VDC 1CO M3 2639730000 | TRS T 24VDC 1CO M3 2639560000 | | |

*Qty 10



TERMSERIES TIMER

| Output | | 1 NO contact Empty socket | | |
|----------|---|---|--|--|
| PUSH IN* | Screw* | | | |
| Input | | | | |
| 24 V DC | TRP T 24VDC 1CO M3 EMPTY 2639740000 | TRS T 24VDC 1CO M3 EMPTY 2639720000 | | |

*Qty 10

More information on page 12



TERMSERIES FG

| Output | | 2 NO contact | | |
|----------|---------------------------------------|---------------------------------------|--|--|
| | | Contact material: AgNi | | |
| PUSH IN* | Screw* | | | |
| Input | | | | |
| 24 V UC | TRP 24VUC 2CO FG 2706430000 | TRS 24VUC 2CO FG 2706290000 | | |

*Qty 5

More information on page 14

Relay modules

6 mm

Explanations for the contact materials you will find on page 8



| Output 1 CO contact - 6 A Contact material: AgNi | | | |
|---|--|--|--|
| | PUSH IN* | Screw* | Tension clamp* |
| Input | | | |
| 5 V DC | TRP 5VDC 1CO 2614830000 | TRS 5VDC 1CO 1122740000 | TRZ 5VDC 1CO 1122860000 |
| 12 V DC | TRP 12VDC 1CO 2618180000 | TRS 12VDC 1CO 1122750000 | TRZ 12VDC 1CO 1122870000 |
| 24 V DC | TRP 24VDC 1CO 2618000000 | TRS 24VDC 1CO 1122770000 | TRZ 24VDC 1CO 1122880000 |
| 24 V UC | TRP 24VUC 1CO 2618220000 | TRS 24VUC 1CO 1122780000 | TRZ 24VUC 1CO 1122890000 |
| 120 V AC RC | TRP 120VAC RC 1CO 2618150000 | TRS 120VAC RC 1CO 1122830000 | TRZ 120VAC RC 1CO 1122940000 |
| 120 V UC | TRP 120VUC 1CO 2618010000 | TRS 120VUC 1CO 1122810000 | TRZ 120VUC 1CO 1122920000 |
| 230 V AC RC | TRP 230VAC RC 1CO 2618200000 | TRS 230VAC RC 1CO 1122840000 | TRZ 230VAC RC 1CO 1122950000 |
| 230 V UC | TRP 230VUC 1CO 2618050000 | TRS 230VUC 1CO 1122820000 | TRZ 230VUC 1CO 1122930000 |
| 24-230 V UC | TRP 24-230VUC 1CO ED2 2663010000 | TRS 24-230VUC 1CO ED2 2662850000 | |

*Qty 10

| Output 1 CO contact - 6 A Contact material: AgNi Au | | | |
|--|---|---|---|
| | PUSH IN* | Screw* | Tension clamp* |
| Input | | | |
| 5 V DC | TRP 5VDC 1CO AU 2618060000 | TRS 5VDC 1CO AU 1122980000 | TRZ 5VDC 1CO AU 1123100000 |
| 12 V DC | TRP 12VDC 1CO AU 2618120000 | TRS 12VDC 1CO AU 1122990000 | TRZ 12VDC 1CO AU 1123110000 |
| 24 V DC | TRP 24VDC 1CO AU 2618110000 | TRS 24VDC 1CO AU 1123000000 | TRZ 24VDC 1CO AU 1123120000 |
| 24 V UC | TRP 24VUC 1CO AU 2618160000 | TRS 24VUC 1CO AU 1123010000 | TRZ 24VUC 1CO AU 1123130000 |
| 120 V AC RC | TRP 120VAC RC 1CO AU 2618030000 | TRS 120VAC RC 1CO AU 1123070000 | TRZ 120VAC RC 1CO AU 1123190000 |
| 120 V UC | TRP 120VUC 1CO AU 2618080000 | TRS 120VUC 1CO AU 1123040000 | TRZ 120VUC 1CO AU 1123170000 |
| 230 V AC RC | TRP 230VAC RC 1CO AU 2617950000 | TRS 230VAC RC 1CO AU 1123080000 | TRZ 230VAC RC 1CO AU 1123200000 |
| 230 V UC | TRP 230VUC 1CO AU 2618210000 | TRS 230VUC 1CO AU 1123050000 | TRZ 230VUC 1CO AU 1123180000 |
| 24-230 V UC | TRP 24-230VUC 1CO AU ED2 2663020000 | TRS 24-230VUC 1CO AU ED2 2662860000 | |

*Qty 10

| Output 1 CO contact - 6 A Contact material: AgSnO | | | |
|--|--|--|--|
| | PUSH IN* | Screw* | Tension clamp* |
| Input | | | |
| 5 V DC | TRP 5VDC 1CO AGSNO 2614820000 | TRS 5VDC 1CO AGSNO 2152860000 | TRZ 5VDC 1CO AGSNO 2152870000 |
| 12 V DC | TRP 12VDC 1CO AGSNO 2617860000 | TRS 12VDC 1CO AGSNO 2152880000 | TRZ 12VDC 1CO AGSNO 2152890000 |
| 24 V DC | TRP 24VDC 1CO AGSNO 2618020000 | TRS 24VDC 1CO AGSNO 1984540000 | TRZ 24VDC 1CO AGSNO 1984550000 |
| 24 V UC | TRP 24VUC 1CO AGSNO 2617880000 | TRS 24VUC 1CO AGSNO 2152940000 | TRZ 24VUC 1CO AGSNO 2152970000 |
| 120 V AC RC | TRP 120VAC RC 1CO AGSNO 2617840000 | TRS 120VAC RC 1CO AGSNO 2152900000 | TRZ 120VAC RC 1CO AGSNO 2152910000 |
| 120 V UC | TRP 120VUC 1CO AGSNO 2617900000 | TRS 120VUC 1CO AGSNO 2153570000 | TRZ 120VUC 1CO AGSNO 2153580000 |
| 230 V AC RC | TRP 230VAC RC 1CO AGSNO 2617850000 | TRS 230VAC RC 1CO AGSNO 2152920000 | TRZ 230VAC RC 1CO AGSNO 2152930000 |
| 230 V UC | TRP 230VUC 1CO AGSNO 2617830000 | TRS 230VUC 1CO AGSNO 2153590000 | TRZ 230VUC 1CO AGSNO 2153690000 |
| 24-230 V UC | TRP 24-230VUC 1CO AGSNO ED2 2663160000 | TRS 24-230VUC 1CO AGSNO ED2 2663000000 | |

*Qty 10

| Output 1 CO contact Empty socket | | | |
|-------------------------------------|--|--|--|
| | PUSH IN* | Screw* | Tension clamp* |
| Input | | | |
| 24 V DC | TRP 24VDC 1CO EMPTY 2618870000 | TRS 24VDC 1CO EMPTY 1123240000 | TRZ 24VDC 1CO EMPTY 1123370000 |
| 120 V AC RC | TRP 120VAC RC 1CO EMPTY 2618880000 | TRS 120VAC RC 1CO EMPTY 1123310000 | TRZ 120VAC RC 1CO EMPTY 1123430000 |
| 230 V AC RC | TRP 230VAC RC 1CO EMPTY 2618890000 | TRS 230VAC RC 1CO EMPTY 1123320000 | TRZ 230VAC RC 1CO EMPTY 1123440000 |
| 24-230 V UC | TRP 24-230VUC 1CO EMPTY ED2 2663030000 | TRS 24-230VUC 1CO EMPTY ED2 2662870000 | |

*Qty 10

Relay modules

12 mm

Explanations for the contact materials you will find on page 8



| Output 2 CO contact - 8 A Contact material: AgNi | | | |
|---|--|--|--|
| | PUSH IN* | Screw* | Tension clamp* |
| Input | | | |
| 5 V DC | TRP 5VDC 2CO 2614840000 | TRS 5VDC 2CO 1123470000 | TRZ 5VDC 2CO 1123590000 |
| 12 V DC | TRP 12VDC 2CO 2618550000 | TRS 12VDC 2CO 1123480000 | TRZ 12VDC 2CO 1123600000 |
| 24 V DC | TRP 24VDC 2CO 2618400000 | TRS 24VDC 2CO 1123490000 | TRZ 24VDC 2CO 1123610000 |
| 24 V UC | TRP 24VUC 2CO 2618320000 | TRS 24VUC 2CO 1123500000 | TRZ 24VUC 2CO 1123620000 |
| 120 V AC RC | TRP 120VAC RC 2CO 2618470000 | TRS 120VAC RC 2CO 1123550000 | TRZ 120VAC RC 2CO 1123680000 |
| 120 V UC | TRP 120VUC 2CO 2618570000 | TRS 120VUC 2CO 1123530000 | TRZ 120VUC 2CO 1123650000 |
| 230 V AC RC | TRP 230VAC RC 2CO 2618330000 | TRS 230VAC RC 2CO 1123570000 | TRZ 230VAC RC 2CO 1123690000 |
| 230 V UC | TRP 230VUC 2CO 2618440000 | TRS 230VUC 2CO 1123540000 | TRZ 230VUC 2CO 1123670000 |
| 24-230 V UC | TRP 24-230VUC 2CO ED2 2663040000 | TRS 24-230VUC 2CO ED2 2662880000 | |

*Qty 10

| Output 2 CO contact - 8 A Contact material: AgNi Au | | | |
|--|--|--|---|
| | PUSH IN* | Screw* | Tension clamp* |
| Input | | | |
| 5 V DC | TRP 5VDC 2CO AU 2618580000 | TRS 5VDC 2CO AU 1123710000 | TRZ 5VDC 2CO AU 1123830000 |
| 12 V DC | TRP 12VDC 2CO AU 2618310000 | TRS 12VDC 2CO AU 1123720000 | TRZ 12VDC 2CO AU 1123840000 |
| 24 V DC | TRP 24VDC 2CO AU 2618530000 | TRS 24VDC 2CO AU 1123730000 | TRZ 24VDC 2CO AU 1123850000 |
| 24 V UC | TRP 24VUC 2CO AU 2618540000 | TRS 24VUC 2CO AU 1123740000 | TRZ 24VUC 2CO AU 1123870000 |
| 120 V AC RC | TRP 120VAC RC 2CO AU 2618490000 | TRS 120VAC RC 2CO AU 1123800000 | TRZ 120VAC RC 2CO AU 1123920000 |
| 120 V UC | TRP 120VUC 2CO AU 2618590000 | TRS 120VUC 2CO AU 1123780000 | TRZ 120VUC 2CO AU 1123900000 |
| 230 V AC RC | TRP 230VAC RC 2CO AU 2618500000 | TRS 230VAC RC 2CO AU 1123810000 | TRZ 230VAC RC 2CO AU 1123930000 |
| 230 V UC | TRP 230VUC 2CO AU 2618300000 | TRS 230VUC 2CO AU 1123790000 | TRZ 230VUC 2CO AU 1123910000 |
| 24-230 V UC | TRP 24-230VUC 2CO ED2 2663050000 | TRS 24-230VUC 2CO ED2 2662890000 | |

*Qty 10

| Output 2 CO contact - 16 A Contact material: AgNi | | | |
|--|--|--|--|
| | PUSH IN | Screw* | Tension clamp* |
| Input | | | |
| 5 V DC | TRP 5VDC 1CO 16A 2618130000 | TRS 5VDC 1CO 16A 1479650000 | TRZ 5VDC 1CO 16A 1479800000 |
| 12 V DC | TRP 12VDC 1CO 16A 2618040000 | TRS 12VDC 1CO 16A 1479670000 | TRZ 12VDC 1CO 16A 1479820000 |
| 24 V DC | TRP 24VDC 1CO 16A 2618100000 | TRS 24VDC 1CO 16A 1479680000 | TRZ 24VDC 1CO 16A 1479840000 |
| 24 V UC | TRP 24VUC 1CO 16A 2617910000 | TRS 24VUC 1CO 16A 1479690000 | TRZ 24VUC 1CO 16A 1479850000 |
| 120 V AC RC | TRP 120VAC RC 1CO 16A 2618270000 | TRS 120VAC RC 1CO 16A 1479750000 | TRZ 120VAC RC 1CO 16A 1479910000 |
| 120 V UC | TRP 120VUC 1CO 16A 2618280000 | TRS 120VUC 1CO 16A 1479730000 | TRZ 120VUC 1CO 16A 1479890000 |
| 230 V AC RC | TRP 230VAC RC 1CO 16A 2618190000 | TRS 230VAC RC 1CO 16A 1479760000 | TRZ 230VAC RC 1CO 16A 1479920000 |
| 230 V UC | TRP 230VUC 1CO 16A 2618260000 | TRS 230VUC 1CO 16A 1479740000 | TRZ 230VUC 1CO 16A 1479900000 |
| 24-230 V UC | TRP 24-230VUC 1CO 16A ED2 2663120000 | TRS 24-230VUC 1CO 16A ED2 2662960000 | |

*Qty 10

| Output 2 CO contact Empty socket | | | |
|-------------------------------------|--|--|--|
| | PUSH IN* | Screw* | Tension clamp* |
| Input | | | |
| 24 V DC | TRP 24VDC 2CO EMPTY 2680970000 | TRS 24VDC 2CO EMPTY 1123980000 | TRZ 24VDC 2CO EMPTY 1124100000 |
| 120 V AC RC | TRP 120VAC RC 2CO EMPTY 2681030000 | TRS 120VAC RC 2CO EMPTY 1124040000 | TRZ 120VAC RC 2CO EMPTY 1124170000 |
| 230 V AC RC | TRP 230VAC RC 2CO EMPTY 2681190000 | TRS 230VAC RC 2CO EMPTY 1124050000 | TRZ 230VAC RC 2CO EMPTY 1124180000 |
| 24-230 V UC | TRP 24-230VUC 2CO EMPTY ED2 2663060000 | TRS 24-230VUC 2CO EMPTY ED2 2662900000 | |

*Qty 10

Solid-state relays

6 mm



| Output | | | |
|----------------------|--|--|--|
| 0 - 48 V DC - 100 mA | | | |
| Transistor | | | |
| PUSH IN* | Screw* | Tension clamp* | |
| Input | | | |
| 5 V DC | TOP 5VDC 48VDC0.1A 2614860000 | TOS 5VDC 48VDC0.1A 1126920000 | TOZ 5VDC 48VDC0.1A 1127030000 |
| 12 V DC | TOP 12VDC 48VDC0.1A 2618600000 | TOS 12VDC 48VDC0.1A 1126930000 | TOZ 12VDC 48VDC0.1A 1127040000 |
| 24 V DC | TOP 24VDC 48VDC0.1A 2618790000 | TOS 24VDC 48VDC0.1A 1126940000 | TOZ 24VDC 48VDC0.1A 1127050000 |
| 24 V UC | TOP 24VUC 48VDC0.1A 2618640000 | TOS 24VUC 48VDC0.1A 1126950000 | TOZ 24VUC 48VDC0.1A 1127060000 |
| 120 V AC RC | TOP 120VAC RC 48VDC0.1A 2618650000 | TOS 120VAC RC 48VDC0.1A 1127000000 | TOZ 120VAC RC 48VDC0.1A 1127110000 |
| 120 V UC | TOP 120VUC 48VDC0.1A 2618680000 | TOS 120VUC 48VDC0.1A 1126980000 | TOZ 120VUC 48VDC0.1A 1127090000 |
| 230 V AC RC | TOP 230VAC RC 48VDC0.1A 2618620000 | TOS 230VAC RC 48VDC0.1A 1127010000 | TOZ 230VAC RC 48VDC0.1A 1127120000 |
| 230 V UC | TOP 230VUC 48VDC0.1A 2618690000 | TOS 230VUC 48VDC0.1A 1126990000 | TOZ 230VUC 48VDC0.1A 1127100000 |
| 24-230 V UC | TOP 24-230VUC 48VDC0.1A ED2 2663070000 | TOS 24-230VUC 48VDC0.1A ED2 2662910000 | |

*Qty 10

| Output | | | |
|-------------------|--|--|--|
| 3 - 33 V DC - 2 A | | | |
| MOS-FET | | | |
| PUSH IN* | Screw* | Tension clamp* | |
| Input | | | |
| 5 V DC | TOP 5VDC 24VDC2A 2618810000 | TOS 5VDC 24VDC2A 1127140000 | TOZ 5VDC 24VDC2A 1127270000 |
| 12 V DC | TOP 12VDC 24VDC2A 2618820000 | TOS 12VDC 24VDC2A 1127150000 | TOZ 12VDC 24VDC2A 1127280000 |
| 24 V DC | TOP 24VDC 24VDC2A 2618720000 | TOS 24VDC 24VDC2A 1127170000 | TOZ 24VDC 24VDC2A 1127290000 |
| 24 V UC | TOP 24VUC 24VDC2A 2618730000 | TOS 24VUC 24VDC2A 1127180000 | TOZ 24VUC 24VDC2A 1127300000 |
| 120 V AC RC | TOP 120VAC RC 24VDC2A 2618660000 | TOS 120VAC RC 24VDC2A 1127230000 | TOZ 120VAC RC 24VDC2A 1127350000 |
| 120 V UC | TOP 120VUC 24VDC2A 2618770000 | TOS 120VUC 24VDC2A 1127210000 | TOZ 120VUC 24VDC2A 1127330000 |
| 230 V AC RC | TOP 230VAC RC 24VDC2A 2618670000 | TOS 230VAC RC 24VDC2A 1127240000 | TOZ 230VAC RC 24VDC2A 1127370000 |
| 230 V UC | TOP 230VUC 24VDC2A 2618800000 | TOS 230VUC 24VDC2A 1127220000 | TOZ 230VUC 24VDC2A 1127340000 |
| 24-230 V UC | TOP 24-230VUC 24VDC2A ED2 2663080000 | TOS 24-230VUC 24VDC2A ED2 2662920000 | |

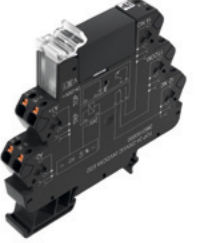
*Qty 10

| Output | | | |
|---------------------|---|---|---|
| 24 - 240 V AC - 1 A | | | |
| Triac | | | |
| PUSH IN* | Screw* | Tension clamp* | |
| Input | | | |
| 5 V DC | TOP 5VDC 230VAC1A 2614850000 | TOS 5VDC 230VAC1A 1127390000 | TOZ 5VDC 230VAC1A 1127510000 |
| 12 V DC | TOP 12VDC 230VAC1A 2618380000 | TOS 12VDC 230VAC1A 1127400000 | TOZ 12VDC 230VAC1A 1127520000 |
| 24 V DC | TOP 24VDC 230VAC1A 2618420000 | TOS 24VDC 230VAC1A 1127410000 | TOZ 24VDC 230VAC1A 1127530000 |
| 24 V UC | TOP 24VUC 230VAC1A 2618350000 | TOS 24VUC 230VAC1A 1127420000 | TOZ 24VUC 230VAC1A 1127540000 |
| 24-230 V UC | TOP 24-230VUC 230VAC1A ED2 2663090000 | TOS 24-230VUC 230VAC1A ED2 2662930000 | |

*Qty 10

Solid-state relays

12 mm



| Output | | | |
|-------------------|--|--|--|
| 3 - 33 V DC - 5 A | | | |
| MOS-FET | | | |
| PUSH IN* | Screw* | Tension clamp* | |
| Input | | | |
| 24 V DC | TOP 24VDC 24VDC5A 2618840000 | TOS 24VDC 24VDC5A 1990960000 | TOZ 24VDC 24VDC5A 1990980000 |
| 24-230 V UC | TOP 24-230VUC 24VDC5A ED2 2663150000 | TOS 24-230VUC 24VDC5A ED2 2662990000 | |

*Qty 10

| Output | | | |
|--------------|--|--|--------------------------------------|
| 1 NO contact | | | |
| Empty socket | | | |
| PUSH IN* | Screw* | Tension clamp* | |
| Input | | | |
| 24 V DC | TOP 24VDC EMPTY 2618740000 | TOS 24VDC EMPTY 1127720000 | TOZ 24VDC EMPTY 1127740000 |
| 24-230 V UC | TOP 24-230VUC EMPTY ED2 2663110000 | TOS 24-230VUC EMPTY ED2 2662950000 | |

*Qty 10

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