

## SSS RELAIS 5V/230V 1AAC

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



Similar to illustration

Individual relays for TERMSERIES

- Solid-state relays
- Different output versions

## General ordering data

Version	TERMSERIES, Solid-state relay, Rated control voltage: 2.5 V DC...5 V DC...6 V DC , Rated switching voltage: 24...240 V AC, Continuous current: 1 A, Plug-in connection
Order No.	<a href="#">1132260000</a>
Type	SSS RELAIS 5V/230V 1AAC
GTIN (EAN)	4050118049374
Qty.	20 items

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## Technical data

## Approvals

ROHS	Conform
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## Dimensions and weights

Depth	15 mm	Depth (inches)	0.5906 inch
Height	28 mm	Height (inches)	1.1024 inch
Width	5 mm	Width (inches)	0.1968 inch
Net weight	5.2 g		

## Temperatures

Storage temperature	-40 °C...70 °C	Ambient temperature	-20 °C...60 °C
Operating temperature		Humidity	40 °C / 93 % rel. humidity, no condensation

## Probability of failure

MTTF	1162 a
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## Environmental Product Compliance

RoHS Compliance Status	Compliant
REACH SVHC	No SVHC above 0.1 wt%

## Control side

Rated control voltage	2.5 V DC...5 V DC...6 V DC	Nominal control current	15 mA DC (±10%)
Power rating	80 mW	Status indicator	No

## Load side

Rated switching voltage	24...240 V AC	Continuous current	1 A
Rated switching current	1 A	Inrush current	15 A / 10 ms
Switch-on delay	<11 ms	Switch-off delay	<11 ms
Voltage drop at max. load	≤ 1 V	Leakage current	<1.5 mA
Min. switching current	20 mA	Short-circuit-proof	No
Protective circuit, load side	RC element	Contact type	1 NO contact (Triac (zero-cross switch))
Output voltage frequency range	50 / 60 Hz		

## General data

Colour	black
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## Insulation coordination

Clearance and creepage distances for control side - load side	≥ 5.5 mm	Dielectric strength for control side - load side	2.5 kVeff
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## Connection data

Wire connection method	Plug-in connection
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[www.weidmueller.com](http://www.weidmueller.com)**Technical data****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		

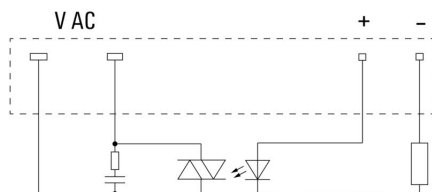
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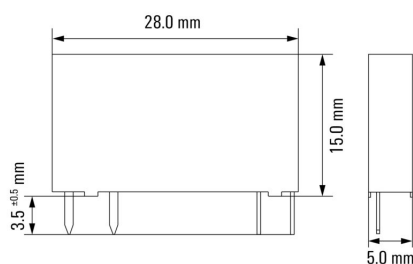
## Drawings

### Wiring diagram



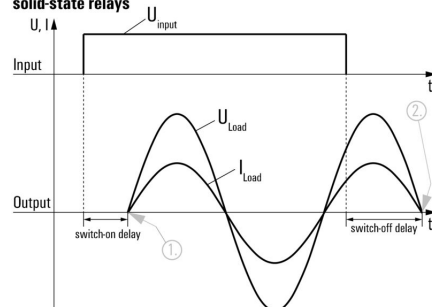
View of pins from below

### Dimensional drawing



### Graph

Signal characteristics of zero cross switching  
solid-state relays



Shown at an example with resistive load.

1. Switches on at first zero cross of mains voltage while control input gets signal.
2. Switches off at next zero cross of mains current after control input signal was switched off.

Switching DC voltages is not possible with this solid-state relays.

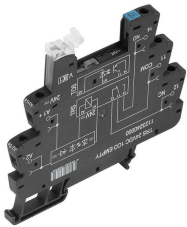
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## Counterpart

## Screw connection



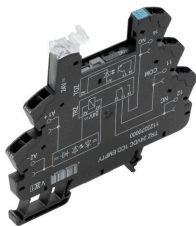
TERMSERIES empty sockets with:

- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages with coloured marking: 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 5VDC 1CO EMPTY	Version
Order No.	<a href="#">1123220000</a>	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated
GTIN (EAN)	4032248905379	control voltage: 5 V DC $\pm 20\%$ , Continuous current: 10 A, Screw
Qty.	10 ST	connection

## Tension clamp connection



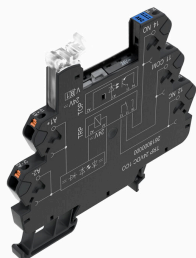
TERMSERIES empty sockets with:

- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages with coloured marking: 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 5VDC 1CO EMPTY	Version
Order No.	<a href="#">1123340000</a>	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated
GTIN (EAN)	4032248905645	control voltage: 5 V DC $\pm 20\%$ , Continuous current: 10 A, Tension-
Qty.	10 ST	clamp connection

## PUSH IN connection



TERMSERIES empty sockets with:

- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages with coloured marking: 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 5VDC 1CO EMPTY	Version
Order No.	<a href="#">2614870000</a>	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated
GTIN (EAN)	4050118671032	control voltage: 5 V DC $\pm 20\%$ , Continuous current: 10 A, PUSH IN
Qty.	10 ST	