

## SSR 24VDC/MAX.240VAC 1A

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

[www.weidmueller.com](http://www.weidmueller.com)



### Individual relays for TERMSERIES

- Solid-state relays
- Different output versions

### General ordering data

Version	TERMSERIES, Solid-state relay, Rated control voltage: 10...32 V DC , Rated switching voltage: 12...275 V AC, Continuous current: 1 A, Plug-in connection
Order No.	<a href="#">1132290000</a>
Type	SSR 24VDC/MAX.240VAC 1A
GTIN (EAN)	4050118049381
Qty.	20 items
Delivery status	Discontinued
Available until	2024-11-29T00:00:00+01:00
Alternative product	<a href="#">SSS RELAIS 24V/230V 1AAC</a>

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**Technical data**

**Approvals**

ROHS Conform

**Dimensions and weights**

Depth	15 mm	Depth (inches)	0.5906 inch
Height	29 mm	Height (inches)	1.1417 inch
Width	12.7 mm	Width (inches)	0.5 inch
Net weight	5.2 g		

**Temperatures**

Storage temperature	-40 °C...70 °C	Ambient temperature	-20 °C...60 °C
Operating temperature			

**Probability of failure**

MTTF 1150 a

**Environmental Product Compliance**

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

**Control side**

Rated control voltage	10...32 V DC	Nominal control current	3...13 mA
Status indicator	No		

**Load side**

Rated switching voltage	12...275 V AC	Continuous current	1 A
Rated switching current	1 A	Inrush current	15 A / 10 ms
Switch-on delay	≤ 10 ms	Switch-off delay	≤ 10 ms
Voltage drop at max. load	≤ 1 V	Leakage current	<1.5 mA
Min. switching current	50 mA	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

**Insulation coordination**

Dielectric strength for control side - load side 2.5 kVeff

**Connection data**

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

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

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ECLASS 15.0

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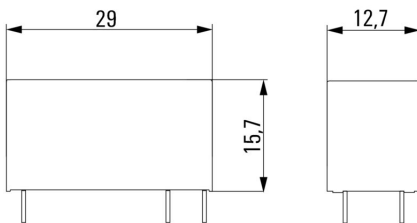
Drawings

Wiring diagram



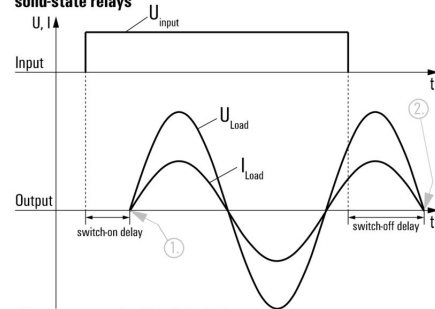
View of pins from below

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.

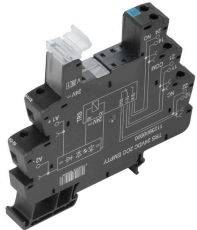
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## Counterpart

### Screw connection



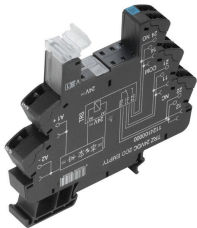
TERMSERIES empty sockets with:

- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages 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.	<a href="#">1127720000</a>	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



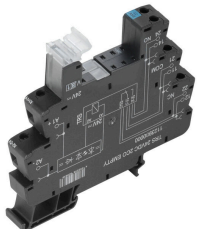
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- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

### General ordering data

Type	TOZ 24VDC EMPTY	Version
Order No.	<a href="#">1127740000</a>	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.	<a href="#">1127730000</a>	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

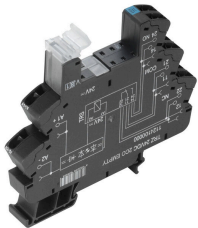
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## Counterpart

### Tension clamp connection



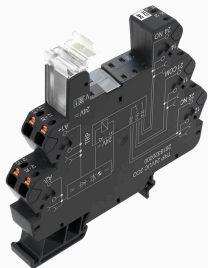
TERMSERIES empty sockets with:

- 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.	<a href="#">1127750000</a>	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



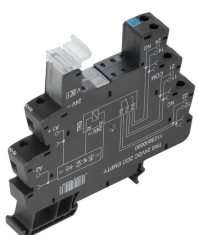
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- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

### General ordering data

Type	TOP 24VDC EMPTY	Version	
Order No.	<a href="#">2618740000</a>	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.	<a href="#">2663110000</a>	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
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# Counterpart

### General ordering data

Type	TOS 24-230VUC EMPTY ED2	Version
Order No.	<a href="#">2662950000</a>	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