Data sheet

SSR 24VDC/MAX.240VAC 1A

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

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.	1132290000
Type	SSR 24VDC/MAX.240VAC 1A
GTIN (EAN)	4050118049381
Qty.	20 items
Delivery status	This article will no longer be available in the future.
Available until	2024-11-29T00:00:00+01:00
Alternative product	SSS RELAIS 24V/230V 1AAC

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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

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	27-37-16-04

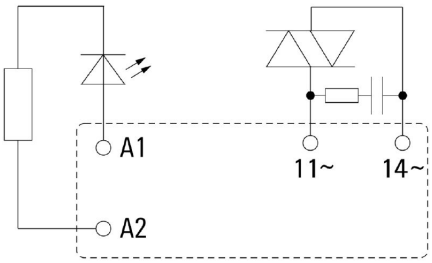
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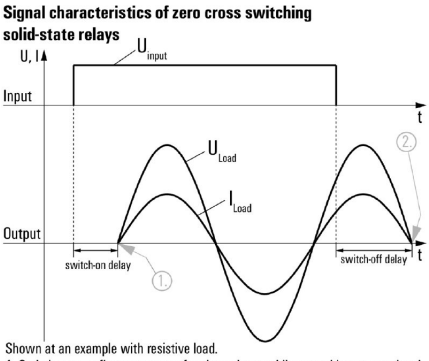
Drawings

Wiring diagram



View of pins from below

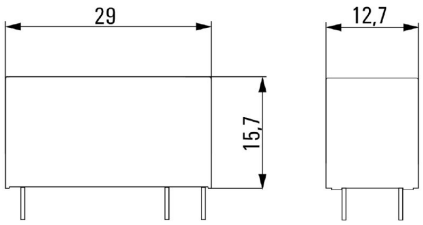
Graph



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.

Dimensional drawing



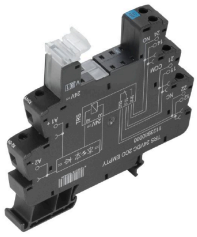
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Counterpart

Screw connection

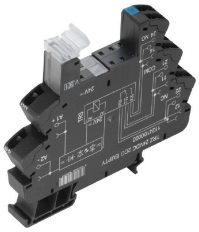


TERMSERIES empty sockets with:
- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical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

General ordering data

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

Tension clamp connection

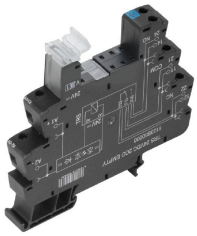


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- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement of insulation

General ordering data

Type	TOZ 24VDC EMPTY	Version
Order No.	1127740000	TERMSERIES, Relay socket, Rated control voltage: 24 V DC ±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 ±10
GTIN (EAN)	4032248909254	% , Rated switching voltage: 230 V AC, Continuous current: 16 A,
Qty.	10 ST	Screw connection

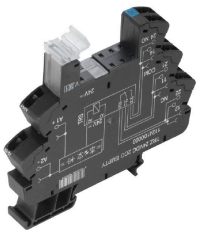
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Counterpart

Tension clamp connection

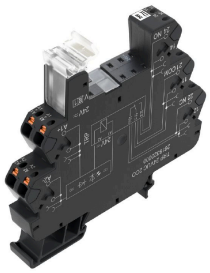


TERMSERIES empty sockets with:
- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical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

General ordering data

Type	TOZ 24-230VUC EMPTY	Version
Order No.	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

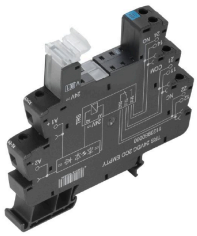


TERMSERIES empty sockets with:
- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages from 5 V DC to 230 V UC with coloured marking: AC: red, DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical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



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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