

SSS RELAIS 5V/230V 1AAC

Weidmüller Interface GmbH & 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.	1132260000
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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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		

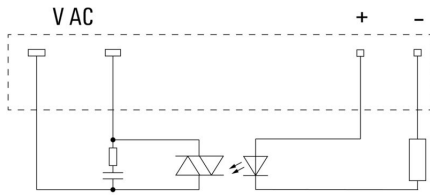
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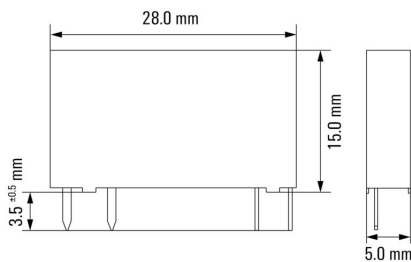
Drawings

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



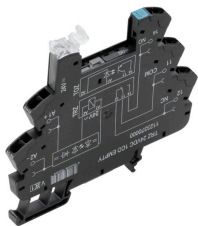
TERMSERIES empty sockets with:

- 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.	1123220000	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated control voltage: 5 V DC \pm 20 %, Continuous current: 10 A, Screw connection	
GTIN (EAN)	4032248905379		
Qty.	10 ST		

Tension clamp connection



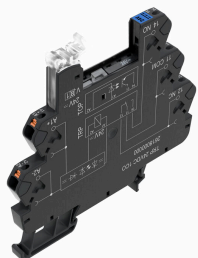
TERMSERIES empty sockets with:

- 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.	1123340000	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated control voltage: 5 V DC \pm 20 %, Continuous current: 10 A, Tension-clamp connection	
GTIN (EAN)	4032248905645		
Qty.	10 ST		

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.	2614870000	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated control voltage: 5 V DC \pm 20 %, Continuous current: 10 A, PUSH IN	
GTIN (EAN)	4050118671032		
Qty.	10 ST		