SSS RELAIS 24V/230V 1AAC

Similar to illustration

Individual relays for TERMSERIES

• Solid-state relays
• Different output versions

General ordering data

Version	TERMSERIES, Solid-state relay, Rated control voltage: 18 V DC...24 V DC...30 V DC , Rated switching voltage: 24...240 V AC, Continuous current: 1 A, Plug-in connection
Order No.	4061210000
Type	SSS RELAIS 24V/230V 1AAC
GTIN (EAN)	4032248643813
Qty.	20 items

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Data sheet

SSS RELAIS 24V/230V 1AAC

Weidmüller ⚡

Technical data

Approvals

ROHS	Conform

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	3.53 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

Environmental Product Compliance

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

Control side

Rated control voltage	18 V DC...24 V DC...30 V DC	Rated control voltage (control input)	18 V DC...24 V DC...30 V DC
Nominal control current	7 mA DC (±10 %)	Power rating	170 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

Insulation coordination

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

Connection data

Wire connection method	Plug-in connection

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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		

SSS RELAIS 24V/230V 1AAC

Drawings

Wiring diagram
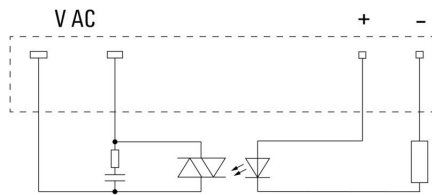
View of pins from below
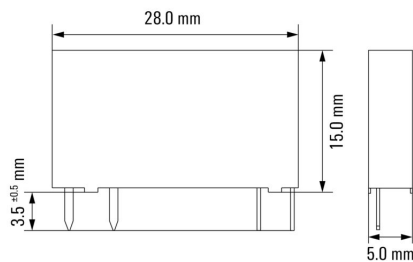
Dimensional drawing

Graph

Signal characteristics of zero cross switching solid-state relays
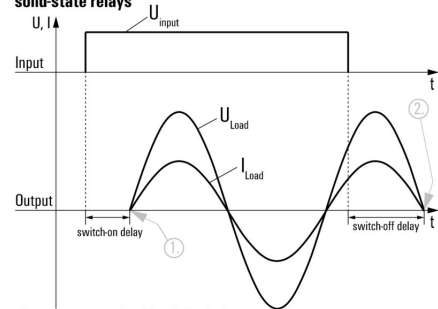
Shown at an example with resistive load.
1. Switches on at first zero cross of mains voltage while control input gets signal.
2. Switches off at next zero cross of mains current after control input signal was switched off.
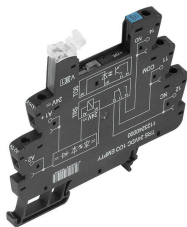Switching DC voltages is not possible with this solid-state relays.

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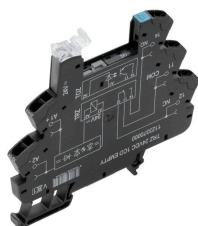
Counterpart

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 24VDC 1CO EMPTY	Version
Order No.	1123240000	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated
GTIN (EAN)	4032248905485	control voltage: 24 V DC ±20 %, Continuous current: 10 A, Screw
Qty.	10 ST	connection
Type	TRS 24VUC 1CO EMPTY	Version
Order No.	1123250000	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated
GTIN (EAN)	4032248905713	control voltage: 24 V UC ±10 %, Continuous current: 10 A, Screw
Qty.	10 ST	connection
Type	TRS 48VUC 1CO EMPTY	Version
Order No.	1123270000	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated
GTIN (EAN)	4032248905423	control voltage: 48 V UC ±10 %, Continuous current: 10 A, Screw
Qty.	10 ST	connection
Type	TRS 24-230VUC 1CO EMPTY	Version
Order No.	1123330000	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated
GTIN (EAN)	4032248905614	control voltage: 24...230 V UC ±10 %, Continuous current: 10 A,
Qty.	10 ST	Screw 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 24VDC 1CO EMPTY	Version
Order No.	1123370000	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated
GTIN (EAN)	4032248905324	control voltage: 24 V DC ±20 %, Continuous current: 10 A, Tension-
Qty.	10 ST	clamp connection
Type	TRZ 24VUC 1CO EMPTY	Version
Order No.	1123380000	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated
GTIN (EAN)	4032248905195	control voltage: 24 V UC ±10 %, Continuous current: 10 A, Tension-
Qty.	10 ST	clamp connection

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Counterpart

Type	TRZ 48VUC 1CO EMPTY	Version
Order No.	1123390000	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated
GTIN (EAN)	4032248905331	control voltage: 48 V UC ±10 %, Continuous current: 10 A, Tension-
Qty.	10 ST	clamp connection
Type	TRZ 24-230VUC 1CO EMPTY	Version
Order No.	1123450000	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated
GTIN (EAN)	4032248905508	control voltage: 24...230 V UC ±10 %, Continuous current: 10 A,
Qty.	10 ST	Tension-clamp connection

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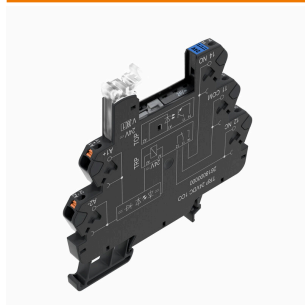
TERMSERIES empty sockets with:
- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages with coloured marking: DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
- Partition plates for optical separation and reinforcement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

General ordering data

Type	TRP 24VDC 1CO EMPTY	Version
Order No.	2618870000	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated
GTIN (EAN)	4050118669961	control voltage: 24 V DC ±20 %, Continuous current: 10 A, PUSH IN
Qty.	10 ST	
Type	TRP 24VUC 1CO EMPTY	Version
Order No.	2618910000	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated
GTIN (EAN)	4050118669923	control voltage: 24 V UC ±10 %, Continuous current: 10 A, PUSH IN
Qty.	10 ST	
Type	TRP 48VUC 1CO EMPTY	Version
Order No.	2618920000	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated
GTIN (EAN)	4050118669916	control voltage: 48 V UC ±10 %, Continuous current: 10 A, PUSH IN
Qty.	10 ST	

SSS RELAIS 24V/230V 1AAC

Counterpart

TERMSERIES TIMER
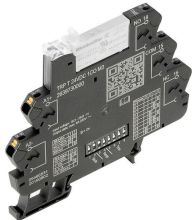
Timing relay for control signal adaptation with additional functions

Timing relays are used to coordinate fast switching processes in control systems, among other things. TERMSERIES TIMER timing relays have a on-delay, which allows for the delayed switch-on of machines, the cascaded start-up of system components or the delayed activation of consumers such as pumps or valves. They also have the One Shot and blinker functions. TERMSERIES TIMER timing relays in compact 6.4 mm terminal block format are available with either a screw connection or a PUSH IN wire connection. The timing functions and time ranges can be conveniently adjusted via the DIP switches on the side. The power supply and the respective switching status can be checked at a glance by means of the clearly visible duo LED on the ejection lever. International approvals in accordance with EN 61812 mean that they can be used anywhere in the world. TERMSERIES TIMER is compatible with the wide range of TERMSERIES accessories, thereby ensuring high levels of flexibility and simple integration into existing systems.

- Integration of additional timing functions in 6 mm TERMSERIES version
- Standard-compliant timing relays according to EN 61812
- Simple setting of timing functions and time ranges
- Integrated status LED (duo-LED in the ejection lever) for power supply and switching status

General ordering data

Type	TRP T 24VDC 1CO M3 EMPTY	Version
Order No.	2639740000	TERMSERIES, Multifunction timing relay, Empty socket, Number
GTIN (EAN)	4050118797923	of contacts: 1, CO contact, Rated control voltage: 24 V DC ±20 %,
Qty.	10 ST	Continuous current: 10 A, PUSH IN
Type	TRS T 24VDC 1CO M3 EMPTY	Version
Order No.	2639720000	TERMSERIES, Multifunction timing relay, Empty socket, Number
GTIN (EAN)	4050118715576	of contacts: 1, CO contact, Rated control voltage: 24 V DC ±20 %,
Qty.	10 ST	Continuous current: 10 A, Screw connection

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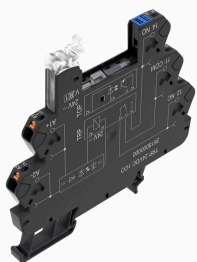
TERMSERIES empty sockets with:
- 1 CO contact
- Unique multi-voltage input from 24 to 230 V UC
- Input voltages with coloured marking: DC: blue, UC: white
- Due to high-quality design and no sharp edges no risk of injuries during installation
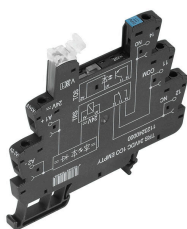- Partition plates for optical separation and reinforcement of insulation

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Counterpart

General ordering data

Type	TRP 24-230VUC 1CO EMPTY...	Version
Order No.	2663030000	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated
GTIN (EAN)	4050118698046	control voltage: 24...230 V UC ±10 %, Continuous current: 10 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 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 24-230VUC 1CO EMPTY...	Version
Order No.	2662870000	TERMSERIES, Relay socket, Number of contacts: 1, CO contact, Rated
GTIN (EAN)	4050118698206	control voltage: 24...230 V UC ±10 %, Continuous current: 10 A,
Qty.	10 ST	Screw connection