

SSS RELAIS 24V/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: 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 pc(s).

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Technical data

Dimensions and weights

Depth	15 mm	Depth (inches)	0.591 inch
Height	28 mm	Height (inches)	1.102 inch
Width	5 mm	Width (inches)	0.197 inch
Net weight	3.53 g		

Temperatures

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

Probability of failure

MTTF	1,162 Jahre
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Control side

Rated control voltage	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
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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 kV _{eff}
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Connection data

Wire connection method	Plug-in connection
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Classifications

ETIM 6.0	EC001504	ETIM 7.0	EC001504
ETIM 8.0	EC001504	ETIM 9.0	EC001504
ETIM 10.0	EC001504	ECLASS 9.0	27-37-16-04
ECLASS 9.1	27-37-16-04	ECLASS 10.0	27-37-16-04
ECLASS 11.0	27-37-16-04	ECLASS 12.0	27-37-16-04
ECLASS 13.0	27-37-16-04	ECLASS 14.0	27-37-16-04
ECLASS 15.0	27-37-16-04		

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www.weidmueller.com**Technical data****Environmental Product Compliance**

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

Approvals

ROHS	Conform
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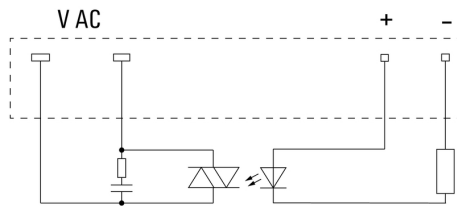
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Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	

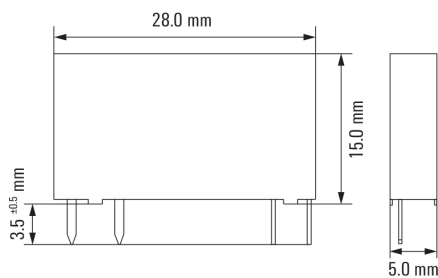
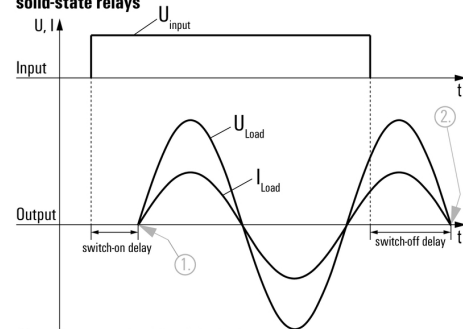
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Drawings
Wiring diagram


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.