

**SSS RELAIS 60V/230V 1AAC****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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: 52 V DC...60 V DC...72 V DC , Rated switching voltage: 24...240 V AC, Continuous current: 1 A, Plug-in connection
Order No.	<a href="#">4061220000</a>
Type	SSS RELAIS 60V/230V 1AAC
GTIN (EAN)	4032248777624
Qty.	20 pc(s).

## SSS RELAIS 60V/230V 1AAC

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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	52 V DC...60 V DC...72 V DC	Nominal control current	3 mA DC (±10 %)
Power rating	180 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 <sub>eff</sub>
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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
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		

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

**Approvals**

ROHS	Conform
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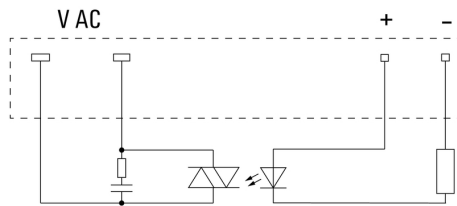
**Downloads**

Engineering Data	<a href="#">CAD data – STEP</a>
Catalogues	<a href="#">Catalogues in PDF-format</a>
Brochures	

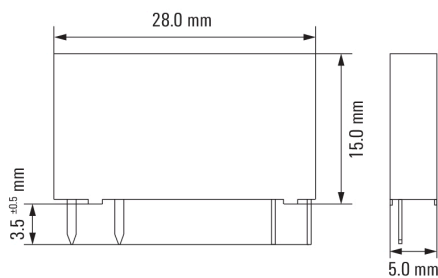
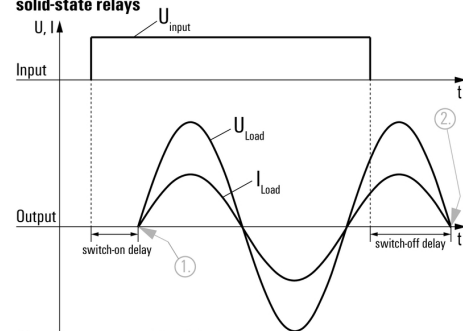
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**Drawings**
**Wiring diagram**


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.