

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 pc(s).

SSR 24VDC/MAX.240VAC 1A

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Dimensions and weights

Depth	15 mm	Depth (inches)	0.591 inch
Height	29 mm	Height (inches)	1.142 inch
Width	12.7 mm	Width (inches)	0.5 inch
Net weight	5.2 g		

Temperatures

Storage temperature	-40 °C...70 °C	Operating temperature	-20 °C...60 °C
---------------------	----------------	-----------------------	----------------

Probability of failure

MTTF	1,150 Jahre
------	-------------

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 kV _{eff}
--	-----------------------

Connection data

Wire connection method	Plug-in connection	Pitch in mm (P)	5 mm
------------------------	--------------------	-----------------	------

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

Approvals

ROHS	Conform
------	---------

SSR 24VDC/MAX.240VAC 1A

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Technical data

Downloads

Engineering Data

[CAD data – STEP](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

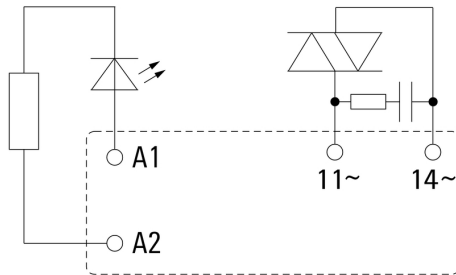
SSR 24VDC/MAX.240VAC 1A

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

www.weidmueller.com

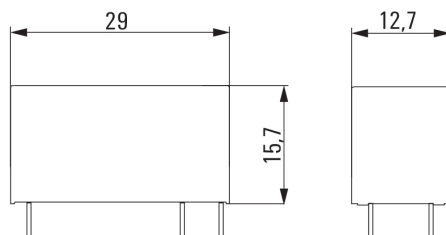
Drawings

Wiring diagram



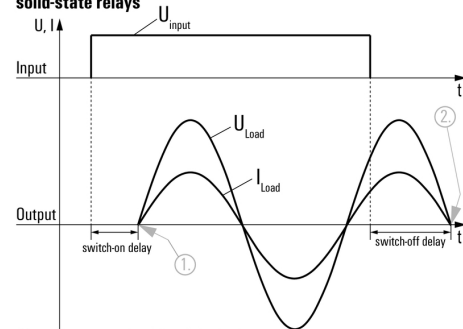
View of pins from below

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.