

# Solid-state relays - ST-OV3- 24DC/240AC/3 - 2903231

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Plug-in power solid-state relay, with LED and protective circuit in input and output circuits, input: 24 V DC, output: 24 - 280 V AC/max. 3 A, can be plugged into basic terminal blocks

The illustration shows version ST-OV 3- 5 DC/240 AC/3



## Key commercial data

Packing unit	10 pc
GTIN	 4 017918 079017
Weight per Piece (excluding packing)	56.59 g
Custom tariff number	85364190
Country of origin	Germany

## Technical data

### Dimensions

Width	20.8 mm
Height	33 mm
Depth	66.5 mm

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

### Input data

Nominal input voltage $U_N$	24 V DC $\pm 20\%$
Switching threshold "0" signal in reference to $U_N$	$\leq 0.4$
Switching threshold "1" signal in reference to $U_N$	$\geq 0.8$
Typical input current at $U_N$	7 mA
Typical response time	(switch-on time: Max. one half cycle - zero-voltage crossing)
Typical turn-off time	(switch-off time Max. one half cycle - zero-current crossing)
Operating voltage display	Yellow LED

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## Technical data

### Input data

Type of protection	Protection against polarity reversal
Protective circuit/component	Polarity protection diode
Transmission frequency	25 Hz

### Output data

Output voltage range	24 V AC ... 280 V AC
Limiting continuous current	3 A (see derating curve)
Min. load current	50 mA
Leakage current	5 mA (in off state - components with low minimum load and leakage currents on request.)
Surge current	35 A (t = 10 ms)
Max. load value	6 A <sup>2</sup> s (I <sup>2</sup> x t at t = 8.3 ms)
Peak offstate voltage	600 V
Voltage drop at max. limiting continuous current	1.5 V
Output circuit	2-wire, floating
Protective circuit/component	RC element

### General

Test voltage input/output	2.5 kV AC
Mounting position	any
Standards/regulations	DIN VDE 0110

## Classifications

### eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371001

### ETIM

ETIM 2.0	EC001504
ETIM 3.0	EC001504
ETIM 4.0	EC001504
ETIM 5.0	EC001504

### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542

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## Classifications

### UNSPSC

UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39121542

## Approvals

### Approvals

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### Approvals

### GOST / GOST

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### Ex Approvals

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### Approvals submitted

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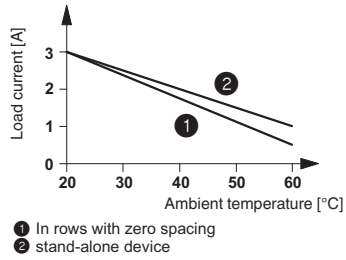
## Approval details



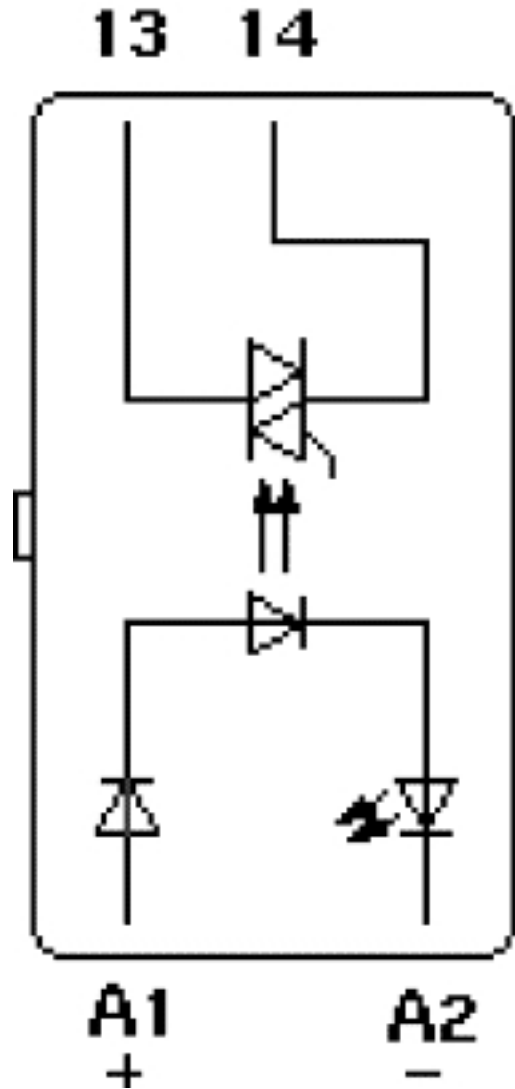
## Drawings

# Solid-state relays - ST-OV3- 24DC/240AC/3 - 2903231

Diagram



Circuit diagram



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Circuit diagram

