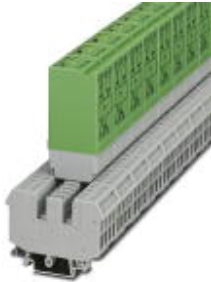


## Solid-state relays - ST-OV4- 24DC/ 24DC/1-PRO - 2905572

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Plug-in power protective circuit solid-state relay, with signal logic, can be plugged into 4-pos. basic terminal blocks, input: 24 V DC, output: short-circuit-proof, 18 - 36 V DC/1 A

### Product Features

- Reliable detection and indication of an open circuit on the load side
- Time-dependent overload shutdown for reliable protection against continuous overloads
- Fast short circuit shutdown with simultaneous current limitation
- Feedback in the event of an error
- Brief inrush peaks are ignored
- After an overload or short-circuit has been triggered, a defined reset of the control voltage must be carried out



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 107604
Weight per Piece (excluding packing)	35.88 GRM
Custom tariff number	85364190
Country of origin	Germany

### Technical data

#### Dimensions

Width	27 mm
Height	63.5 mm
Depth	114 mm

#### Ambient conditions

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## Technical data

### Ambient conditions

Ambient temperature (operation)	0 °C ... 60 °C
Ambient temperature (storage/transport)	0 °C ... 70 °C

### Input data

Nominal input voltage $U_N$	24 V DC $\pm$ 50%
Switching threshold "0" signal, voltage	5 V DC
Switching threshold "1" signal voltage	8.5 V DC
Typical input current at $U_N$	6.5 mA
Typical response time	300 $\mu$ s
Typical turn-off time	700 $\mu$ s
Status display	Yellow LED
Operating voltage display	Yellow LED
Type of protection	Protection against polarity reversal
Protective circuit/component	Polarity protection diode
Transmission frequency	100 Hz

### Output data

Output voltage range	18 V DC ... 36 V DC
Limiting continuous current	1 A (see derating curve)
Min. load current	1 mA
Current limitation at short-circuits	approx. 25 A
Voltage drop at max. limiting continuous current	300 mV
Output circuit	3-conductor, ground-referenced
Indication	Red LED
Type of protection	Protection against polarity reversal
	Free-wheeling diode
Protective circuit/component	Damping diode
Output voltage range	5 V DC ... 36 V DC
Limiting continuous current	50 mA
Voltage drop at max. limiting continuous current	$\leq$ 1.5 V
Output circuit	2-wire, floating
Type of protection	Protection against polarity reversal
Protective circuit/component	Polarity protection diode

### General

Test voltage input/output	2.5 kV AC
Test voltage output/output	2.5 kV AC
Mounting position	any
Assembly instructions	In rows with zero spacing

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## Technical data

### General

Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	Basic insulation

## 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
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

# Solid-state relays - ST-OV4- 24DC/ 24DC/1-PRO - 2905572

## Approvals

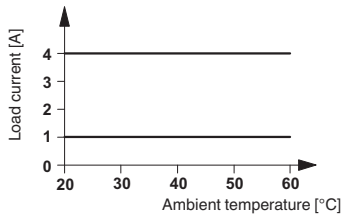
Approvals submitted

## Approval details

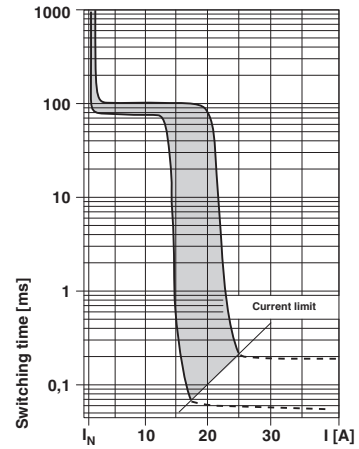


## Drawings

Diagram

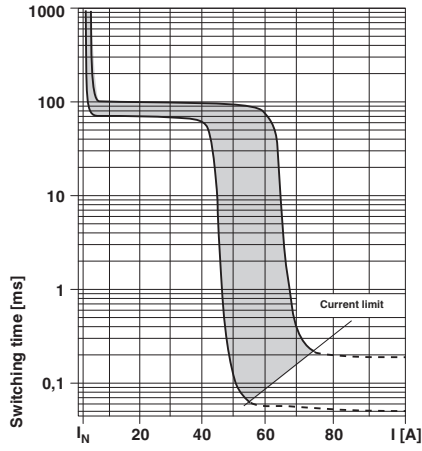


Diagram

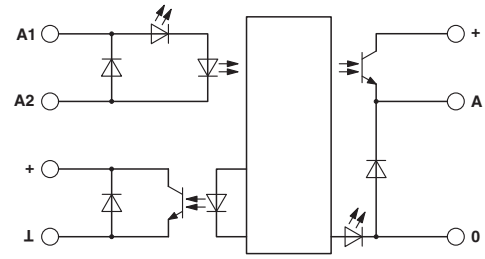


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Diagram



Circuit diagram



1 = protection and signal logic

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Catalog photo

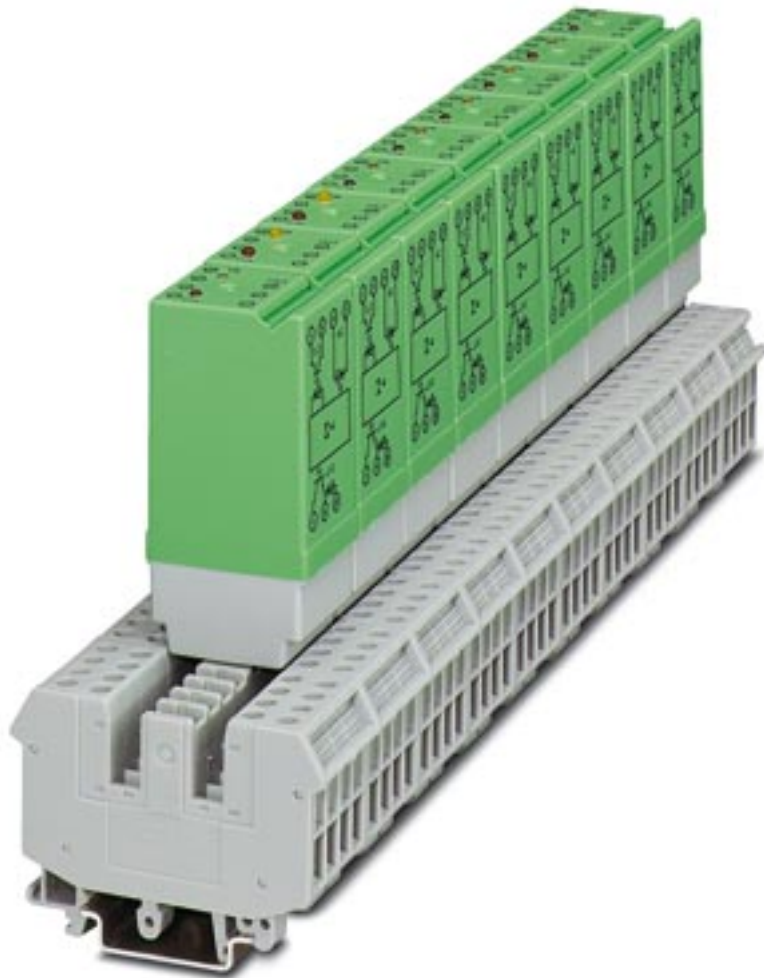


Figure may contain other products.

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Diagram

