

# Solid-state relays - ST-OV3- 24DC/400AC/3 - 2905417

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Plug-in power solid-state relay, input: 24 V DC, output: 24 - 420 V AC/max. 3 A

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

## Product Features

- Plug-in
- Control of 230 V motors in simple reversing mode (e.g., synchronous motor in single-phase mode, see illustration)
- Switching of up to 400 V AC/3 A



## Key commercial data

package_quantity	10
GTIN	4017918079406

## Technical data

### Dimensions

Width	20.8 mm
Height	42.5 mm
Depth	112 mm

### 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 $\pm 10\%$
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
Operating voltage display	Yellow LED
Type of protection	Protection against polarity reversal
Type of protection	RC element
Protective circuit/component	RC element
Transmission frequency	10 Hz

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## Technical data

### Output data

Output nominal voltage	400 V AC
Output voltage range	24 V AC ... 420 V AC
Limiting continuous current	3 A (see derating curve)
Maximum inrush current	125 A (t = 10 ms)
Min. load current	50 mA
Leakage current	approx. 12 mA
Surge current	125 A (t = 10 ms)
Peak offstate voltage	800 V (Periodic peak reverse voltage)
Voltage drop at max. limiting continuous current	≤ 1.2 V
Type of protection	Surge protection
Type of protection	RC element
Protective circuit/component	Varistor
Protective circuit/component	RC element

### General

Test voltage input/output	2.5 kV AC
Test voltage input/output	2.5 kV AC
Mounting position	Horizontal DIN rail
Standards/regulations	IEC 60664
Standards/regulations	EN 50178
Standards/regulations	IEC 62103
Rated surge voltage / insulation	Basic insulation
Pollution degree	2
Surge voltage category	III

## 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

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## classifications

### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39121542

## approvals

GOST / GOST /

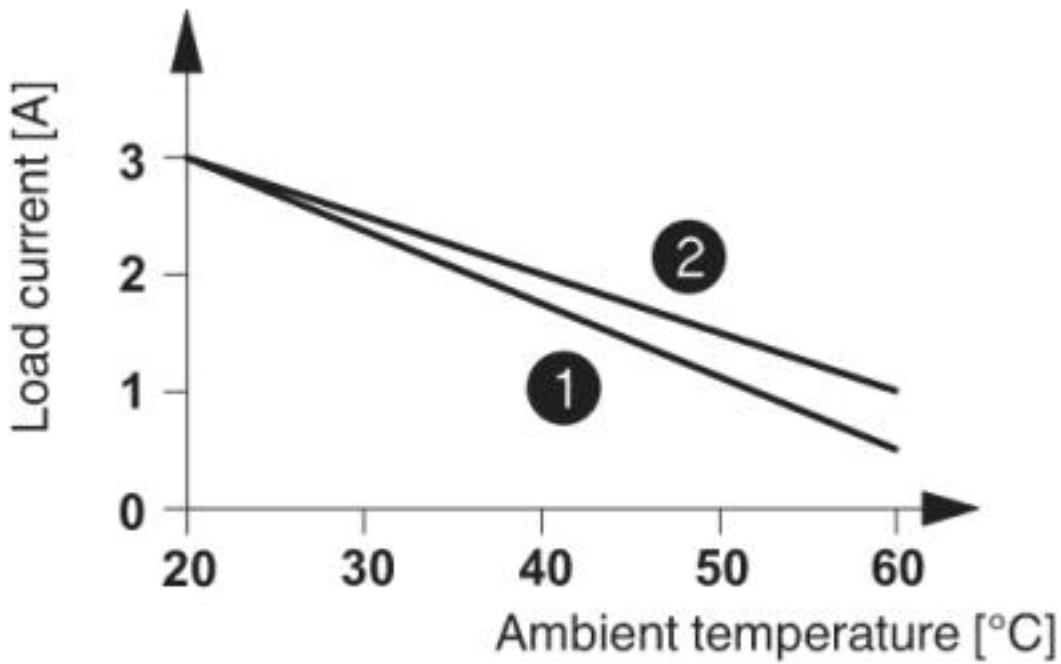
### Approval details



## Drawings

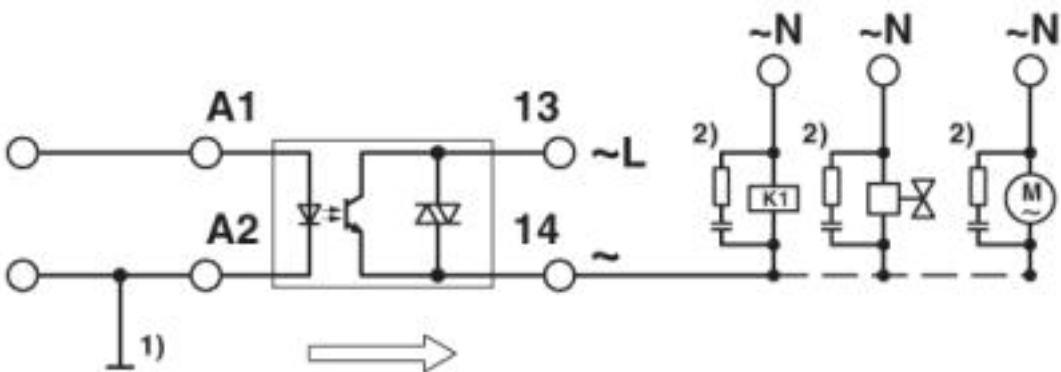
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Diagram



- 1** In rows with zero spacing
- 2** stand-alone device

Diagram



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Circuit diagram

