

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

Packing unit	1 pc
GTIN	 4 017918 079406
Weight per Piece (excluding packing)	62.8 GRM
Custom tariff number	85364190
Country of origin	Germany

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

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Technical data

Input data

Nominal input voltage U_N	24 V DC $\pm 10\%$
Switching threshold "0" signal in reference to U_N	≤ 0.4
Switching threshold "1" signal in reference to U_N	≥ 0.8
Typical input current at U_N	7 mA
Operating voltage display	Yellow LED
Type of protection	Protection against polarity reversal
	RC element
Protective circuit/component	RC element
Transmission frequency	10 Hz

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
	RC element
Protective circuit/component	Varistor
	RC element

General

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

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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

Approvals

GOST / GOST

Ex Approvals

Approvals submitted

Approval details

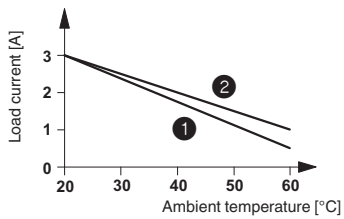
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Approvals



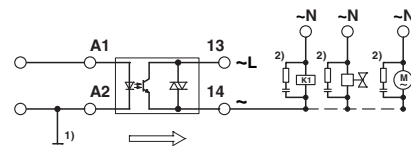
Drawings

Diagram



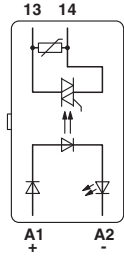
- 1 In rows with zero spacing
- 2 stand-alone device

Diagram



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Circuit diagram



Catalog photo

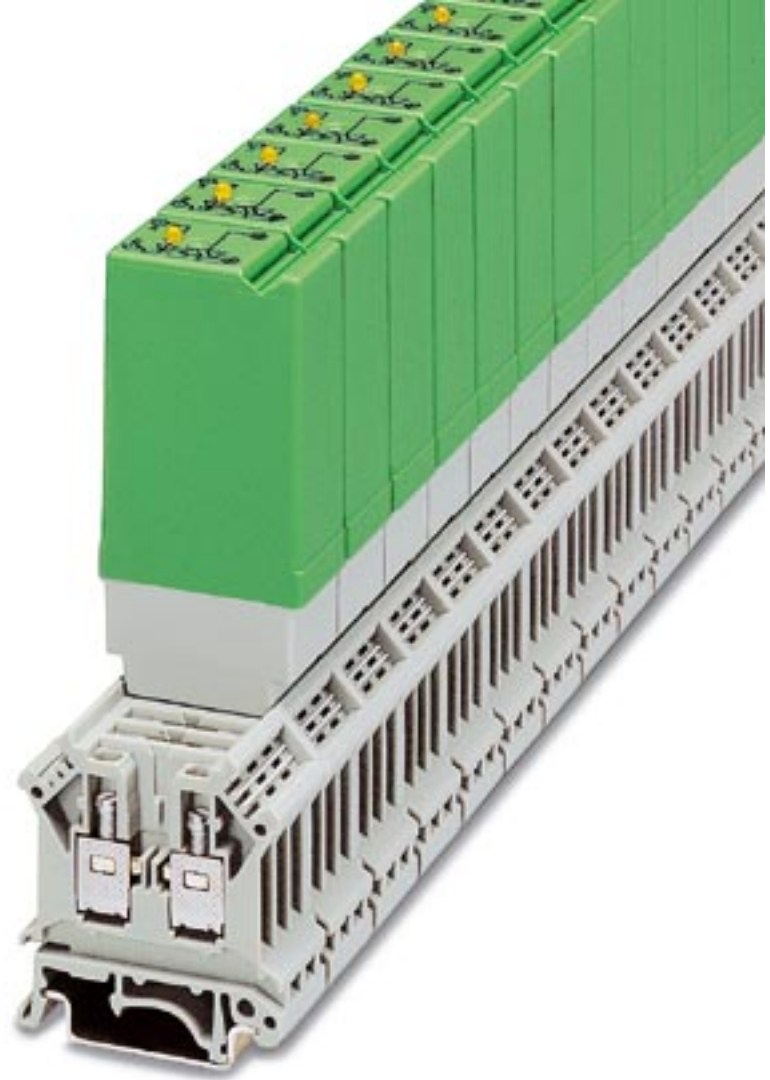


Figure may contain other products.

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