

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 figure shows version ST-OV 3-5 DC/240 AC/3

Your advantages

- ✓ Pluggable
- ✓ 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	10 pc
GTIN	 4 017918 079406
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
Input voltage range in reference to U_N	0.9 ... 1.1
Input voltage range	21.6 V DC ... 26.4 V DC
Switching threshold "0" signal in reference to U_N	≤ 0.4

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Technical data

Input data

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	Reverse polarity protection
	RC element
Protective circuit/component	RC element
Transmission frequency	10 Hz
Power dissipation for nominal condition	0.17 W

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
Degree of pollution	2
Overvoltage category	III

Standards and Regulations

Standards/regulations	IEC 60664
	EN 50178
Insulation	Basic insulation
Degree of pollution	2
Overvoltage category	III

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50

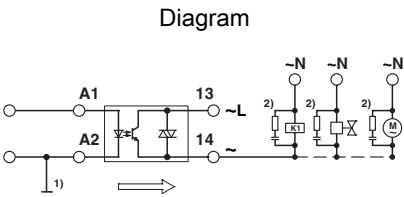
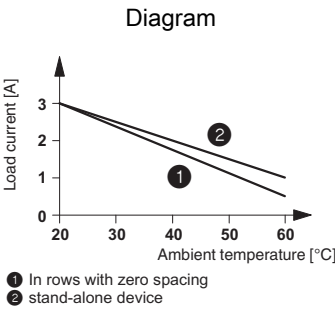
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Technical data

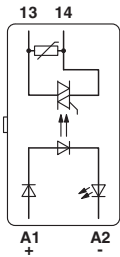
Environmental Product Compliance

	For details about hazardous substances go to tab “Downloads”, Category “Manufacturer’s declaration”
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Drawings



Circuit diagram



Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

EAC		RU C- DE.A*30.B.01082
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