

# Solid-state relays - ST-OV2- 24DC/ 24DC/5 - 2905491

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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: 3 - 30 V DC/max. 5 A, can be plugged into basic terminal blocks

The figure shows version ST-OV 2-5 DC/ 24 DC/5



## Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 079444
GTIN	4017918079444

## Technical data

### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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### Dimensions

Width	14.6 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
Input voltage range in reference to $U_N$	0.8 ... 1.2
Input voltage range	19.2 V DC ... 28.8 V DC
Switching threshold "0" signal in reference to $U_N$	$\leq 0.4$
Switching threshold "1" signal in reference to $U_N$	$\geq 0.8$

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## Technical data

### Input data

Typical input current at $U_N$	7 mA
Typical response time	50 $\mu$ s
Typical turn-off time	200 $\mu$ s
Status display	Yellow LED
Type of protection	Reverse polarity protection
	Surge protection
Protective circuit/component	Polarity protection diode
Transmission frequency	300 Hz

### Output data

Output voltage range	3 V DC ... 30 V DC
Limiting continuous current	5 A (see derating curve)
Peak offstate voltage	30 V DC (Collector-emitter reverse voltage)
Voltage drop at max. limiting continuous current	0.3 V
Output circuit	2-wire, floating
Type of protection	Reverse polarity protection
	Surge protection
Protective circuit/component	Polarity protection diode

### General

Test voltage input/output	2.5 kV AC
Mounting position	any
Standards/regulations	IEC 60664
	IEC 60664A
	DIN VDE 0110

### Standards and Regulations

Standards/regulations	IEC 60664
	IEC 60664A
	DIN VDE 0110

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Approvals

### Approvals

Approvals

EAC

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### Approvals

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Ex Approvals

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### Approval details

EAC



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DE.A\*30.B.01082

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