

## Solid-state relays - ST-OV3- 24DC/ 24DC/2 - 2905190

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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: short-circuit-proof, 10 - 30 V DC/max. 2 A, can be plugged into basic terminal blocks

The figure shows version ST-OV 3-5 DC/24 DC/2



### Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 079338
GTIN	4017918079338

### Technical data

#### Note

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

Width	20.8 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, voltage	$\leq 6.9$ V
Switching threshold "1" signal voltage	$\geq 8.5$ V

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### Technical data

#### Input data

Typical input current at $U_N$	5 mA
Typical response time	17 $\mu$ s
Typical turn-off time	104 $\mu$ s
Status display	Yellow LED
Type of protection	Reverse polarity protection
	Surge protection
Protective circuit/component	Polarity protection diode
Transmission frequency	1000 Hz

#### Output data

Output voltage range	10 V DC ... 30 V DC
Limiting continuous current	2 A (see derating curve)
Peak offstate voltage	35 V DC (Collector-emitter reverse voltage)
Voltage drop at max. limiting continuous current	1.5 V
Output circuit	3-conductor, ground-referenced
Status display	LED red
Type of protection	Reverse polarity protection
	Free running
Protective circuit/component	Polarity protection diode
	Damping diode

#### General

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

#### Standards and Regulations

Standards/regulations	DIN VDE 0110
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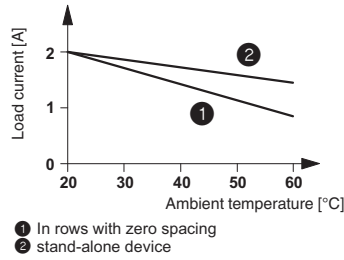
#### Environmental Product Compliance

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"

#### Drawings

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Diagram



## Approvals

### Approvals

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Approvals

EAC

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Ex Approvals

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### Approval details

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