

## Solid-state relays - ST-OV3- 24DC/ 60DC/3 - 2903228

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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: 12 - 60 V DC/max. 3 A, can be plugged into basic terminal blocks

The illustration shows version ST-OV 3- 5 DC/60 DC/3



### Key Commercial Data

Packing unit	10 STK
GTIN	 4 017918 079000
GTIN	4017918079000
Weight per Piece (excluding packing)	52.050 g
Custom tariff number	85364190
Country of origin	Germany

### 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

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## Technical data

### Input data

Input voltage range	19.2 V DC ... 28.8 V DC
Switching threshold "0" signal in reference to U <sub>N</sub>	≤ 0.4
Switching threshold "1" signal in reference to U <sub>N</sub>	≥ 0.8
Typical input current at U <sub>N</sub>	7 mA
Typical response time	20 μs
Typical turn-off time	200 μs
Transmission frequency	500 Hz

### Output data

Output voltage range	12 V DC ... 60 V DC
Limiting continuous current	3 A (see derating curve)
Surge current	5 A (t = 1 s)
Peak offstate voltage	70 V DC (Collector-emitter reverse voltage)
Voltage drop at max. limiting continuous current	1.2 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

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Approvals

### Approvals

Approvals

EAC / EAC


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### Approvals

Ex Approvals

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#### Approval details

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