

## Solid-state relays - ST-OV2-220DC/ 60DC/1 - 2905064

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Plug-in power solid-state relay, with LED and protective circuit in input and output circuits, input: 220 V DC, output: 12 - 60 V DC/max. 1 A, can be plugged into basic terminal blocks

The figure shows version ST-OV 2-5 DC/ 60 DC/1



### Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 079208
GTIN	4017918079208
Weight per Piece (excluding packing)	25.360 g
Custom tariff number	85364900
Country of origin	Germany
Note	Made to Order (non-returnable)

### Technical data

#### 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 $U_N$	220 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.2
Input voltage range	176 V DC ... 264 V DC
Switching threshold "0" signal in reference to $U_N$	$\leq 0.4$

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## Technical data

### Input data

Switching threshold "1" signal in reference to $U_N$	$\geq 0.8$
Typical input current at $U_N$	5 mA
Typical response time	20 $\mu$ 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	500 Hz

### Output data

Output voltage range	12 V DC ... 60 V DC
Limiting continuous current	1 A (see derating curve)
Surge current	5 A (t = 1 s)
Peak offstate voltage	60 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 and Regulations

Standards/regulations	DIN VDE 0110b, Gr. C for 250 V DC
	DIN VDE 0160 (in relevant parts)

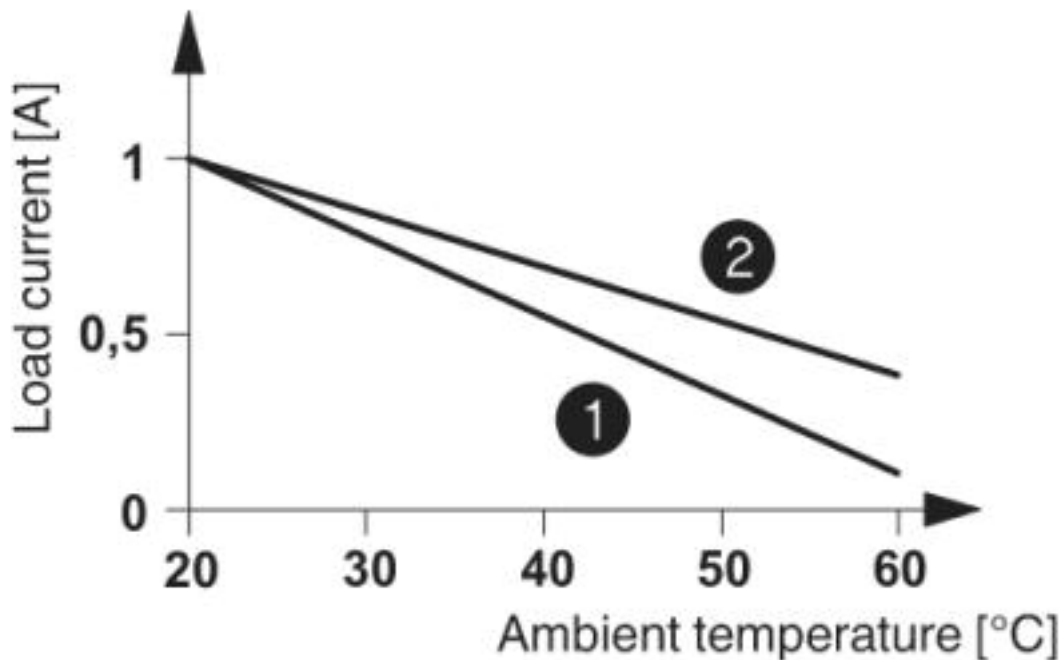
### Environmental Product Compliance

	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

## Solid-state relays - ST-OV2-220DC/ 60DC/1 - 2905064

Diagram



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

### Classifications

eCl@ss

eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371000
eCl@ss 5.1	27371000
eCl@ss 6.0	27371600
eCl@ss 7.0	27371604
eCl@ss 8.0	27371604
eCl@ss 9.0	27371604

ETIM

ETIM 2.0	EC001504
ETIM 3.0	EC001504
ETIM 4.0	EC001504
ETIM 5.0	EC001504
ETIM 6.0	EC001504
ETIM 7.0	EC001504

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## Classifications

### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39122326
UNSPSC 18.0	39122326
UNSPSC 19.0	39122326
UNSPSC 20.0	39122326
UNSPSC 21.0	39122326

## Approvals

### Approvals

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Approvals

EAC / EAC


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Ex Approvals

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### Approval details

EAC		TR_TS_D_00573_c
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EAC		TR_TS_S_00010_c
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