

## Solid-state relays - ST-OV3-230AC/ 60DC/3 - 2903037

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Plug-in power solid-state relay, with LED and protective circuit in input and output circuits, input: 230 V AC, output: 12 - 60 V DC/max. 3 A, can be plugged into basic terminal blocks

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



### Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 078881
GTIN	4017918078881
Weight per Piece (excluding packing)	56.990 g
Custom tariff number	85364900
Country of origin	Germany
Note	Made to Order (non-returnable)

### Technical data

#### 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 $U_N$	230 V AC
Input voltage range in reference to $U_N$	0.8 ... 1.2
Input voltage range	184 V AC ... 276 V AC
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 $U_N$	4 mA
Typical response time	3 ms
Typical turn-off time	13 ms
Transmission frequency	10 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 and Regulations

Standards/regulations	IEC 60664
	IEC 60664A
	DIN VDE 0110

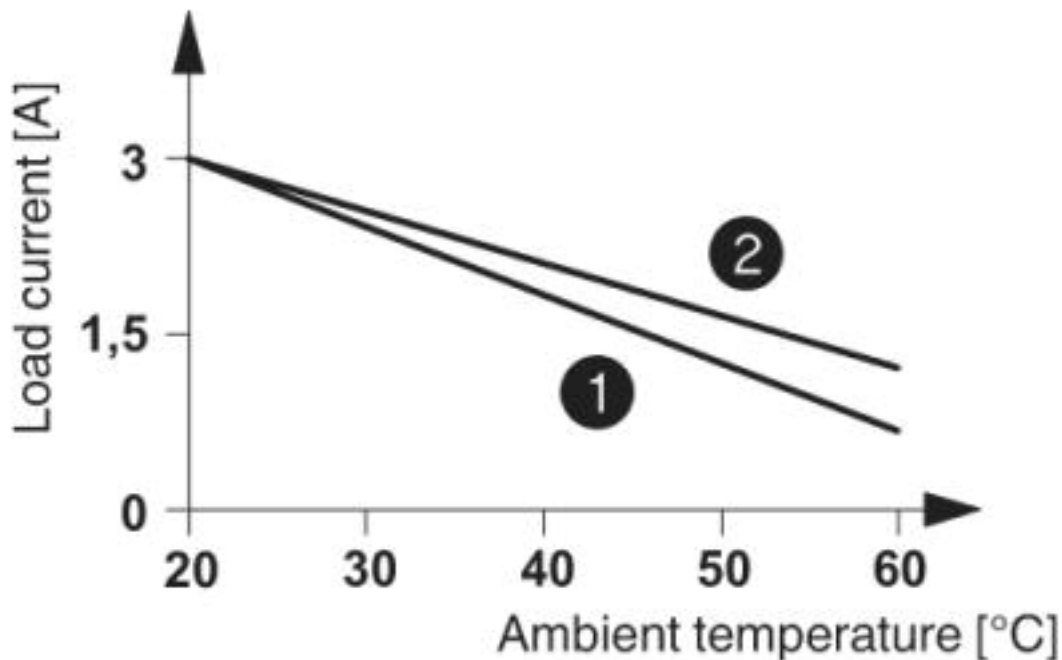
#### Environmental Product Compliance

	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-OV3-230AC/ 60DC/3 - 2903037

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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