

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

RoHS

Key Commercial Data

Packing unit	10 pc
GTIN	
GTIN	4017918079338
Weight per Piece (excluding packing)	30.230 g
Custom tariff number	85364190
Country of origin	Germany
Note	Made to Order (non-returnable)

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
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Input data

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	≤ 6.9 V
Switching threshold "1" signal voltage	≥ 8.5 V
Typical input current at U_N	5 mA
Typical response time	17 μ s
Typical turn-off time	104 μ 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 and Regulations

Standards/regulations	DIN VDE 0110
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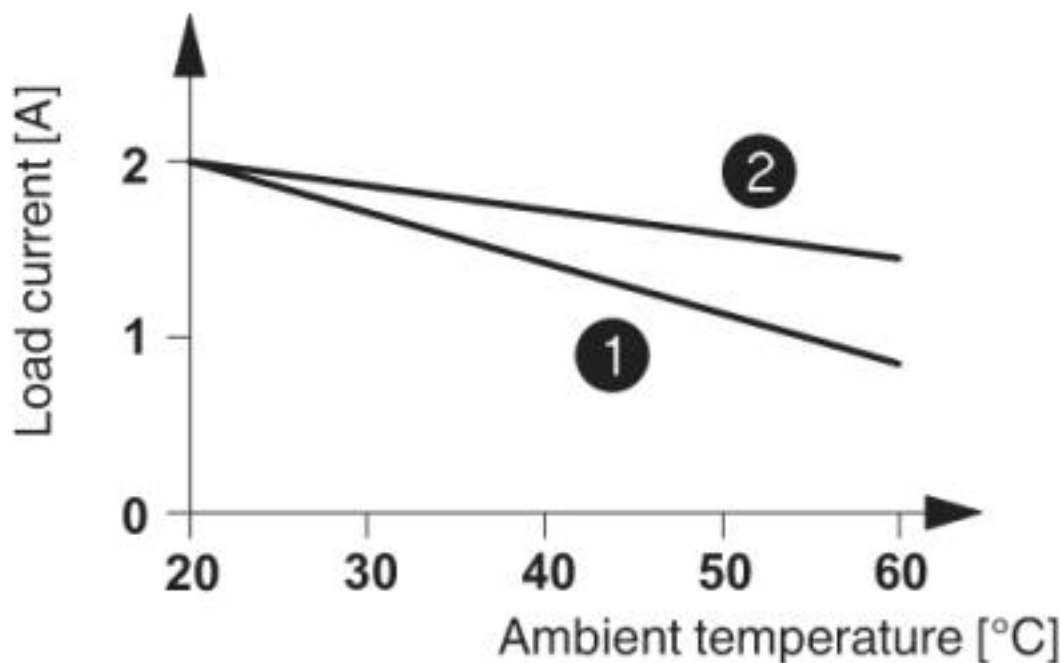
Environmental Product Compliance

	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- 24DC/ 24DC/2 - 2905190

Diagram



- ❶ In rows with zero spacing
- ❷ 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

Approvals

EAC

Ex Approvals

Approval details

EAC		TR_TS_D_00573_c
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