

Solid-state relays - ST-OV3- 5DC/ 60DC/3 - 2903325

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Plug-in power solid-state relay, with LED and protective circuit in input and output circuits, input: 5 V DC, 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 079055
GTIN	4017918079055

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	5 V DC
Input voltage range in reference to U_N	0.8 ... 1.2
Input voltage range	4 V DC ... 6 V DC
Switching threshold "0" signal in reference to U_N	≤ 0.4
Switching threshold "1" signal in reference to U_N	≥ 0.8

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Technical data

Input data

Typical input current at U_N	7 mA
Typical response time	20 μ s
Typical turn-off time	200 μ s
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

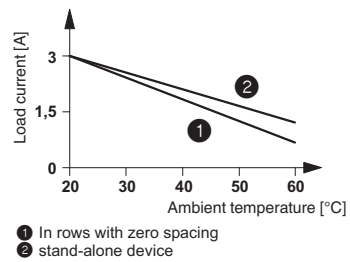
Environmental Product Compliance

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

Solid-state relays - ST-OV3- 5DC/ 60DC/3 - 2903325

Diagram



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