

Solid-state relays - ST-OV3-120AC/ 60DC/3 - 2903613

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Plug-in power solid-state relay, with LED and protective circuit in input and output circuits, input: 120 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

RoHS

Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 079062
GTIN	4017918079062

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	120 V AC
Input voltage range in reference to U_N	0.8 ... 1.2
Input voltage range	96 V AC ... 144 V AC
Switching threshold "0" signal in reference to U_N	≤ 0.4
Switching threshold "1" signal in reference to U_N	≥ 0.8
Typical input current at U_N	4 mA
Typical response time	3 ms
Typical turn-off time	13 ms

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Technical data

Input data

Transmission frequency	10 Hz
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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

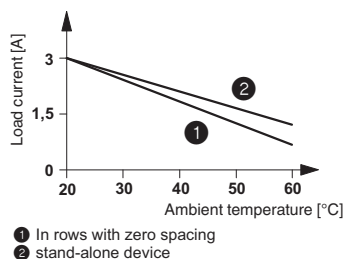
Standards/regulations	IEC 60664
	IEC 60664A
	DIN VDE 0110

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

Diagram



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Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

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