

Solid-state relays - ST-OV3- 5DC/240AC/3 - 2903639

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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: 24 - 280 V AC/max. 3 A, can be plugged into basic terminal blocks

RoHS

Key Commercial Data

Packing unit	10 pc
GTIN	
GTIN	4017918079079

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	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
Typical input current at U_N	10 mA
Typical response time	switch-on time: Max. one half cycle - zero-voltage crossing
Typical turn-off time	switch-off time Max. one half cycle - zero-current crossing
Operating voltage display	Yellow LED

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Technical data

Input data

Type of protection	Reverse polarity protection
Protective circuit/component	Polarity protection diode
Transmission frequency	25 Hz

Output data

Output voltage range	24 V AC ... 280 V AC
Limiting continuous current	3 A (see derating curve)
Min. load current	50 mA
Leakage current	5 mA (in off state - components with low minimum load and leakage currents on request.)
Surge current	35 A (t = 10 ms)
Max. load value	6 A ² s (I ² x t at t = 8.3 ms)
Peak offstate voltage	600 V
Voltage drop at max. limiting continuous current	1.5 V
Output circuit	2-wire, floating
Protective circuit/component	RC element

General

Test voltage input/output	2.5 kV AC
Mounting position	any
Standards/regulations	DIN VDE 0110

Standards and Regulations

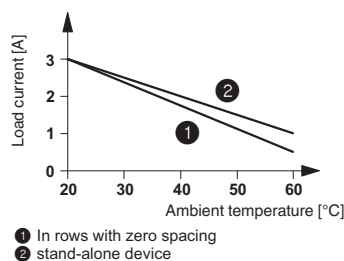
Standards/regulations	DIN VDE 0110
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Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

Drawings

Diagram



Approvals

Approvals

Solid-state relays - ST-OV3- 5DC/240AC/3 - 2903639

Approvals

Approvals

EAC

Ex Approvals

Approval details

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