

Solid-state relays - ST-OE3- 5DC/ 24DC/500 - 2911155

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Pluggable input optocoupler, with light indicator and protection circuits in the input and output circuits, input: 5 V DC, output: short-circuit resistant, 12-35 V DC/max. 500 mA, can be plugged on basic termination blocks

RoHS

Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 079574
GTIN	4017918079574

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	0.9 ... 1.1
Input voltage range	4.5 V DC ... 5.5 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	12 mA
Typical response time	50 μ s
Typical turn-off time	200 μ s
Status display	Yellow LED

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Technical data

Input data

Type of protection	Reverse polarity protection
Protective circuit/component	Polarity protection diode
	RC element
Transmission frequency	300 Hz

Output data

Output voltage range	12 V DC ... 35 V DC
Limiting continuous current	500 mA
Current limitation at short-circuits	620 mA (continued short-circuit resistant)
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
Output resistor	approx. 50 k Ω

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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