

Miniature solid-state relay - SIM-EI- 12DC/TTL/100 - 2271141

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Input solid-state relay, with protective circuit in input and output circuits, input: 12 V DC, output: TTL logic level, max. 100 mA

The figure shows version SIM-EI-5DC/TTL/100



Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 054182
GTIN	4017918054182

Technical data

Dimensions

Width	13 mm
Height	29 mm
Depth	25 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Input data

Nominal input voltage U_N	12 V AC
Input voltage range in reference to U_N	0.9 ... 1.1
Input voltage range	10.8 V DC ... 13.2 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	5.7 mA
Type of protection	Reverse polarity protection
Protective circuit/component	Polarity protection diode

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Technical data

Input data

Transmission frequency	4000 Hz
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Output data

Output voltage range	3 V DC ... 5.25 V DC
Limiting continuous current	100 mA
Fan out	1
Voltage drop at max. limiting continuous current	0.3 V
Output circuit	3-conductor, ground-referenced
Type of protection	Reverse polarity protection
	Free running
Protective circuit/component	Polarity protection diode
	Damping diode
Output resistor	approx. 390 Ω

General

Test voltage input/output	2.5 kV (50 Hz, 1 min.)
Mounting position	any
Assembly instructions	Can be aligned with 2 mm spacing
Standards/regulations	DIN VDE 0110

Standards and Regulations

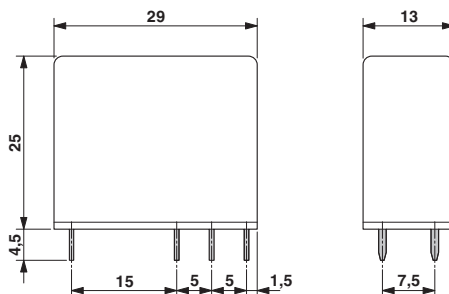
Standards/regulations	DIN VDE 0110
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Environmental Product Compliance

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

Drawings

Dimensional drawing



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PHOENIX CONTACT GmbH & Co. KG
Flachmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

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