Miniature solid-state relay - SIM-EI-220DC/48DC/100 - 2271109

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The figure shows version SIM-EI-5DC/48DC/100

Input solid-state relay, with protective circuit in input and output circuits, input: 220 V DC, output: 8 - 48 V DC/100 mA

RoHS

Key Commercial Data

Packing unit	10 pc
GTIN	4 017918 054144
GTIN	4017918054144

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	220 V DC
Input voltage range in reference to U_N	0.9 ... 1.1
Input voltage range	198 V DC ... 242 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	2.6 mA
Type of protection	Reverse polarity protection
Protective circuit/component	Polarity protection diode

ПРОМЭЛЕКТРОНИКА / sales@prom-elec.com

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Technical data

Input data

Transmission frequency	300 Hz

Output data

Output voltage range	8 V DC ... 48 V DC
Limiting continuous current	100 mA
Voltage drop at max. limiting continuous current	1 V
Output circuit	2-wire, floating
Type of protection	Reverse polarity protection
Protective circuit/component	Polarity protection diode

General

Test voltage input/output	2.5 kV (50 Hz, 1 min.)
Mounting position	any
Assembly instructions	Can be aligned with 2 mm spacing
Operating mode	100% operating factor
Standards/regulations	DIN VDE 0110

Standards and Regulations

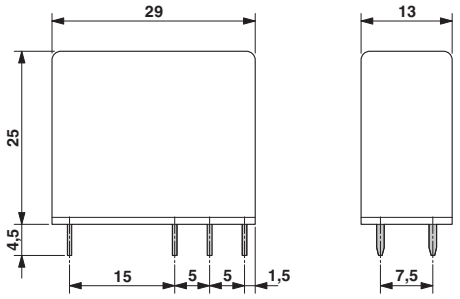
Standards/regulations	DIN VDE 0110

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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