

## Miniature solid-state relay - SIM-EI- 24DC/48DC/100 - 2271073

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Input solid-state relay, with protective circuit in input and output circuits, input: 24 V DC, output: 8 - 48 V DC/100 mA

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



### Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 054113
GTIN	4017918054113

### 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 $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.9 ... 1.1
Input voltage range	21.6 V DC ... 26.4 V DC
Switching threshold "0" signal in reference to $U_N$	$\leq 0.4$
Switching threshold "1" signal in reference to $U_N$	$\geq 0.8$
Typical input current at $U_N$	5.1 mA
Type of protection	Reverse polarity protection
Protective circuit/component	Polarity protection diode

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## Technical data

### Input data

Transmission frequency	600 Hz
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### 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

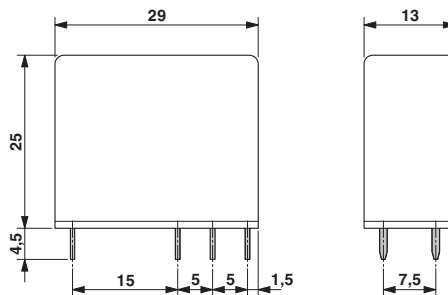
Standards/regulations	DIN VDE 0110
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### Environmental Product Compliance

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

Dimensional drawing



## Approvals

### Approvals

Approvals

EAC

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### Approvals

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Ex Approvals

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### Approval details

EAC



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DE.A\*30.B.01082

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