

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


Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)



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	1 pc
GTIN	 4 017918 054113
GTIN	4017918054113
Weight per Piece (excluding packing)	20.320 g
Custom tariff number	85364190
Country of origin	Germany

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

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

Technical data

Input data

Input voltage range	21.6 V DC ... 26.4 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	5.1 mA
Type of protection	Reverse polarity protection
Protective circuit/component	Polarity protection diode
Transmission frequency	600 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 and Regulations

Standards/regulations	DIN VDE 0110
-----------------------	--------------

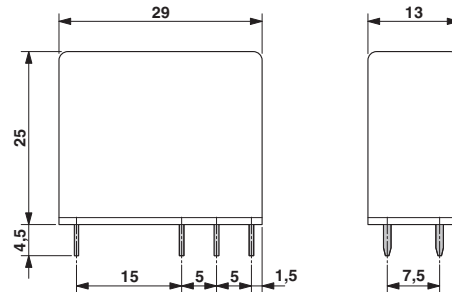
Environmental Product Compliance

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

Drawings

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

Dimensional drawing



Classifications

eCl@ss

eCl@ss 5.0	27371001
eCl@ss 5.1	27371000
eCl@ss 6.0	27371600
eCl@ss 7.0	27371604
eCl@ss 8.0	27371604
eCl@ss 9.0	27371604

ETIM

ETIM 2.0	EC001504
ETIM 3.0	EC001504
ETIM 4.0	EC001504
ETIM 5.0	EC001504
ETIM 6.0	EC001504
ETIM 7.0	EC001504

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121542
UNSPSC 11	39121542
UNSPSC 12.01	39121542
UNSPSC 13.2	39122326