

## Miniature solid-state relay - SIM-EI-OV- 24DC/ 24DC/3 - 2300096

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Power solid-state relay, with protective circuit in input and output circuits, 24 V DC. DC voltage output of 3 A, max.

RoHS

### Key Commercial Data

Packing unit	10 pc
GTIN	
GTIN	4017918887193

### Technical data

#### Dimensions

Width	13 mm
Height	29 mm
Depth	25 mm

#### Ambient conditions

Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

#### Input data

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.2
Input voltage range	19.2 V DC ... 28.8 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 $U_N$	7 mA
Type of protection	Reverse polarity protection
	Surge protection
Transmission frequency	300 Hz

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## Technical data

### Output data

Output nominal voltage	24 V DC
Output voltage range	3 V DC ... 33 V DC
Limiting continuous current	3 A (see derating curve)
Maximum inrush current	15 A (10 ms)
Voltage drop at max. limiting continuous current	≤ 200 mV
Output circuit	2-wire, floating
Type of protection	Reverse polarity protection
	Surge 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
Standards/regulations	DIN VDE 0110

### Standards and Regulations

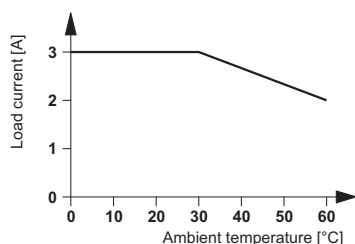
Standards/regulations	DIN VDE 0110
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### Environmental Product Compliance

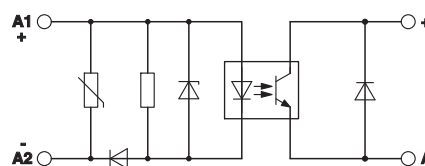
REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Diagram



Circuit diagram



Derating curve for SIM-EI-OV-24 DC/24 DC/3

## Approvals

### Approvals

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### Approvals

Approvals


EAC

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Ex Approvals

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### Approval details

EAC		RU C- DE.A*30.B.01082
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