



Extract from the online catalog

## SIM-EI-OV- 24DC/ 24DC/3

Order No.: 2300096



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2300096>

Power optocoupler, with protection circuits in 24 V DC input and output circuits. Direct current voltage output max. 3 A

Commercial data	
EAN	4017918887193
Pack	10 pcs.
Customs tariff	85364190
Weight/Piece	0.02011 KG
Catalog page information	Page 299 (IF-2009)

### Product notes

WEEE/RoHS-compliant since:  
12/19/2006



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## Technical data

Input data	
Nominal input voltage $U_N$	24 V DC $\pm 20\%$
Input voltage range in reference to $U_N$	0.8 ... 1.2
Switching threshold "0" signal in reference to $U_N$	$\leq 0.4$
Switching threshold "1" signal in reference to $U_N$	$\geq 0.8$

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Typical input current at $U_N$	7 mA
Name of protection	Polarity protection
	Surge protection
Transmission frequency	300 Hz

#### Output data

Output nominal voltage	24 V DC
Output nominal 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	$\leq 200$ mV
Output circuit	2-conductor floating
Name of protection	Polarity protection
	Surge protection
Protective circuit/component	Polarity protection diode

#### General data

Width	13 mm
Height	25 mm
Depth	29 mm
Ambient temperature (operation)	-20 °C ... 60 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Mounting position	Any
Assembly instructions	Can be aligned with 2 mm spacing
Standards/regulations	DIN VDE 0110

#### Certificates / Approvals



Certification

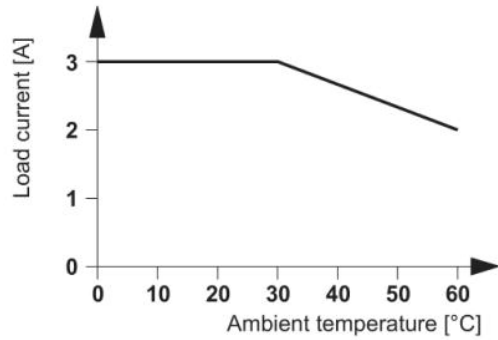
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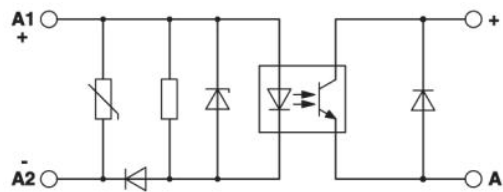
## Drawings

### Diagram

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



### Circuit diagram



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