


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

Order No.: 2300096

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

Commercial data

GTIN (EAN)	 4 017918 887193
sales group	G150
Pack	10 pcs.
Customs tariff	85364190
Catalog page information	Page 299 (IF-2009)

Product notesWEEE/RoHS-compliant since:
12/19/2006

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Technical data**Input data**

Nominal input voltage U_N	24 V DC ± 20 %
Input voltage range in reference to U_N	0.8 ... 1.2
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	7 mA
Type of protection	Protection against polarity reversal
	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	≤ 200 mV
Output circuit	2-wire, floating
Type of protection	Protection against polarity reversal
	Surge protection
Protective circuit/component	Polarity protection diode

General data

Width	13 mm
Height	29 mm
Depth	25 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



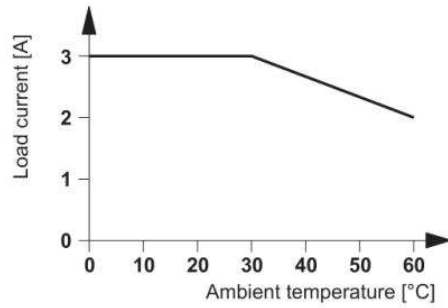
Certification

GOST

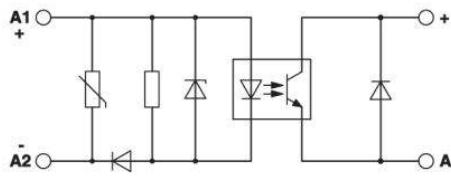
Diagrams/Drawings

Diagram

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



Circuit diagram



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