

IEG-OV-S0/120DC/1 - Solid-state relay module



2964568

<https://www.phoenixcontact.com/us/products/2964568>

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Power solid-state relay, for S0 meter interfaces, output: 15 - 120 V DC

Commercial data

Item number	2964568
Packing unit	10 pc
Minimum order quantity	1 pc
Product key	DK66M3
GTIN	4017918139254
Weight per piece (including packing)	71.81 g
Weight per piece (excluding packing)	71.11 g
Country of origin	DE

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Technical data

Product properties

Product type	Solid-state relay module
Insulation characteristics	
Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2
Data management status	
Date of last data management	15.09.2025

Electrical properties

Rated insulation voltage	300 V
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Input data

Typical response time	1 ms
Typical turn-off time	1 ms
Status display	LED
Protective circuit	Reverse polarity protection; Polarity protection diode Surge protection
Transmission frequency	10 Hz

S0 input

Input current "0" signal	< 2 mA
Input current "1" signal	10 mA ... 27 mA

Output data

Design of digital output	electronic
Output voltage range	15 V DC ... 120 V DC
Limiting continuous current	1.5 A (maximum)
Voltage drop at max. limiting continuous current	1.4 V DC
Output circuit	2-conductor, floating
Protective circuit	Reverse polarity protection Surge protection

Connection data

Input side

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Conductor cross-section flexible	0.2 mm ² ... 4 mm ²
Conductor cross-section AWG	24 ... 12

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Output side

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross-section rigid	0.2 mm ² ... 4 mm ²
Conductor cross-section flexible	0.2 mm ² ... 4 mm ²
Conductor cross-section AWG	24 ... 12

Dimensions

Width	27 mm
Height	79 mm
Depth	74 mm

Environmental and real-life conditions

Ambient conditions

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

Approvals

CE

Certificate	CE-compliant
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EMC data

Electromagnetic compatibility	Conformance with EMC directive
Low Voltage Directive	Conformance with Low Voltage Directive
Noise immunity	EN 61000-6-2

Noise emission

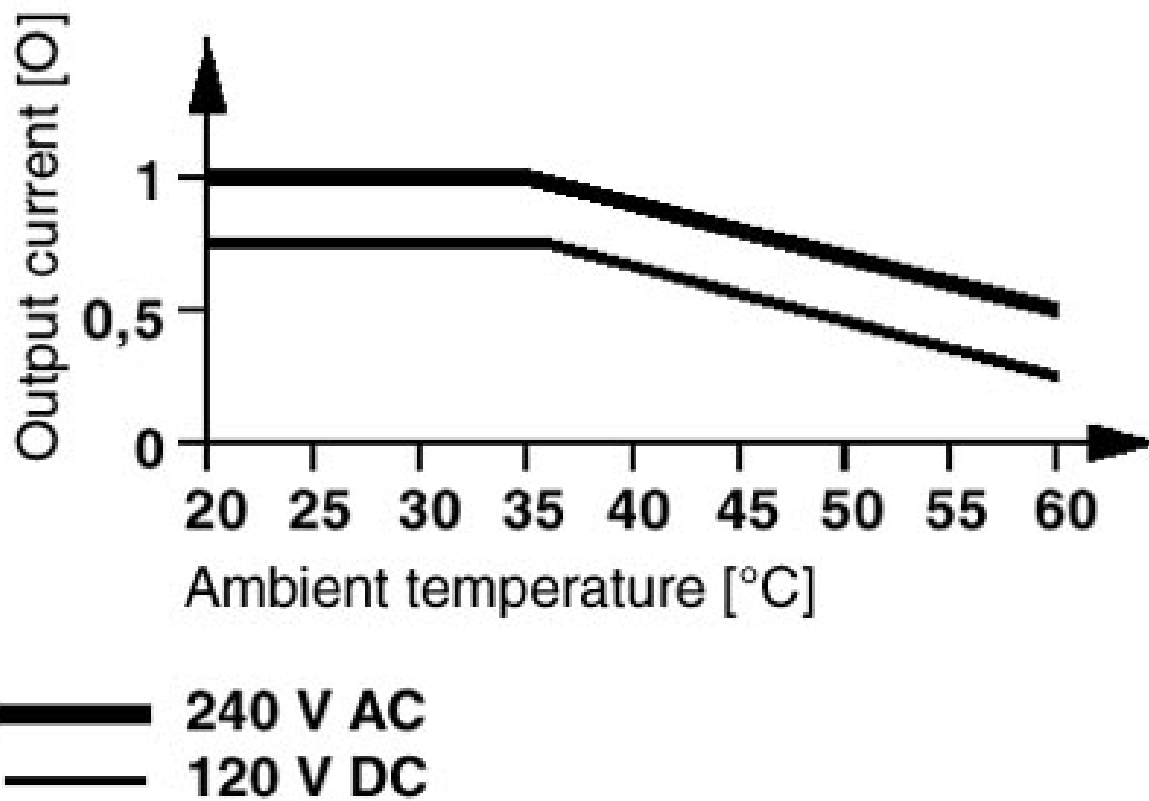
Standards/regulations	EN 61000-6-4
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Mounting

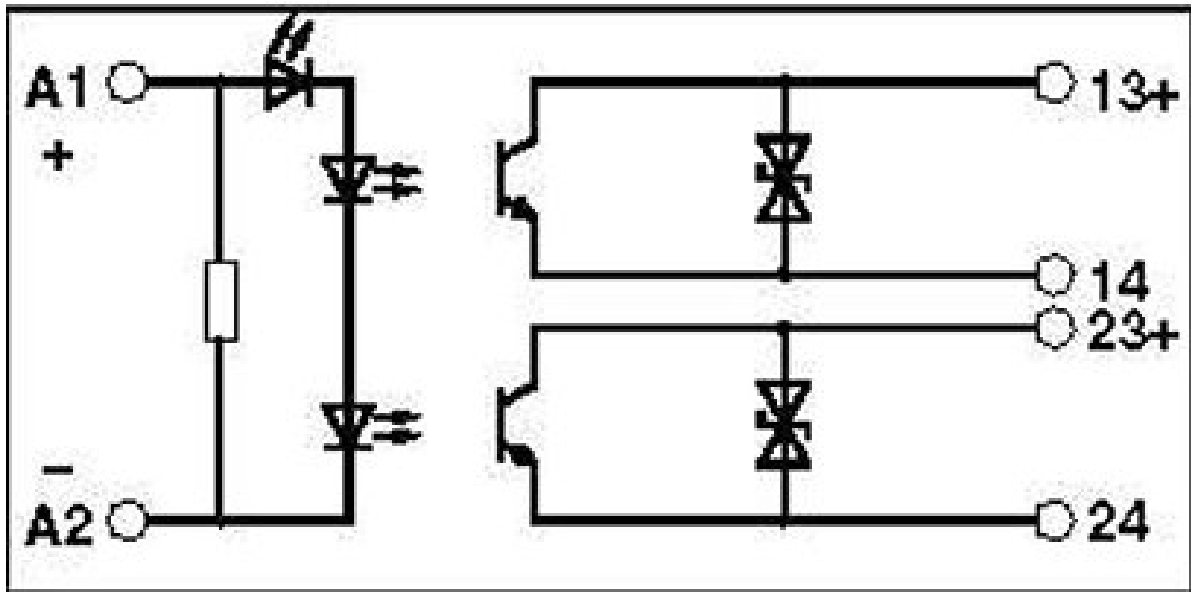
Mounting type	DIN rail mounting
Mounting position	any

Drawings

Diagram



Circuit diagram



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Environmental product compliance

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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