

# EMG 30-SIM-EI/48DC/2/TP/SO142 - Solid-state relay module



2319223

<https://www.phoenixcontact.com/us/products/2319223>

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 documentation. Our general terms of use for downloads are valid.



Relay module, with a miniature solid-state relay, 1 N/O contact and TERMI-POINT® connection, input voltage 24 V DC

## Commercial data

Item number	2319223
Packing unit	5 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Product key	DK61CY
GTIN	4046356342636
Weight per piece (including packing)	97.18 g
Weight per piece (excluding packing)	93.17 g
Country of origin	DE

# EMG 30-SIM-EI/48DC/2/TP/SO142 - Solid-state relay module



2319223

<https://www.phoenixcontact.com/us/products/2319223>

## Technical data

### Notes

#### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
----------	---

### Product properties

Product type	Solid-state relay module
--------------	--------------------------

#### Insulation characteristics: Air clearances and creepage distances

Insulation	Basic insulation
Overvoltage category	II
Pollution degree	2

#### Data management status

Date of last data management	15.09.2025
------------------------------	------------

### Electrical properties

#### Air clearances and creepage distances

Rated insulation voltage	60 V
Rated surge voltage	0.6 kV

### Input data

Rated control circuit supply voltage $U_S$	24 V DC
Voltage range with reference to $U_S$	0.8 ... 1.3
Input voltage range	19.2 V DC ... 31.2 V DC
Protective circuit	Freewheeling diode
Transmission frequency	300 Hz

### Output data

Designation	Signal contact
Contact switching type	1 N/O contact
Output nominal voltage	60 V AC/DC
Limiting continuous current	1 A

#### Switching

Contact switching type	1 N/O contact
Note	Signal contact
Maximum switching voltage	60 V AC/DC
Limiting continuous current	1 A

### Dimensions

Width	30 mm
Height	75 mm

# EMG 30-SIM-EI/48DC/2/TP/SO142 - Solid-state relay module



2319223

<https://www.phoenixcontact.com/us/products/2319223>

Depth	71 mm
-------	-------

## Material specifications

Color	green (RAL 6021)
-------	------------------

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
---------------------------------	------------------

## Standards and regulations

### Air clearances and creepage distances

Standards/regulations	DIN EN 50178
-----------------------	--------------

## Mounting

Mounting position	any
-------------------	-----

# EMG 30-SIM-EI/48DC/2/TP/SO142 - Solid-state relay module



2319223

<https://www.phoenixcontact.com/us/products/2319223>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes, No exemptions
---	--------------------

### 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%
-------------------------------------	----------------------------

Phoenix Contact 2026 © - all rights reserved

<https://www.phoenixcontact.com>

Phoenix Contact USA  
586 Fulling Mill Road  
Middletown, PA 17057, United States  
(+717) 944-1300  
[info@phoenixcon.com](mailto:info@phoenixcon.com)