

EMG 25-REL/KSR- 24/21-21/SO16 - Relay module



2942700

<https://www.phoenixcontact.com/us/products/2942700>

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Relay module, with soldered-in miniature switching relay, contact (AgNi): medium to large loads, 2 changeover contacts, input voltage 24 V AC/DC

Commercial data

Item number	2942700
Packing unit	10 pc
Minimum order quantity	10 pc
Product key	DK61Y1
GTIN	4017918278670
Weight per piece (including packing)	70.7 g
Weight per piece (excluding packing)	70.7 g
Country of origin	DE

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Technical data

Notes

Utilization restriction

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

Product type	Relay Module
Mechanical service life	10x 10 ⁶ cycles

Insulation characteristics: Air clearances and creepage distances, input/output

Insulation	Reinforced insulation
Overvoltage category	III
Pollution degree	2

Insulation characteristics: Air and creepage distances, output/output

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

Data management status

Date of last data management	01.04.2026
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Electrical properties

Maximum power dissipation for nominal condition	0.67 W
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Air clearances and creepage distances, input/output

Rated insulation voltage	260 V
Rated surge voltage	6 kV (1.2/50 µs)

Air and creepage distances, output/output

Rated insulation voltage	260 V
Rated surge voltage	4 kV (1.2/50 µs)

Input data

Coil side

Nominal input voltage U_N	24 V AC/DC
Input voltage range	21.6 V AC/DC ... 26.4 V AC/DC (20 °C)
Typical input current at U_N	28 mA
Typical response time	13 ms
Typical release time	10 ms
Protective circuit	Bridge rectifier; Bridge rectifier

Output data

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Switching

Contact switching type	Single contact, 2 changeover contacts
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	1500 VA (for 250 V AC)

Connection data

Coil 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 ... 2.5 mm ²
Conductor cross-section AWG	24 ... 12

Contact side

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
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Conductor cross-section AWG	24 ... 12

Dimensions

Item dimensions

Width	47.5 mm
Height	75 mm
Depth	25 mm

Material specifications

Color	green (RAL 6021)
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP00
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-20 °C ... 50 °C
Altitude	≤ 2000 m

Standards and regulations

Air clearances and creepage distances, input/output

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Standards/regulations	DIN EN 50178: 1998-04
Air and creepage distances, output/output	
Standards/regulations	DIN EN 50178: 1998-04

Mounting

Mounting type	DIN rail mounting
Mounting position	any

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Classifications

ECLASS

ECLASS-13.0	27371601
ECLASS-15.0	27371601

ETIM

ETIM 10.0	EC001437
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UNSPSC

UNSPSC 21.0	39122300
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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c), 7(a)

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.)	Lead(CAS: 7439-92-1)
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EF3.1 Climate Change

CO2e kg	2.168 kg CO2e
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