

# EMG 12-REL/KSR- 24/1 SO98 - Relay module



2941620

<https://www.phoenixcontact.com/us/products/2941620>

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Relay module, with soldered-in miniature switching relay, contacts (AgCdO): medium to large loads, 1 N/O contact, input voltage 24 V AC/DC

## Commercial data

Item number	2941620
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DK614Y
GTIN	4017918248000
Weight per piece (including packing)	46.25 g
Weight per piece (excluding packing)	46.25 g
Customs tariff number	85364190
Country of origin	DE

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## Technical data

### Product properties

Product type	Relay Module
Mechanical service life	approx. $2 \times 10^7$ cycles

### Insulation characteristics

Overvoltage category	III
Pollution degree	2

### Data management status

Date of last data management	12.09.2025
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### Electrical properties

Test voltage (Winding/contact)	4 kV AC (50 Hz, 1 min., winding/contact)
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### Input data

#### Coil side

Nominal input voltage $U_N$	24 V AC/DC
Input voltage range in reference to $U_N$	0.8 ... 1.1
Typical input current at $U_N$	21 mA
Typical response time	7 ms
Typical release time	11 ms
Protective circuit	Bridge rectifier
Operating voltage display	Yellow LED

### Output data

#### Switching

Contact switching type	Single contact, 1 N/O contact
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A
Maximum inrush current	8 A
Interrupting rating (ohmic load) max.	95 W (at 24 V DC)
	50 W (at 48 V DC)
	45 W (at 60 V DC)
	35 W (at 110 V DC)
	55 W (at 220 V DC)
	1500 VA (for 250 V AC)

#### Switching: when the gold layer is destroyed

Maximum switching voltage	30 V AC
	36 V DC

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Maximum inrush current	0.2 A
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## Dimensions

Width	12.5 mm
Height	75 mm
Depth	62.5 mm

## Material specifications

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

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

## Mounting

Assembly note	in rows with zero spacing
Mounting position	any

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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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