

# EMG 10-REL/KSR-G 24/21-LCU AU - Relay module



2940388

<https://www.phoenixcontact.com/us/products/2940388>

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 soldered-in miniature switching relay, gold contact for small loads, 1 changeover contact, input voltage 24 V DC, design rotated 180°

## Your advantages

- Integrated input circuit and interference suppression circuit

## Commercial data

Item number	2940388
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	DK61C2
GTIN	4017918104498
Weight per piece (including packing)	41.36 g
Weight per piece (excluding packing)	41.36 g
Customs tariff number	85364190
Country of origin	DE

2940388

<https://www.phoenixcontact.com/us/products/2940388>

## Technical data

### Product properties

Product type	Relay Module
Application	Universal
Operating mode	100% operating factor
Mechanical service life	approx. $2 \times 10^7$ cycles

### Insulation characteristics

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

### Data management status

Date of last data management	01.04.2026
------------------------------	------------

### Electrical properties

Maximum power dissipation for nominal condition	0.5 W
Test voltage (Winding/contact)	4 kV AC (50 Hz, 1 min., winding/contact)

### Input data

#### Coil side

Nominal input voltage $U_N$	24 V DC
Input voltage range	19.2 V DC ... 26.4 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.1
Drive and function	monostable
Typical input current at $U_N$	21 mA
Typical response time	7 ms
Typical release time	11 ms
Protective circuit	Reverse polarity protection; Polarity protection diode Freewheeling diode; Freewheeling diode
Operating voltage display	Yellow LED

### Output data

#### Switching

Contact switching type	Double contact, 1 changeover contact
Type of switch contact	Double contact
Contact material	AgPd60, hard gold-plated
Maximum switching voltage	30 V AC 36 V DC
Limiting continuous current	0.5 A
Maximum inrush current	0.2 A
Interrupting rating (ohmic load) max.	5 W (at 24 V DC)

# EMG 10-REL/KSR-G 24/21-LCU AU - Relay module



2940388

<https://www.phoenixcontact.com/us/products/2940388>

Switching: when the gold layer is destroyed

Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	125 V AC 150 V DC
Limiting continuous current	2 A
Maximum inrush current	2 A
Interrupting rating (ohmic load) max.	29 W (at 24 V DC) 29 W (at 48 V DC) 29 W (at 60 V DC)

## Connection data

Coil side

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

Contact side

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

## Dimensions

Width	10.6 mm
Height	75 mm
Depth	62.5 mm

## Material specifications

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

## Environmental and real-life conditions

Ambient conditions

Ambient temperature (operation)	-20 °C ... 40 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

## Standards and regulations

Standards/regulations	IEC 60664
-----------------------	-----------

# EMG 10-REL/KSR-G 24/21-LCU AU - Relay module



2940388

<https://www.phoenixcontact.com/us/products/2940388>

	EN 50178
--	----------

## Mounting

Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	any

# EMG 10-REL/KSR-G 24/21-LCU AU - Relay module

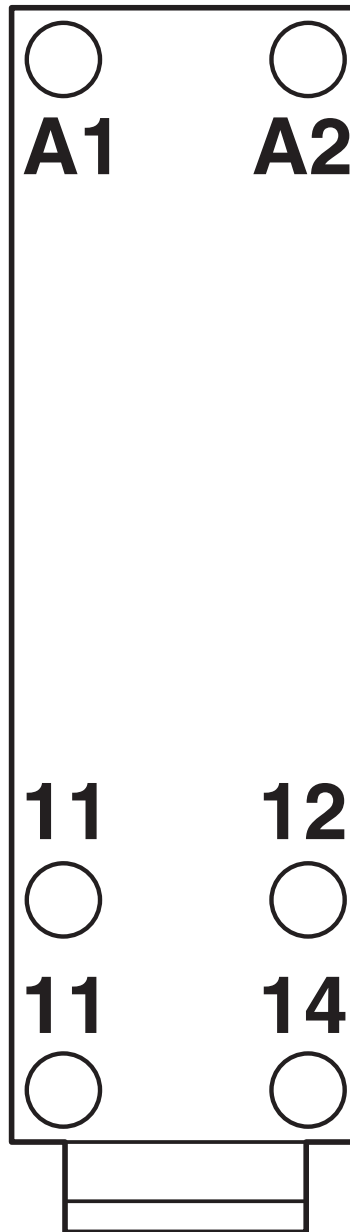
2940388

<https://www.phoenixcontact.com/us/products/2940388>



## Drawings

Connection diagram



# EMG 10-REL/KSR-G 24/21-LCU AU - Relay module



2940388

<https://www.phoenixcontact.com/us/products/2940388>

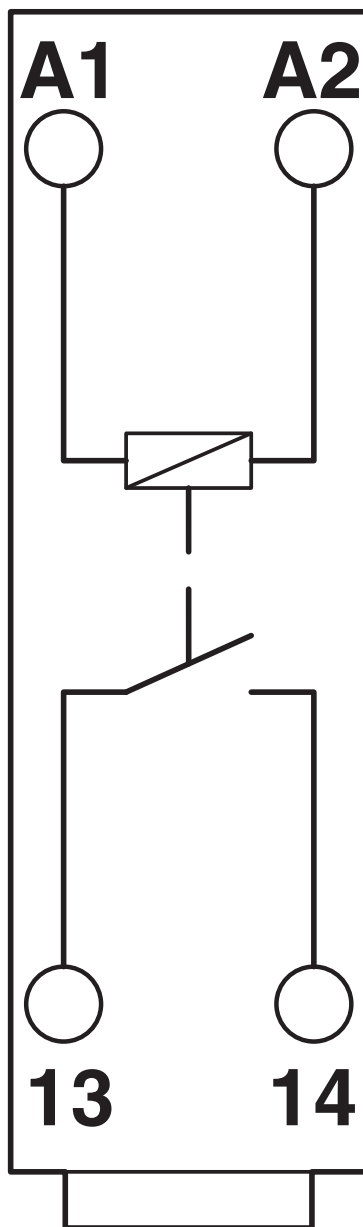
Circuit diagram



2940388

<https://www.phoenixcontact.com/us/products/2940388>

Circuit diagram



# EMG 10-REL/KSR-G 24/21-LCU AU - Relay module



2940388

<https://www.phoenixcontact.com/us/products/2940388>

## Classifications

### UNSPSC

UNSPSC 21.0	39122334
-------------	----------

2940388

<https://www.phoenixcontact.com/us/products/2940388>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	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)
-------------------------------------	----------------------

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)