

EMG 10-REL/KSR-G 24/ 1-LCU AU - Relay Module



2940362

<https://www.phoenixcontact.com/us/products/2940362>

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 N/O contact, input voltage 24 V DC, design rotated by 180°

Your advantages

- Integrated input circuit and interference suppression circuit

Commercial data

Item number	2940362
Packing unit	10 pc
Minimum order quantity	1 pc
Product key	CK6141
Catalog page	Page 133 (IF-2011)
GTIN	4017918104474
Weight per piece (including packing)	36.52 g
Weight per piece (excluding packing)	36.52 g
Country of origin	DE

EMG 10-REL/KSR-G 24/ 1-LCU AU - Relay Module



2940362

<https://www.phoenixcontact.com/us/products/2940362>

Technical data

Product properties

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

Insulation characteristics

Insulation	Basic insulation
------------	------------------

Insulation characteristics

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

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 N/O 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/ 1-LCU AU - Relay Module



2940362

<https://www.phoenixcontact.com/us/products/2940362>

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 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
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

Dimensions

Width	10.6 mm
Height	75 mm
Depth	53.5 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/ 1-LCU AU - Relay Module



2940362

<https://www.phoenixcontact.com/us/products/2940362>

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

Mounting

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

EMG 10-REL/KSR-G 24/ 1-LCU AU - Relay Module

2940362

<https://www.phoenixcontact.com/us/products/2940362>



Drawings

Connection diagram



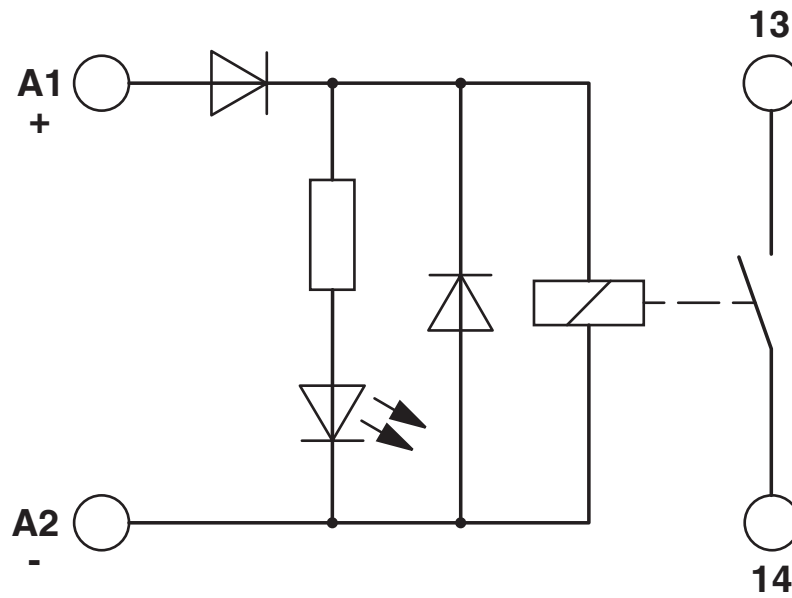
EMG 10-REL/KSR-G 24/ 1-LCU AU - Relay Module

2940362

<https://www.phoenixcontact.com/us/products/2940362>



Circuit diagram



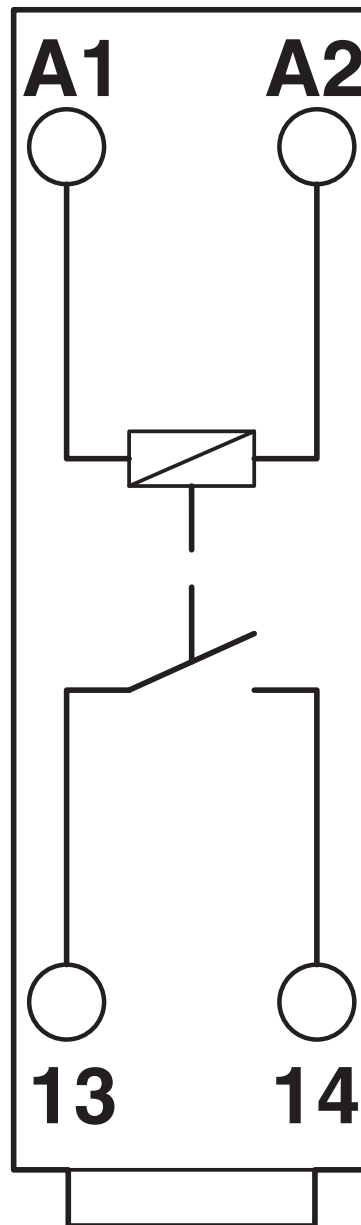
EMG 10-REL/KSR-G 24/ 1-LCU AU - Relay Module

2940362

<https://www.phoenixcontact.com/us/products/2940362>



Circuit diagram



EMG 10-REL/KSR-G 24/ 1-LCU AU - Relay Module



2940362

<https://www.phoenixcontact.com/us/products/2940362>

Classifications

ECLASS

ECLASS-11.0	27371601
-------------	----------

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%
-------------------------------------	----------------------------

EMG 10-REL/KSR-G 24/ 1-LCU AU - Relay Module



2940362

<https://www.phoenixcontact.com/us/products/2940362>

Accessories

EMG-SGKS 10 - Marking material

2947585

<https://www.phoenixcontact.com/us/products/2947585>

Equipment marker, narrow



Phoenix Contact 2024 © - 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