

EMG 12-REL/KSR- 24/1AU - Relay module



2944782

<https://www.phoenixcontact.com/us/products/2944782>

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, contact (AgPd60 5 µm hard gold-plated): medium to large loads, 1 N/O contact, 24 V AC/DC input voltage

Commercial data

Item number	2944782
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	CK6141
GTIN	4017918081706
Weight per piece (including packing)	46.09 g
Weight per piece (excluding packing)	46.09 g
Customs tariff number	85364190
Country of origin	DE

EMG 12-REL/KSR- 24/1AU - Relay module



2944782

<https://www.phoenixcontact.com/us/products/2944782>

Technical data

Product properties

Product type	Relay Module
Operating mode	100% operating factor
Mechanical service life	2x 10 ⁷ cycles

Data management status

Date of last data management	20.04.2023
Article revision	08

Insulation characteristics

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

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 AC/DC
Input voltage range	19.2 V AC/DC ... 26.4 V AC/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	Bridge rectifier; Bridge rectifier
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 5 µm 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)

Switching: when the gold layer is destroyed

EMG 12-REL/KSR- 24/1AU - Relay module



2944782

<https://www.phoenixcontact.com/us/products/2944782>

Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	125 V AC
Minimum switching voltage	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	17.5 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 ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Mounting

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

EMG 12-REL/KSR- 24/1AU - Relay module



2944782

<https://www.phoenixcontact.com/us/products/2944782>

Classifications

ECLASS

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

UNSPSC

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

EMG 12-REL/KSR- 24/1AU - Relay module



2944782
<https://www.phoenixcontact.com/us/products/2944782>

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 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