

EMK 12-REL/MSR- 24/1AU - Relay Module



2942674

<https://www.phoenixcontact.com/us/products/2942674>

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.



Customer-specific relay module, 1 N/O contact, 24 V AC/DC input voltage

Commercial data

Item number	2942674
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	CK614Y
GTIN	4017918080815
Weight per piece (including packing)	32.82 g
Weight per piece (excluding packing)	32.82 g
Customs tariff number	85364190
Country of origin	DE

EMK 12-REL/MSR- 24/1AU - Relay Module



2942674

<https://www.phoenixcontact.com/us/products/2942674>

Technical data

Product properties

Product type	Relay Module
Mechanical service life	3x 10 ⁷ cycles

Insulation characteristics

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

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

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

Electrical properties

Air clearances and creepage distances, input/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	19.2 V AC/DC ... 26.4 V AC/DC (20 °C)
Typical input current at U _N	12 mA
Protective circuit	Bridge rectifier; 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 0,15 + HTV (hard gold-plated)
Maximum switching voltage	60 V AC/DC (If the specified maximum values are exceeded, the gold layer will be destroyed.)
Limiting continuous current	0.2 A (If the specified maximum values are exceeded, the gold layer will be destroyed.)
Interrupting rating (ohmic load) max.	12 VA (for 250 V AC)

Switching: when the gold layer is destroyed

Maximum switching voltage	250 V AC/DC
Limiting continuous current	5 A
Interrupting rating (ohmic load) max.	1250 VA (for 250 V AC)

Connection data

EMK 12-REL/MSR- 24/1AU - Relay Module



2942674

<https://www.phoenixcontact.com/us/products/2942674>

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	12.5 mm
Height	60 mm
Depth	47.5 mm

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

Standards/regulations	DIN EN 50178: 1998-04
-----------------------	-----------------------

Mounting

Mounting type	DIN rail mounting
Mounting position	any

EMK 12-REL/MSR- 24/1AU - Relay Module



2942674

<https://www.phoenixcontact.com/us/products/2942674>

Classifications

ECLASS

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

ETIM

ETIM 8.0	EC001437
----------	----------

UNSPSC

UNSPSC 21.0	39122300
-------------	----------

EMK 12-REL/MSR- 24/1AU - Relay Module



2942674
<https://www.phoenixcontact.com/us/products/2942674>

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