

EMG 22-REL/KSR- 60/21 - Relay module



2951911
<https://www.phoenixcontact.com/us/products/2951911>

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 (AgNi): medium to large loads, 1 changeover contact, input voltage 60 V AC/DC

Your advantages

- Safe isolation between coil and contact side
- Integrated input circuit and interference suppression circuit

Commercial data

Item number	2951911
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	CK6142
Catalog page	Page 135 (IF-2011)
GTIN	4017918084318
Weight per piece (including packing)	62.52 g
Weight per piece (excluding packing)	62.52 g
Customs tariff number	85364190
Country of origin	DE

EMG 22-REL/KSR- 60/21 - Relay module



2951911

<https://www.phoenixcontact.com/us/products/2951911>

Technical data

Product properties

Product type	Relay Module
Application	Universal
Operating mode	100% operating factor
Mechanical service life	approx. 5×10^7 cycles

Data management status

Date of last data management	10.10.2023
------------------------------	------------

Insulation characteristics

Insulation	Basic insulation
	Safe isolation, reinforced insulation, and 6 kV between input circuit and output contact current paths
Overvoltage category	III
Pollution degree	2

Electrical properties

Maximum power dissipation for nominal condition	0.48 W
Test voltage (Winding/contact)	5 kV _{rms} (50 Hz, 1 min., winding/contact)
Test voltage (Contact/contact)	1 kV AC (50 Hz, 1 min., contact/contact)
Rated insulation voltage	260 V AC
Rated surge voltage	4 kV

Input data

Coil side

Nominal input voltage U_N	60 V AC/DC
Input voltage range	48 V AC/DC ... 66 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	8 mA
Typical response time	8 ms
Typical release time	10 ms
Protective circuit	Bridge rectifier; Bridge rectifier
Operating voltage display	Yellow LED

Output data

Switching

Contact switching type	Single contact, 1 changeover contact
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A

EMG 22-REL/KSR- 60/21 - Relay module



2951911

<https://www.phoenixcontact.com/us/products/2951911>

Maximum inrush current	8 A
Interrupting rating (ohmic load) max.	144 W (at 24 V DC)
	58 W (at 48 V DC)
	48 W (at 60 V DC)
	50 W (at 110 V DC)
	80 W (at 220 V DC)
	1500 VA (for 250 V AC)

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	22.5 mm
Height	75 mm
Depth	62.5 mm

Material specifications

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

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP20
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

Standards and regulations

Standards/regulations	IEC 60664-1
-----------------------	-------------

Mounting

Mounting type	DIN rail mounting
---------------	-------------------

EMG 22-REL/KSR- 60/21 - Relay module



2951911

<https://www.phoenixcontact.com/us/products/2951911>

Assembly note	in rows with zero spacing
Mounting position	any

EMG 22-REL/KSR- 60/21 - Relay module

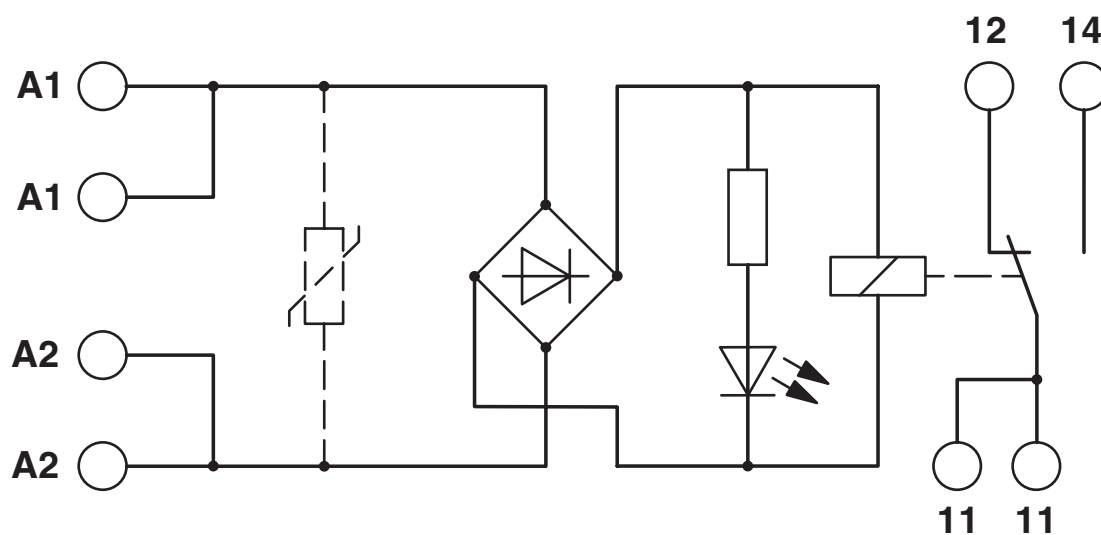
2951911

<https://www.phoenixcontact.com/us/products/2951911>



Drawings

Circuit diagram



EMG 22-REL/KSR- 60/21 - Relay module



2951911

<https://www.phoenixcontact.com/us/products/2951911>

Classifications

ECLASS

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

EMG 22-REL/KSR- 60/21 - Relay module



2951911
<https://www.phoenixcontact.com/us/products/2951911>

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%

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