

# EMG 22-REL/KSR-230/21/ SO46 - Relay module



2940760

<https://www.phoenixcontact.com/us/products/2940760>

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.



Plug-in relay interfaces for protection against interference on the control side, with soldered-in miniature switching relay, contacts (AgNi): medium to large loads, 1 changeover contact, input voltage 230 V AC

## Your advantages

- Use of AC output cards, resulting in residual AC currents
- Resistant to interference currents
- Applications with long control lines
- High relay release voltage

## Commercial data

Item number	2940760
Packing unit	10 pc
Minimum order quantity	1 pc
Sales key	C460
Product key	DK61C2
GTIN	4017918080228
Weight per piece (including packing)	68.21 g
Weight per piece (excluding packing)	67.5 g
Customs tariff number	85364900
Country of origin	DE

# EMG 22-REL/KSR-230/21/ SO46 - Relay module



2940760

<https://www.phoenixcontact.com/us/products/2940760>

## Technical data

### Product properties

Product type	Relay Module
Product family	EMG
Application	Filter to prevent interference
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	4.14 W
Test voltage (Winding/contact)	2.5 kV AC (50 Hz, 1 min., winding/contact)

### Input data

#### Coil side

Nominal input voltage $U_N$	230 V AC
Input voltage range	207 V AC ... 253 V AC (20 °C)
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at $U_N$	18 mA
Typical response time	10 ms
Typical release time	8 ms
Protective circuit	Bridge rectifier; Bridge rectifier
	Surge protection; Varistor
	RC element; RC element
Operating voltage display	Yellow LED

### Output data

#### Switching

Contact switching type	1 changeover contact
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A
Maximum inrush current	8 A
	95 W (at 24 V DC)

# EMG 22-REL/KSR-230/21/ SO46 - Relay module



2940760

<https://www.phoenixcontact.com/us/products/2940760>

Interrupting rating (ohmic load) max.	50 W (at 48 V DC)
	45 W (at 60 V DC)
	35 W (at 110 V DC)
	55 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 <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	22.5 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 ... 40 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

## Standards and regulations

Standards/regulations	IEC 60664
	EN 50178

## Mounting

Mounting type	DIN rail mounting
Mounting position	any

# EMG 22-REL/KSR-230/21/ SO46 - Relay module

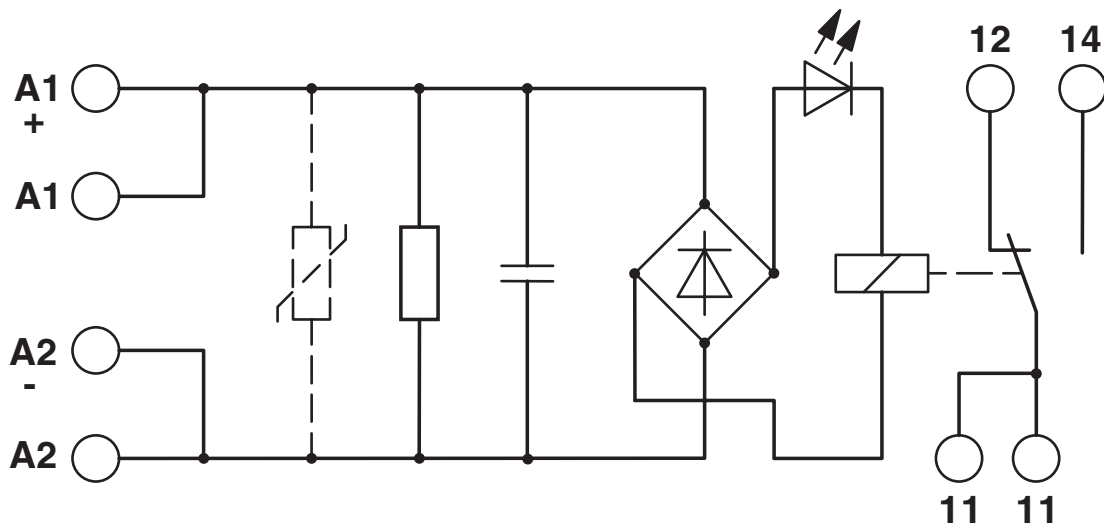


2940760

<https://www.phoenixcontact.com/us/products/2940760>

## Drawings

Circuit diagram



# EMG 22-REL/KSR-230/21/ SO46 - Relay module



2940760

<https://www.phoenixcontact.com/us/products/2940760>

## Classifications

### ECLASS

ECLASS-13.0	27371601
ECLASS-15.0	27371601

### ETIM

ETIM 10.0	EC001437
-----------	----------

### UNSPSC

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

2940760

<https://www.phoenixcontact.com/us/products/2940760>

## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

### 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.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)
SCIP	9787c496-e265-4ecc-b289-e62aaa4b6368

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)