

# Relay Module - EMG 22-REL/KSR-230/21/ SO46 - 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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Relay interfaces for protection against interference on the control side, with soldered-in miniature switching relay, contacts (Au): Medium to large loads, 1 PDT, 230 V AC input voltage

## Your advantages

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



## Key Commercial Data

Packing unit	10 pc
GTIN	 4 017918 080228
GTIN	4017918080228

## Technical data

### Note

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
-------------------------	---

### Dimensions

Width	22.5 mm
Height	75 mm
Depth	62.5 mm

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 40 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

### Coil side

Nominal input voltage $U_N$	230 V AC
-----------------------------	----------

# Relay Module - EMG 22-REL/KSR-230/21/ SO46 - 2940760

## Technical data

### Coil side

Input voltage range in reference to $U_N$	0.9 ... 1.1
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
Power dissipation for nominal condition	4.14 W

### Contact side

Contact type	Single contact, 1-PDT
Type of switch contact	Single contact
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Maximum inrush current	8 A
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	95 W (at 24 V DC)
	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)

### General

Test voltage relay winding/relay contact	2.5 kV AC (50 Hz, 1 min.)
Mechanical service life	approx. $2 \times 10^7$ cycles
Mounting position	any

### Connection data

Connection name	Coil side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section solid	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

### Connection data 2

Connection name	Contact side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3

# Relay Module - EMG 22-REL/KSR-230/21/ SO46 - 2940760

## Technical data

### Connection data 2

Conductor cross section solid	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

### Standards and Regulations

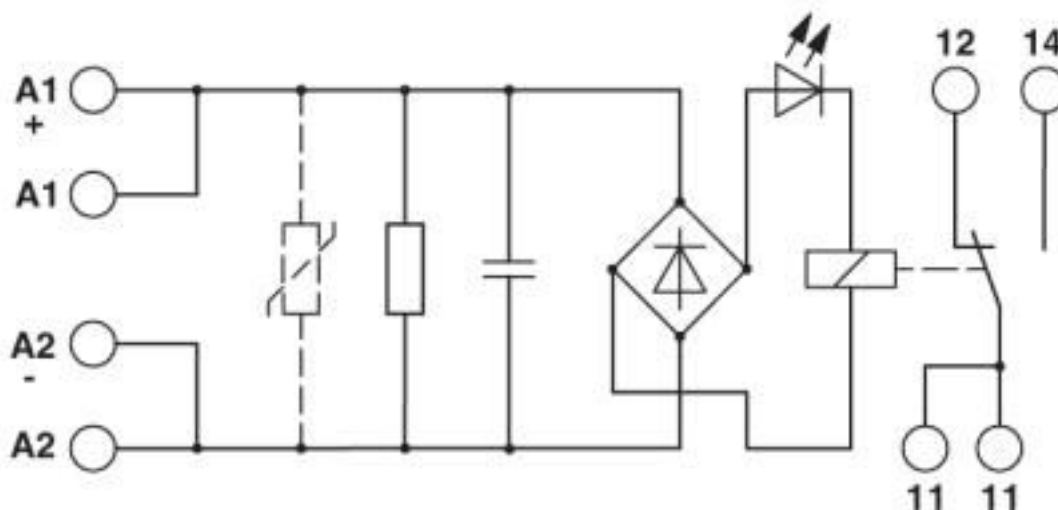
Standards/regulations	IEC 60664
	EN 50178
Insulation	Basic insulation
Pollution degree	2
Overvoltage category	III

### Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

## Drawings

Circuit diagram



## Classifications

eCl@ss

eCl@ss 10.0.1	27371601
eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371600
eCl@ss 5.1	27371600

# Relay Module - EMG 22-REL/KSR-230/21/ SO46 - 2940760

## Classifications

### eCl@ss

eCl@ss 6.0	27371600
eCl@ss 7.0	27371601
eCl@ss 8.0	27371601
eCl@ss 9.0	27371601

### ETIM

ETIM 2.0	EC001437
ETIM 3.0	EC001437
ETIM 4.0	EC001437
ETIM 5.0	EC001437
ETIM 6.0	EC001437
ETIM 7.0	EC001437

### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39122334
UNSPSC 18.0	39122334
UNSPSC 19.0	39122334
UNSPSC 20.0	39122334
UNSPSC 21.0	39122334

## Approvals

### Approvals

---

Approvals

EAC / EAC

---

Ex Approvals

---

### Approval details

EAC		TR_TS_D_00573_c
-----	--	-----------------

## Relay Module - EMG 22-REL/KSR-230/21/ SO46 - 2940760

### Approvals

EAC



RU\*C-  
DE.\*08.B.00010

Phoenix Contact 2020 © - all rights reserved  
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG  
Flachsmarktstr. 8  
32825 Blomberg  
Germany  
Tel. +49 5235 300  
Fax +49 5235 3 41200  
<http://www.phoenixcontact.com>

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Industrial Relays](#) category:*

*Click to view products by [Phoenix Contact](#) manufacturer:*

Other Similar products are found below :

[6-1617801-8](#) [6-1618107-9](#) [7-1618273-3](#) [EV250-4A-02](#) [EV250-6A-01](#) [FCA-125-CX8](#) [FCA-325-159](#) [FCA-410-138](#) [8000-S3121](#) [8-1618273-6](#)  
[8-1618393-1](#) [GCA63A220VAC60HZ](#) [GCA63A277VAC60HZ](#) [GCA63A600VAC60HZ](#) [1-1672275-3](#) [1-1833005-4](#) [H-16/S1](#) [A711Z](#) [H-8C](#)  
[H-8/S11](#) [H-8/S68](#) [ACC530U20](#) [ACC730U30](#) [RF303ZM4-12](#) [DH18DA](#) [1423675-8](#) [AR4-15F13-C01](#) [AR7-41F11](#) [AVR907](#) [15732A200](#)  
[B07B032AC1-0329](#) [B329](#) [B490A](#) [1618279-1](#) [BHR124Y](#) [1810DDB-SX](#) [N417](#) [P30C42A12D1-120](#) [2-1617748-6](#) [2-1618375-1](#) [2-1618396-6](#)  
[2-1618398-1](#) [JMAPD-5XL](#) [JMGACD-5M](#) [JMGSC-5LW](#) [JMGSCD-5L](#) [PBO-18A1218](#) [PBO-40A3040](#) [K8DSPH1200480VAC](#) [KA-3C-12A](#)