

# EMG 17-REL/KSR-230/21/SO 54 - Relay Module



2946353

<https://www.phoenixcontact.com/us/products/2946353>

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 230 V AC/DC

## Commercial data

Item number	2946353
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	C460
Product key	CK614Y
GTIN	4017918082277
Weight per piece (including packing)	54.4 g
Weight per piece (excluding packing)	54.01 g
Customs tariff number	85364900
Country of origin	DE

## Technical data

### Notes

#### Utilization restriction

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

### Product properties

Product type	Relay Module
Mechanical service life	3x 10 <sup>7</sup> cycles

#### Insulation characteristics

Insulation	Reinforced insulation
------------	-----------------------

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

Insulation	Reinforced insulation
Overvoltage category	III
Pollution degree	2

### Electrical properties

Maximum power dissipation for nominal condition	1.15 W
---	--------

#### Air clearances and creepage distances, input/output

Rated insulation voltage	250 V
Rated surge voltage	6 kV (1.2/50 µs)

### Input data

#### Coil side

Nominal input voltage U <sub>N</sub>	230 V AC
Input voltage range	184 V AC ... 253 V AC (20 °C)
Typical input current at U <sub>N</sub>	4.5 mA
Typical response time	7 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
Maximum inrush current	15 A (max. 4 seconds up to a duty ratio of 10%)

# EMG 17-REL/KSR-230/21/SO 54 - Relay Module



2946353

<https://www.phoenixcontact.com/us/products/2946353>

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 <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	17.5 mm
Height	75 mm
Depth	62.5 mm

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
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

# EMG 17-REL/KSR-230/21/SO 54 - Relay Module



2946353

<https://www.phoenixcontact.com/us/products/2946353>

## Approvals

🔗 To download certificates, visit the product detail page: <https://www.phoenixcontact.com/us/products/2946353>



**EAC**

Approval ID: TR\_TS\_D\_00573\_c



**EAC**

Approval ID: RU\*C-DE.\*08.B.00010

# EMG 17-REL/KSR-230/21/SO 54 - Relay Module



2946353

<https://www.phoenixcontact.com/us/products/2946353>

## Classifications

### ECLASS

ECLASS-11.0	27371601
ECLASS-12.0	27371601
ECLASS-13.0	27371601

### ETIM

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

### UNSPSC

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

# EMG 17-REL/KSR-230/21/SO 54 - Relay Module



2946353

<https://www.phoenixcontact.com/us/products/2946353>

## Environmental product compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact 2023 © - 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)