

## EMG 17-REL/KSR-120/21-21-LC

Order No.: 2940427

The illustration shows version EMG 17-REL/KSR- 24/21-21-LC AU, with soldered-in miniature switching relay



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2940427>

Relay module, with soldered-in miniature switching relay, contact (AgCdO): medium to large loads, 2 PDT, input voltage 120 V AC/DC



### Commercial data

EAN	4017918080099
Pack	10 Pcs.
Customs tariff	85364900
Weight/Piece	0.06242 KG
Catalog page information	Page 109 (IF-2007)

### Product notes

WEEE/RoHS-compliant since:  
08/10/2006



<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

### Technical data

#### Coil side

Nominal input voltage $U_N$	120 V AC/DC
Input voltage range in reference to $U_N$	0.8 ... 1.1
Nominal input current at $U_N$	6 mA
Typical response time	8 ms

Typical release time	10 ms
Operating voltage display	Yellow LED
Name of protection	Bridge rectifier
Protective circuit/component	Bridge rectifier

#### Contact side

Contact type	Single contact, 2-PDT
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Maximum inrush current	6 A
Limiting continuous current	5 A
Interrupting rating (ohmic load) max.	120 W (for 24 V DC)
	95 W (for 48 V DC)
	60 W (for 60 V DC)
	40 W (for 110 V DC)
	55 W (for 220 V DC)
	1250 VA (for 250 V AC)

#### General data

Length	75 mm
Height	62.5 mm
Width	17.5 mm
Test voltage relay winding/relay contact	4 kV AC (50 Hz, 1 min)
Test voltage relay contact/relay contact	1 kV AC (50 Hz, 1 min)
Ambient temperature (operation)	-20 °C ... 40 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Operating mode	100% operating factor
Service life mechanical	Approx. $5 \times 10^7$ cycles
Pollution degree	2
Surge voltage category	III
Standards/regulations	IEC 60664
	IEC 60664 A
	DIN VDE 0110
	DIN EN 50178/DIN VDE 0160 (in relevant parts)
Rated surge voltage / insulation	4 kV / basic insulation (safe isolation, increased isolation and 6 kV between input circuit and output contact current paths.)
Mounting position	Any

Assembly instructions	In rows with zero spacing
<b>Connection data</b>	
Type of connection	Screw connection
Conductor cross section solid min.	0.2 mm <sup>2</sup>
Conductor cross section solid max.	4 mm <sup>2</sup>
Conductor cross section stranded min.	0.2 mm <sup>2</sup>
Conductor cross section stranded max.	2.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Stripping length	8 mm
Screw thread	M3

**Certificates / Approvals**

Approval logo



**requested approbations**

Certification	CUL, GOST, UL
---------------	---------------

**Accessories**

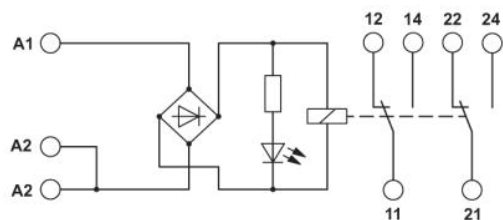
Item	Designation	Description
------	-------------	-------------

**Marking**

2947035	EMG-GKS 12	Equipment marker, width 12 mm
---------	------------	-------------------------------

**Drawings**

Circuit diagram



**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



© 2008 Phoenix Contact  
Technical modifications reserved;