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With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# 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 (AgNi): Medium to large loads, 2 PDT, input voltage 120 V AC/DC



## Commercial data

EAN	4017918080099
Pack	10 pcs.
Customs tariff	85364900
Weight/Piece	0.05646 KG
Catalog page information	Page 125 (IF-2009)

## 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 $U_{IN}$	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

Width	17.5 mm
Height	62.5 mm
Depth	75 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 isolation, (safe isolation, reinforced insulation 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 mm²
Conductor cross section solid max.	4 mm²
Conductor cross section stranded min.	0.2 mm²
Conductor cross section stranded max.	2.5 mm²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Stripping length	8 mm
Screw thread	M3

## Certificates / Approvals



## Certification

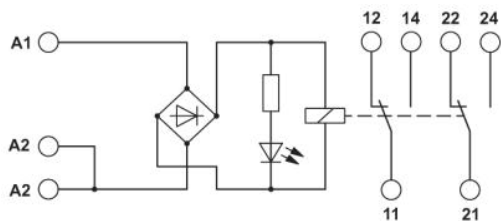
CUL, GOST, UL

## Accessories

Item	Designation	Description
<b>Marking</b>		
2947035	EMG-GKS 12	Equipment marker, width 12 mm

### Diagrams/Drawings

### Circuit diagram





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