

# EMG 17-REL/KSR- 24/21-21-LC AU

Order No.: 2941439



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2941439>

Relay module, with soldered-in miniature switching relay, contact (AgNi+Au): Small to large loads, 2 PDT, 24 V AC/DC input voltage



Commercial data	
EAN	4017918080433
Pack	10 pcs.
Customs tariff	85364190
Weight/Piece	0.05764 KG
Catalog page information	Page 125 (IF-2009)

### Product notes

WEEE/RoHS-compliant since:  
05/12/2006



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### Technical data

#### Coil side

Nominal input voltage $U_N$	24 V AC/DC
Input voltage range in reference to $U_N$	0.8 ... 1.1
Nominal input current at $U_{IN}$	18 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, hard gold-plated
Maximum switching voltage	30 V AC 36 V DC
Maximum inrush current	0.2 A
Limiting continuous current	50 mA
Interrupting rating (ohmic load) max.	1.2 W (for 24 V DC)
Note	<b>the following values are applicable if a gold layer is destroyed</b>
Maximum switching voltage	250 V AC/DC
Limiting continuous current	5 A
Maximum inrush current	6 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. $2 \times 10^7$ 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

#### Connection data

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



Certification CUL, GOST, UL

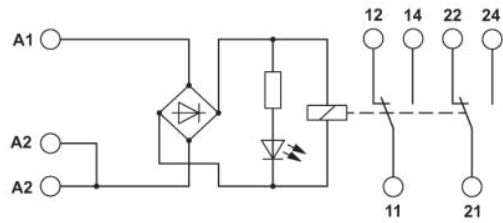
#### Accessories

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

## Diagrams/Drawings

### Circuit diagram

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