

**EMG 22-REL/KSR- 24/21AU**

Order No.: 2947721

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2947721>

Relay module, with soldered-in miniature switching relay, contact (AgNi+Au): Small to large loads, 1 PDT, 24 V AC/DC input voltage

**Commercial data**

GTIN (EAN)	4017918082840
sales group	G030
Pack	10 pcs.
Customs tariff	85364190
Weight/Piece	0.06891 KG
Catalog page information	Page 125 (IF-2009)

**Product notes**

WEEE/RoHS-compliant since:  
01/02/2008



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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, 1-PDT
Contact material	AgNi, hard gold-plated
Maximum switching voltage	30 V AC 36 V DC
Maximum inrush current	50 mA
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) 60 W (for 48 V DC) 50 W (for 60 V DC) 50 W (for 110 V DC) 80 W (for 220 V DC) 1250 VA (for 250 V AC)

**General data**

Width	22.5 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 ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Operating mode	100% operating factor
Service life mechanical	Approx. $3 \times 10^7$ cycles
Standards/regulations	IEC 60664 EN 50178 IEC 62103

Rated surge voltage / insulation	Basic insulation
Pollution degree	2
Surge voltage category	III
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**

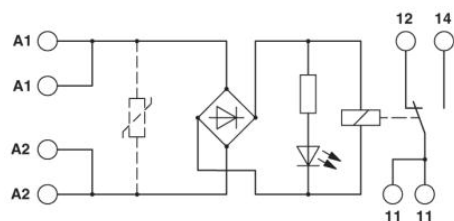


Certification

GOST

**Diagrams/Drawings**

Circuit diagram



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