



Extract from the online catalog

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

Order No.: 2941455

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=2941455>

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



Commercial data

EAN	4017918080457
Pack	10 pcs.
Customs tariff	85364190
Weight/Piece	0.06241 KG
Catalog page information	Page 125 (IF-2009)

Product notes

WEEE/RoHS-compliant since:
04/01/2007



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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

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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	the following values are applicable if a gold layer is destroyed
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. 2×10^7 cycles
Pollution degree	2
Surge voltage category	III

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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 ²
Conductor cross section solid max.	4 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Stripping length	8 mm
Screw thread	M3

Certificates / Approvals

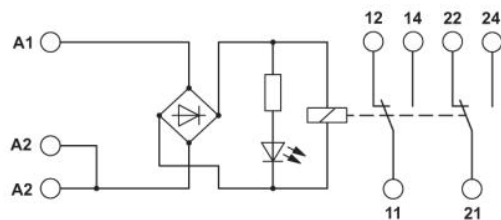


Certification

CUL, GOST, UL

Drawings

Circuit diagram



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