

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




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



Commercial data

GTIN (EAN)	 4 017918 080457
sales group	G035
Pack	10 pcs.
Customs tariff	85364190
Catalog page information	Page 125 (IF-2009)

Product notes

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



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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
Type 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 (at 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 (at 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	75 mm
Depth	62.5 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
Mechanical service life	Approx. 2×10^7 cycles

Standards/regulations	IEC 60664
	EN 50178
	IEC 62103
Rated surge voltage / insulation	4 kV / Basic isolation, (safe isolation, reinforced insulation and 6 kV between input circuit and output contact current paths.)
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 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

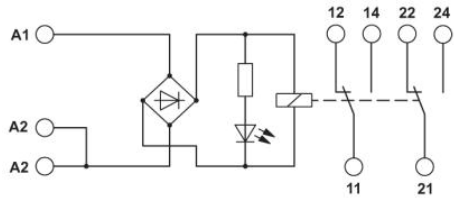
CUL, GOST, UL

Accessories

Item	Designation	Description
Marking		
2947035	EMG-GKS 12	Equipment marker, width 12 mm

Diagrams/Drawings

Circuit diagram



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