

## EMG 22-REL/KSR-120/21

Order No.: 2953964

The illustration shows version EMG 22-REL/KSR- 24/21, with soldered-in miniature switching relay




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Relay module, with soldered-in miniature switching relay, contact (AgNi): Medium to large loads, 1 PDT, input voltage 120 V AC/DC



### Commercial data

GTIN (EAN)	 4 017918 084691
Note	Made-to-order
sales group	G031
Pack	10 pcs.
Customs tariff	85364900
Catalog page information	Page 125 (IF-2009)

### Product notes

WEEE/RoHS-compliant since:  
11/16/2007



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### Technical data

#### Coil side

Nominal input voltage $U_N$	120 V AC/DC
Input voltage range in reference to $U_N$	0.85 ... 1.06
Nominal input current at $U_{IN}$	4 mA
Typical response time	8 ms

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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, 1-PDT
Contact material	AgNi
Maximum switching voltage	250 V AC/DC
Maximum inrush current	8 A
Limiting continuous current	6 A
Interrupting rating (ohmic load) max.	144 W (at 24 V DC)
	58 W (for 48 V DC)
	48 W (for 60 V DC)
	50 W (for 110 V DC)
	80 W (for 220 V DC)
	1500 VA (for 250 V AC)

#### General data

Width	22.5 mm
Height	75 mm
Depth	62.5 mm
Test voltage relay winding/relay contact	5 kV <sub>rms</sub> (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
Mechanical service life	Approx. 5 x 10 <sup>7</sup> cycles
Standards/regulations	EN 50178
Rated surge voltage / insulation	4 kV / Basic isolation, (safe isolation, reinforced insulation and 6 kV between input circuit and output contact current paths.)
Rated insulation voltage	260 V AC
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

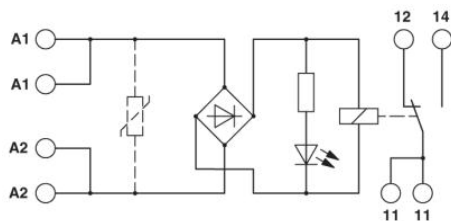


Certification

GOST

### Diagrams/Drawings

Circuit diagram



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