

## EMG 22-REL/KSR-G 24/TRN12

Order No.: 2952363

The illustration shows version EMG 22,5 REL, with integrated n-p-n transistor control



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2952363>

Relay module, with miniature switching relay, with integrated NPN transistor control, for low control currents, contact (AgNi): Medium to large loads, 1 PDT, 12 V DC nominal control voltage

Commercial data	
EAN	4017918084462
Pack	10 pcs.
Customs tariff	85364190
Weight/Piece	0.0689 KG
Catalog page information	Page 126 (IF-2009)

### Product notes

WEEE/RoHS-compliant since:  
10/26/2006



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### Technical data

#### Coil side

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.9 ... 1.1
Nominal input current at $U_{IN}$	21 mA
Minimum control voltage	5 V DC

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Maximum control voltage	13.2 V DC
Minimum control current	0.5 mA
Maximum control current	1 mA
Typical response time	9 ms
Typical release time	10 ms
Operating voltage display	Yellow LED
Name of protection	Polarity protection
Protective circuit/component	Polarity protection diode

#### 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	5 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)
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Operating mode	100% operating factor
Service life mechanical	Approx. $5 \times 10^7$ cycles
Standards/regulations	IEC 60664
	IEC 60664 A
	DIN VDE 0110
	DIN EN 50178/DIN VDE 0160 (in relevant parts)
	Basic insulation

Pollution degree	2
Surge voltage category	III
Mounting position	Any

**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

**Accessories**

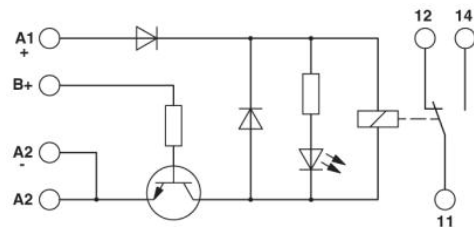
Item	Designation	Description
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**Marking**

2947035	EMG-GKS 12	Equipment marker, width 12 mm
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**Diagrams/Drawings**

Circuit diagram



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