

## EMG 22-REL/KSR-G 24/TRP35

Order No.: 2952169

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



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2952169>

Relay module, with miniature switching relay, with integrated PNP transistor control, for low control currents, contact (AgNi): Medium to large loads, 1 PDT, 24 V DC nominal control voltage



### Commercial data

GTIN (EAN)	
Note	Made-to-order
sales group	G090
Pack	10 pcs.
Customs tariff	85364190
Catalog page information	Page 137 (IF-2011)

### Product notes

WEEE/RoHS-compliant since:  
06/13/2006



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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	-17.5 V DC

Maximum control voltage	-38.5 V DC
Minimum control current	0.6 mA
Maximum control current	1.4 mA
Typical response time	9 ms
Typical release time	10 ms
Operating voltage display	Yellow LED
Protective circuit	Protection against polarity reversal Polarity protection diode Free-wheeling diode Damping 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 (at 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	75 mm
Depth	62.5 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
Mechanical service life	Approx. $5 \times 10^7$ 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**

Connection method	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**

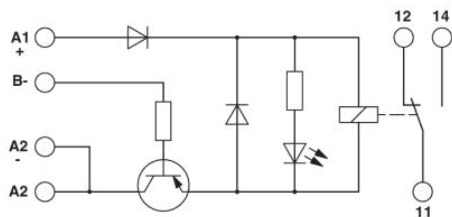
Item	Designation	Description
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**Marking**

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

Circuit diagram



**Address**

PHOENIX CONTACT Inc., USA  
586 Fulling Mill Road  
Middletown, PA 17057, USA  
Phone (800) 888-7388  
Fax (717) 944-1625  
<http://www.phoenixcon.com>



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