

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



<http://www.download.phoenixcontact.com>
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 | 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 |

| | |
|------------------------------|---------------------------|
| 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. 5×10^7 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 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 GOST

Accessories

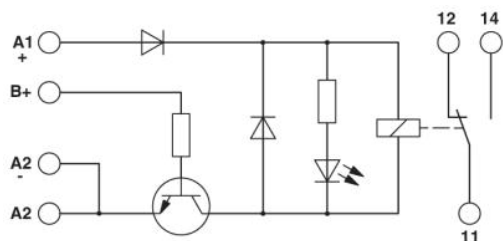
| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

Marking

| | | |
|---------|------------|-------------------------------|
| 2947035 | EMG-GKS 12 | Equipment marker, width 12 mm |
|---------|------------|-------------------------------|

Diagrams/Drawings

Circuit diagram



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