

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



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2953964>

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



<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 | 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 |

| | |
|------------------------------|------------------|
| 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 _{rms} (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 ⁷ 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 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

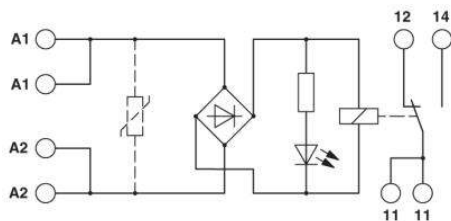


Certification

GOST

Diagrams/Drawings

Circuit diagram



Address

PHOENIX CONTACT Deutschland GmbH
Flachmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 12000
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



© 2011 Phoenix Contact
Technical modifications reserved;