

## EMG 22-REL/KSR- 24/21

Order No.: 2951885



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2951885>

Relay module, with soldered-in miniature switching relay, contact (AgCdO): medium to large loads, 1 PDT, input voltage 24 V AC/DC



### Commercial data

|                          |                    |
|--------------------------|--------------------|
| EAN                      | 4017918084295      |
| Pack                     | 10 Pcs.            |
| Customs tariff           | 85364190           |
| Weight/Piece             | 0.06888 KG         |
| Catalog page information | Page 109 (IF-2007) |

### Product notes

WEEE/RoHS-compliant since:  
06/08/2006



<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 AC/DC  |
| Input voltage range in reference to $U_N$ | 0.9 ... 1.1 |
| Nominal input current at $U_N$            | 18 mA       |
| Typical response time                     | 8 ms        |

|                              |                  |
|------------------------------|------------------|
| Typical release time         | 10 ms            |
| Operating voltage display    | Yellow LED       |
| Name 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. | 140 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)    |
|                                       | 1500 VA (for 250 V AC) |

#### General data

|                                          |                                               |
|------------------------------------------|-----------------------------------------------|
| Length                                   | 75 mm                                         |
| Height                                   | 62.5 mm                                       |
| Width                                    | 22.5 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                         |
| 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

Approval logo

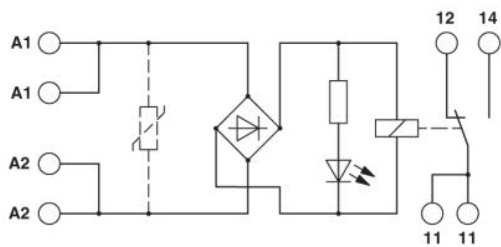


requested approbations

|               |      |
|---------------|------|
| Certification | GOST |
|---------------|------|

Drawings

Circuit diagram



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