

EMG 17-REL/KSR- 24/21-21-LC AU

Order No.: 2941439



<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2941439>

Relay module, with soldered-in miniature switching relay, contact (Ag +Au): small to large loads, 2 PDT, input voltage 24 V AC/DC



Commercial data

| | |
|--------------------------|--------------------|
| EAN | 4017918080433 |
| Pack | 10 Pcs. |
| Customs tariff | 85364190 |
| Weight/Piece | 0.05764 KG |
| Catalog page information | Page 109 (IF-2007) |

Product notes

WEEE/RoHS-compliant since:
05/12/2006



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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 | 0.8 ... 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, 2-PDT |
| Contact material | AgNi, hard gold-plated |
| Maximum switching voltage | 30 V AC 36 V DC |
| Maximum inrush current | 0.2 A |
| Limiting continuous current | 50 mA |
| Interrupting rating (ohmic load) max. | 1.2 W (for 24 V DC) |
| Note | the following values are applicable if a gold layer is destroyed |
| Maximum switching voltage | 250 V AC/DC |
| Limiting continuous current | 5 A |
| Maximum inrush current | 6 A |
| Interrupting rating (ohmic load) max. | 120 W (for 24 V DC) 95 W (for 48 V DC) 60 W (for 60 V DC) 40 W (for 110 V DC) 55 W (for 220 V DC) 1250 VA (for 250 V AC) |

General data

| | |
|--|--------------------------------|
| Length | 75 mm |
| Height | 62.5 mm |
| Width | 17.5 mm |
| Test voltage relay winding/relay contact | 4 kV AC (50 Hz, 1 min) |
| Test voltage relay contact/relay contact | 1 kV AC (50 Hz, 1 min) |
| Ambient temperature (operation) | -20 °C ... 40 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |
| Operating mode | 100% operating factor |
| Service life mechanical | Approx. 2×10^7 cycles |
| Pollution degree | 2 |
| Surge voltage category | III |

| | |
|----------------------------------|--|
| Standards/regulations | IEC 60664 |
| | IEC 60664 A |
| | DIN VDE 0110 |
| | DIN EN 50178/DIN VDE 0160 (in relevant parts) |
| Rated surge voltage / insulation | 4 kV / basic insulation (safe isolation, increased isolation and 6 kV between input circuit and output contact current paths.) |
| 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

Approval logo



requested approbations

| | |
|---------------|---------------|
| Certification | CUL, GOST, UL |
|---------------|---------------|

Accessories

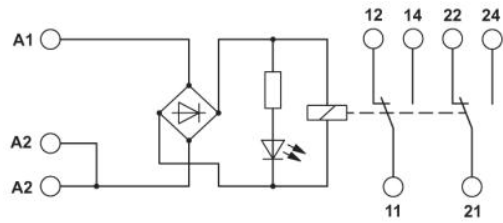
| Item | Designation | Description |
|------|-------------|-------------|
|------|-------------|-------------|

Marking

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

Drawings

Circuit diagram



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