

Relay Module - EMG 17-REL/KSR-120/21-21-LC AU - 2941455

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://download.phoenixcontact.com>)



Relay module, with soldered-in miniature switching relay, contact (AgNi+Au): Small to large loads, 2 PDT, 120 V AC/DC input voltage

The illustration shows version EMG 17-REL/KSR- 24/21-21-LC AU, with soldered-in miniature switching relay

Product Features

- Safe isolation according to DIN EN 50178 between coil and contact
- Integrated input circuit and interference suppression circuit



Key commercial data

| | |
|------------------|---------------|
| package_quantity | 10 |
| GTIN | 4017918080457 |

Technical data

Note:

| | |
|-------------------------|---|
| Utilization restriction | EMC: class A product, see manufacturer's declaration in the download area |
|-------------------------|---|

Dimensions

| | |
|--------|---------|
| Width | 17.5 mm |
| Height | 75 mm |
| Depth | 62.5 mm |

Ambient conditions

| | |
|---|------------------|
| Ambient temperature (operation) | -20 °C ... 40 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |

Coil side

| | |
|---|-------------|
| Nominal input voltage U_N | 120 V AC/DC |
| Input voltage range in reference to U_N | 0.8 ... 1.1 |
| Nominal input current at U_{IN} | 6 mA |
| Typical response time | 8 ms |
| Typical release time | 10 ms |

Relay Module - EMG 17-REL/KSR-120/21-21-LC AU - 2941455

Technical data

Coil side

| | |
|----------------------------------|-----------------------------------|
| Operating voltage display | Yellow LED |
| Protective circuit | Bridge rectifier Bridge rectifier |

Contact side

| | |
|--|--|
| Contact type | Single contact, 2-PDT |
| Contact material | AgNi, hard gold-plated |
| Maximum switching voltage | 30 V AC |
| Maximum switching voltage | 36 V DC |
| Maximum inrush current | 0.2 A |
| Limiting continuous current | 50 mA |
| Interrupting rating (ohmic load) max. | 1.2 W (at 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 (at 24 V DC) |
| Interrupting rating (ohmic load) max. | 95 W (at 48 V DC) |
| Interrupting rating (ohmic load) max. | 60 W (at 60 V DC) |
| Interrupting rating (ohmic load) max. | 40 W (at 110 V DC) |
| Interrupting rating (ohmic load) max. | 55 W (at 220 V DC) |
| Interrupting rating (ohmic load) max. | 1250 VA (for 250 V AC) |

General

| | |
|---|--|
| 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.) |
| Operating mode | 100% operating factor |
| Mechanical service life | Approx. 2×10^7 cycles |
| Standards/regulations | IEC 60664 |
| Standards/regulations | EN 50178 |
| Standards/regulations | IEC 62103 |
| Rated surge voltage / insulation | 4 kV / Basic isolation, (safe isolation, reinforced insulation and 6 kV between input circuit and output contact current paths.) |
| 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 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 |

Relay Module - EMG 17-REL/KSR-120/21-21-LC AU - 2941455

Technical data

Connection data

| | |
|--|------|
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 12 |
| Stripping length | 8 mm |
| Screw thread | M3 |

classifications

eCl@ss

| | |
|------------|----------|
| eCl@ss 4.0 | 27371102 |
| eCl@ss 4.1 | 27371102 |
| eCl@ss 5.0 | 27371001 |
| eCl@ss 5.1 | 27371001 |
| eCl@ss 6.0 | 27371001 |
| eCl@ss 7.0 | 27371001 |
| eCl@ss 8.0 | 27371001 |

ETIM

| | |
|----------|----------|
| ETIM 2.0 | EC000196 |
| ETIM 3.0 | EC000196 |
| ETIM 4.0 | EC000196 |
| ETIM 5.0 | EC001504 |

UNSPSC

| | |
|---------------|----------|
| UNSPSC 6.01 | 30211916 |
| UNSPSC 7.0901 | 39121515 |
| UNSPSC 11 | 39121515 |
| UNSPSC 12.01 | 39121515 |
| UNSPSC 13.2 | 39121515 |

approvals

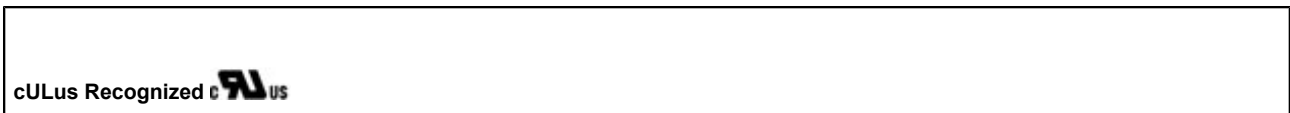
UL Recognized / cUL Recognized / GOST / cULus Recognized /

Approval details



Relay Module - EMG 17-REL/KSR-120/21-21-LC AU - 2941455

approvals



accessories

EMG-GKS 12 - 2947035



Drawings

Circuit diagram

