


Relay Module - EMG 22-REL/KSR-G 24/TRN24/SO62 - 2944407

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://phoenixcontact.com/download>)

Relay module, with miniature switching relay, with integrated n-p-n transistor control, for low control currents, contact (AgNi 90/10): Medium to large loads, two N/O contacts, nominal control voltage 24 V DC



Key Commercial Data

| | |
|--------------|---|
| Packing unit | 10 pc |
| GTIN |  4 017918 278922 |
| GTIN | 4017918278922 |

Technical data

Note

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

Dimensions

| | |
|--------|---------|
| Width | 22.5 mm |
| Height | 75 mm |
| Depth | 100 mm |

Ambient conditions

| | |
|---------------------------------|------------------|
| Ambient temperature (operation) | -20 °C ... 50 °C |
|---------------------------------|------------------|

Coil side

| | |
|---|--|
| Nominal input voltage U_N | 24 V DC |
| Input voltage range in reference to U_N | 0.8 ... 1.1 |
| Typical input current at U_N | 17 mA |
| Typical response time | 12 ms |
| Typical release time | 7 ms |
| Protective circuit | Reverse polarity protection Polarity protection diode Free-wheeling diode Damping diode |
| Operating voltage display | Yellow LED |
| Power dissipation for nominal condition | 0.6 W |

Contact side

| | |
|------------------------|-------------------------------|
| Contact type | Single contact, 2 N/O contact |
| Type of switch contact | Single contact |

Relay Module - EMG 22-REL/KSR-G 24/TRN24/SO62 - 2944407

Technical data

Contact side

| | |
|---------------------------------------|------------------------|
| Contact material | AgNi |
| Maximum switching voltage | 250 V AC |
| Limiting continuous current | 4 A |
| Interrupting rating (ohmic load) max. | 96 W (at 24 V DC) |
| | 85 W (at 48 V DC) |
| | 60 W (at 60 V DC) |
| | 44 W (at 110 V DC) |
| | 57 W (at 220 V DC) |
| | 1000 VA (for 250 V AC) |

Connection data input side

| | |
|----------------------------------|---|
| Connection name | Coil side |
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross section solid | 0.2 mm ² ... 4 mm ² |
| Conductor cross section flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross section AWG | 24 ... 12 |

Connection data output side

| | |
|----------------------------------|---|
| Connection name | Contact side |
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Conductor cross section solid | 0.2 mm ² ... 4 mm ² |
| Conductor cross section flexible | 0.2 mm ² ... 2.5 mm ² |
| Conductor cross section AWG | 24 ... 12 |

General

| | |
|-------------------------|---------------------------|
| Degree of protection | IP20 |
| Mechanical service life | 3x 10 ⁷ cycles |
| Mounting position | any |

Standards and Regulations

| | |
|--------------------------|---|
| Designation | Air clearances and creepage distances, input/output |
| Standards/regulations | DIN EN 50178: 1998-04 |
| Rated insulation voltage | 260 V |
| Rated surge voltage | 6 kV (1.2/50 μs) |
| Insulation | Reinforced insulation |
| Degree of pollution | 2 |
| Overvoltage category | III |
| Designation | Air and creepage distances, output/output |
| Standards/regulations | DIN EN 50178: 1998-04 |

Relay Module - EMG 22-REL/KSR-G 24/TRN24/SO62 - 2944407

Technical data

Standards and Regulations

| | |
|--------------------------|-----------------------|
| Rated insulation voltage | 260 V |
| Rated surge voltage | 2.2 kV (1.2/50 µs) |
| Insulation | Functional insulation |
| Degree of pollution | 2 |
| Overvoltage category | II |

Environmental Product Compliance

| | |
|------------|---|
| REACH SVHC | Lead 7439-92-1 |
| China RoHS | Environmentally Friendly Use Period = 50 |
| | For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration" |

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approval details

| | | |
|-----|--|--------------------------|
| EAC | | RU C- DE.A*30.B.01082 |
|-----|--|--------------------------|

Phoenix Contact 2018 © - all rights reserved
<http://www.phoenixcontact.com>

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg
Germany
Tel. +49 5235 300
Fax +49 5235 3 41200
<http://www.phoenixcontact.com>

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Industrial Relays](#) category:

Click to view products by [Phoenix Contact](#) manufacturer:

Other Similar products are found below :

[6-1617801-8](#) [6-1618107-9](#) [7-1618273-3](#) [EV250-4A-02](#) [EV250-6A-01](#) [FCA-125-CX8](#) [FCA-325-159](#) [FCA-410-138](#) [8000-S3121](#) [8-1618273-6](#)
[8-1618393-1](#) [GCA63A220VAC60HZ](#) [GCA63A277VAC60HZ](#) [GCA63A600VAC60HZ](#) [1-1672275-3](#) [1-1833005-4](#) [H-16/S1](#) [A711Z](#) [H-8C](#)
[H-8/S11](#) [H-8/S68](#) [ACC530U20](#) [ACC730U30](#) [RF303ZM4-12](#) [DH18DA](#) [1423675-8](#) [AR4-15F13-C01](#) [AR7-41F11](#) [AVR907](#) [15732A200](#)
[B07B032AC1-0329](#) [B329](#) [B490A](#) [1618279-1](#) [BHR124Y](#) [1810DDB-SX](#) [N417](#) [P30C42A12D1-120](#) [2-1617748-6](#) [2-1618375-1](#) [2-1618396-6](#)
[2-1618398-1](#) [JMAPD-5XL](#) [JMGACD-5M](#) [JMGSC-5LW](#) [JMGSCD-5L](#) [PBO-18A1218](#) [PBO-40A3040](#) [K8DSPH1200480VAC](#) [KA-3C-12A](#)