

UM-16 RM/KSR-G24/21/SO216 - Multiple relay module



2975476

<https://www.phoenixcontact.com/us/products/2975476>

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VARIOFACE module, with plug-in bases for 16 miniature switching relays with 1 changeover contact, with LED display

Commercial data

| | |
|--------------------------------------|--------------------------------|
| Item number | 2975476 |
| Packing unit | 1 pc |
| Note | Made to order (non-returnable) |
| Sales key | C429 |
| Product key | DK2A9A |
| GTIN | 4017918336493 |
| Weight per piece (including packing) | 890 g |
| Weight per piece (excluding packing) | 734.8 g |
| Customs tariff number | 85364190 |
| Country of origin | DE |

Technical data

Notes

| | |
|--------------------|--|
| Notes on operation | For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met. |
|--------------------|--|

Utilization restriction

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

Product properties

| | |
|-------------------------|---|
| Product type | Relay Module |
| No. of channels | 16 |
| Mechanical service life | > 10 ⁷ cycles |
| Compatible components | Miniature switching relay, REL-MR-24DC/21HC |
| With components | yes |

Insulation characteristics

| | |
|----------------------|-----|
| Overvoltage category | III |
| Pollution degree | 2 |

Input data

| | |
|---|--|
| 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 | 25 mA |
| Typical response time | 10 ms |
| Typical release time | 5 ms |
| Protective circuit | Freewheeling diode; Freewheeling diode Reverse polarity protection; Polarity protection diode |
| Status display/channel | Yellow LED |

Output data

| | |
|-----------------------|---|
| Compatible components | Miniature switching relay, REL-MR-24DC/21HC |
|-----------------------|---|

Switching

| | |
|---------------------------------------|--|
| Contact switching type | Single contact, 1 changeover contact |
| Contact material | AgCdO |
| Maximum switching voltage | 250 V AC (Module-specific) 300 V DC (Module-specific) |
| Limiting continuous current | 5 A (Module-specific) |
| Maximum inrush current | 8 A |
| Interrupting rating (ohmic load) max. | 120 W (at 24 V DC) 50 W (at 48 V DC) |

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| | |
|--|------------------------|
| | 60 W (at 220 V DC) |
| | 1250 VA (for 250 V AC) |
| Error detection (line break / short-circuit) | no |

Connection data

Input

| | |
|-----------------------|---|
| Connection method | Flat-ribbon cable connector in acc. with IEC 60603-13 / D-SUB plug connection |
| Number of connections | 2 |
| Number of positions | 50 |

Output

| | |
|----------------------------------|---|
| Connection method | Screw connection |
| Stripping length | 8 mm |
| Screw thread | M3 |
| Number of connections | 52 |
| Number of positions | 3 |
| Conductor cross-section rigid | 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 |

Signaling

| | |
|------------------------|-----|
| Status display present | yes |
|------------------------|-----|

Dimensions

| | |
|--------|----------|
| Width | 265.5 mm |
| Height | 111 mm |
| Depth | 68 mm |

Material specifications

| | |
|-----------------------------|------------------------------------|
| Color | green (RAL 6021) |
| Housing insulation material | PVC, side panel PA non-reinforced, |

Environmental and real-life conditions

Ambient conditions

| | |
|---|------------------|
| Ambient temperature (operation) | -20 °C ... 50 °C |
| Ambient temperature (storage/transport) | -20 °C ... 70 °C |

Standards and regulations

| | |
|-----------------------|-----------------|
| Standards/regulations | DIN VDE 0110 |
| | DIN VDE 0109-11 |

Mounting

| | |
|-------------------|-----|
| Mounting position | any |
|-------------------|-----|

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Environmental product compliance

China RoHS

| | |
|--|---|
| Environment friendly use period (EFUP) | EFUP-50 |
| | An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required. |

EU REACH SVHC

| | |
|-------------------------------------|----------------------------|
| REACH candidate substance (CAS No.) | No substance above 0.1 wt% |
|-------------------------------------|----------------------------|

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