

Active module - UMK-16 RELS/KSR-G24/21/E/PLC - 2974891

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VARIOFACE output extension module, with plug-in bases for 16 miniature relays, 1 PDT each, for 24 V DC (without relays)

Product Features

- ✓ LED status indicator per signal path and supply voltage
- ✓ Freewheeling and polarity protection diode for each signal path
- ✓ Plug-in miniature relays each with a PDT contact



Key commercial data

| | |
|--------------------------------------|---|
| Packing unit | 1 pc |
| GTIN |  4 017918 088996 |
| Weight per Piece (excluding packing) | 468.1 GRM |
| Custom tariff number | 85364190 |
| Country of origin | Germany |

Technical data

Note

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

Dimensions

| | |
|--------|--------|
| Width | 259 mm |
| Height | 77 mm |
| Depth | 59 mm |

Ambient conditions

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Technical data

Ambient conditions

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

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 | 2 mA (Light indicator) |
| Type of protection | Free-wheeling diode |
| Protective circuit/component | Damping diode |
| Operating voltage display | Green LED |
| Status display/channel | Yellow LED |

Output data

| | |
|--|-------------|
| Contact type | 1 PDT |
| Maximum switching voltage | 250 V AC/DC |
| Limiting continuous current | 4 A |
| Status display | Yes |
| Error detection (line break / short-circuit) | no |

General

| | |
|--------------------------|--|
| No. of channels | 16 |
| Compatible components | Miniature relay, REL-MR- 24DC/21HC |
| With components | No |
| Mechanical service life | 3×10^7 cycles |
| Operating mode | 100% operating factor |
| Degree of protection | IP20 |
| Mounting position | any |
| Assembly instructions | In rows with zero spacing |
| Color | green |
| Standards/regulations | DIN EN 50178 |
| | IEC 60664 |
| | IEC 62103 |
| Rated insulation voltage | 260 V AC |
| Rated surge voltage | 4 kV (Basic insulation between output contact current paths) |
| | 6 kV (Safe isolation and reinforced insulation between input circuit and output contact paths) |
| Pollution degree | 2 |
| Surge voltage category | III |

Connection data for connection 1

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Connection data for connection 1

| | |
|-----------------------|-----------------------------|
| Connection name | Coil side |
| Number of connections | 1 |
| Connection method | IDC/FLK pin strip (2.54 mm) |
| Number of positions | 20 |

Connection data for connection 2

| | |
|--|---------------------|
| Connection name | Contact side |
| Number of connections | 24 |
| 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 |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 12 |
| Screw thread | M3 |
| Stripping length | 8 mm |

Connection data for connection 3

| | |
|--|---------------------|
| Connection name | Supply |
| Conductor cross section stranded min. | 0.2 mm ² |
| Conductor cross section stranded max. | 2.5 mm ² |
| Conductor cross section solid min. | 0.2 mm ² |
| Conductor cross section solid max. | 4 mm ² |
| Conductor cross section AWG/kcmil min. | 24 |
| Conductor cross section AWG/kcmil max | 12 |
| Screw thread | M3 |
| Number of connections | 4 |
| Connection method | Screw connection |
| Stripping length | 8 mm |

Supported controller

| | |
|------------------------|----------------------|
| Corresponding control | GE-FANUC RX3i |
| Corresponding I/O card | IC694MDL754 |
| Corresponding control | HONEYWELL PlantScape |
| Corresponding I/O card | TC-ODD 321 |

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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 | EC001437 |
| ETIM 3.0 | EC001437 |
| ETIM 4.0 | EC001437 |
| ETIM 5.0 | EC001437 |

UNSPSC

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

Approvals

Approvals

Approvals

UL Listed / GOST / cUL Listed / cULus Listed

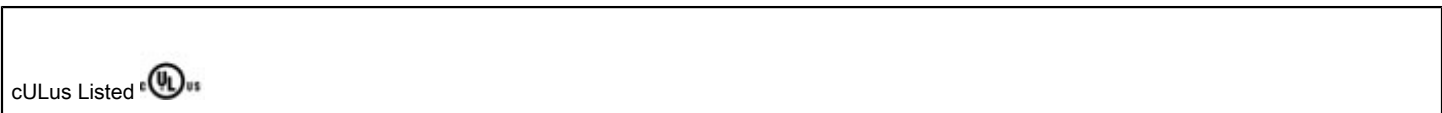
Ex Approvals

Approvals submitted

Approval details

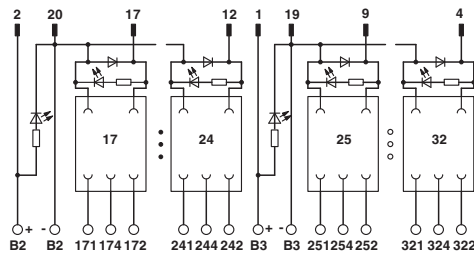
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Approvals



Drawings

Circuit diagram



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