

# Active module - UMK-16 RM/KSR-G 24/21/E/PLC - 2979508

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VARIOFACE output extension module, with 16 miniature relays, 1 PDT each, plugged, for 24 V DC (including 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

|                  |               |
|------------------|---------------|
| package_quantity | 1             |
| GTIN             | 4017918130336 |

## 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

|   |                  |
|---|------------------|
| 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 $\pm 10\%$  |
| 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 |
|--------------|-------|

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## Technical data

### Output data

|                             |             |
|-----------------------------|-------------|
| Maximum switching voltage   | 250 V AC/DC |
| Limiting continuous current | 5 A         |
| Status display              | Yes         |

### General

|                             |                                    |
|-----------------------------|------------------------------------|
| No. of channels             | 16                                 |
| Compatible components       | Miniature relay, REL-MR- 24DC/21HC |
| With components             | Yes                                |
| Test voltage                | 2.5 kV (50 Hz, 1 min.)             |
| Standards/regulations       | IEC 60664                          |
| Standards/regulations       | DIN EN 50178                       |
| Standards/regulations       | IEC 62103                          |
| Mounting position           | Any                                |
| Assembly instructions       | In rows with zero spacing          |
| Housing insulation material | PVC                                |
| Color                       | green                              |

### 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        |
| Connection method                      | Screw connection    |
| Conductor cross section solid min.     | 0.2 mm <sup>2</sup> |
| Conductor cross section solid max.     | 4 mm <sup>2</sup>   |
| Conductor cross section stranded min.  | 0.2 mm <sup>2</sup> |
| Conductor cross section stranded max.  | 2.5 mm <sup>2</sup> |
| Conductor cross section AWG/kcmil min. | 24                  |
| Conductor cross section AWG/kcmil max  | 12                  |
| Screw thread                           | M3                  |
| Stripping length                       | 8 mm                |

### Supported controller

|                        |                            |
|------------------------|----------------------------|
| Corresponding control  | Emerson DeltaV             |
| Corresponding I/O card | VE4002S1T2B6               |
| Corresponding control  | ALLEN-BRADLEY ControlLogix |
| Corresponding I/O card | 1756-OB32                  |
| Corresponding control  | ALLEN-BRADLEY PLC 5        |
| Corresponding I/O card | 1771 OBN                   |
| Corresponding control  | GE-FANUC RX3i              |
| Corresponding I/O card | IC694MDL754                |

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## Technical data

### Supported controller

|                        |                      |
|------------------------|----------------------|
| Corresponding control  | MITSUBISHI MELSEC L  |
| Corresponding I/O card | LY41PT1P             |
| Corresponding I/O card | LY42PT1P             |
| Corresponding control  | HONEYWELL PlantScape |
| Corresponding I/O card | TC-ODD 321           |
| Corresponding control  | MITSUBISHI MELSEC Q  |

## 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

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UL Listed / cUL Listed / cULus Listed /

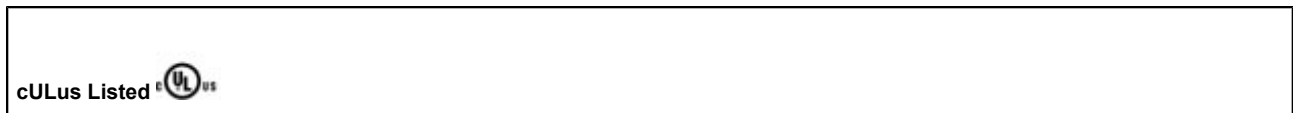
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### Approval details



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approvals



## Drawings

Circuit diagram

