

# Multiple relay module - UMK-16 RM 24DC/MKDS - 2972990

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VARIOFACE module, for 16 plug-in miniature relays or miniature optocouplers, with LED, 24 V DC input voltage

The illustration shows a version for 16 pluggable miniature switching relays or miniature optocouplers



## Key commercial data

package_quantity	1
GTIN	4017918088910

## Technical data

Note:

Utilization restriction	EMC: class A product, see manufacturer's declaration in the download area
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## 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
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	Yellow LED
Status display/channel	Yellow LED

## Output data

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## Technical data

### Output data

<b>Contact type</b>	1 PDT
<b>Maximum switching voltage</b>	250 V AC/DC
<b>Limiting continuous current</b>	5 A
<b>Maximum inrush current</b>	8 A
<b>Error detection (line break / short-circuit)</b>	no

### General

<b>No. of channels</b>	16
<b>Compatible components</b>	Miniature relays or miniature optocouplers
<b>With components</b>	No
<b>Test voltage relay winding/relay contact</b>	2.5 kV AC
<b>Standards/regulations</b>	DIN VDE 0110
<b>Mounting position</b>	Any
<b>Pollution degree</b>	2
<b>Surge voltage category</b>	III
<b>Housing insulation material</b>	PVC, side panel PA non-reinforced,
<b>Color</b>	green

### Connection data for connection 1

<b>Connection name</b>	Input
<b>Number of connections</b>	1
<b>Connection method</b>	Screw connection
<b>Number of positions</b>	20
<b>Conductor cross section stranded min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section stranded max.</b>	2.5 mm <sup>2</sup>
<b>Conductor cross section solid min.</b>	0.2 mm <sup>2</sup>
<b>Conductor cross section solid max.</b>	4 mm <sup>2</sup>
<b>Conductor cross section AWG/kcmil min.</b>	24
<b>Conductor cross section AWG/kcmil max</b>	12
<b>Screw thread</b>	M3
<b>Stripping length</b>	8 mm

## classifications

### eCl@ss

<b>eCl@ss 4.0</b>	27371102
<b>eCl@ss 4.1</b>	27371102
<b>eCl@ss 5.0</b>	27371001
<b>eCl@ss 5.1</b>	27371001
<b>eCl@ss 6.0</b>	27371001
<b>eCl@ss 7.0</b>	27371001
<b>eCl@ss 8.0</b>	27371001

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## classifications

### ETIM

ETIM 2.0	EC000196
ETIM 3.0	EC000196
ETIM 4.0	EC000196
ETIM 5.0	EC000196

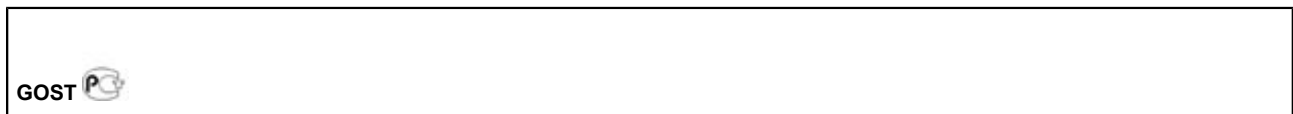
### UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121543
UNSPSC 11	39121543
UNSPSC 12.01	39121543
UNSPSC 13.2	39121543

## approvals

GOST /

### Approval details



## Drawings

### Circuit diagram

