

## 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)

### Your advantages

- ✓ 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
GTIN	4017918088996

### 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
Degree of protection	IP00

#### Input data

Nominal input voltage $U_N$	24 V DC
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## Technical data

### Input data

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	$3 \times 10^7$ cycles
Operating mode	100% operating factor
Mounting position	any
Assembly instructions	In rows with zero spacing
Color	green

### Connection data

Connection name	Coil side
Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	20
Pitch	2.54 mm

### Connection data 2

Connection name	Contact side
Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of connections	24
Conductor cross section solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12

### Connection data 3

Connection name	Supply
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### Technical data

#### Connection data 3

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of connections	4
Conductor cross section solid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross section AWG	24 ... 12

#### Supported controller

Controller	GE-FANUC RX3i
- suitable I/O card	IC694MDL754
Controller	HONEYWELL Experion PKS C200
- suitable I/O card	TC-ODD 321

#### Standards and Regulations

Standards/regulations	DIN EN 50178
	IEC 60664
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
Overvoltage category	III

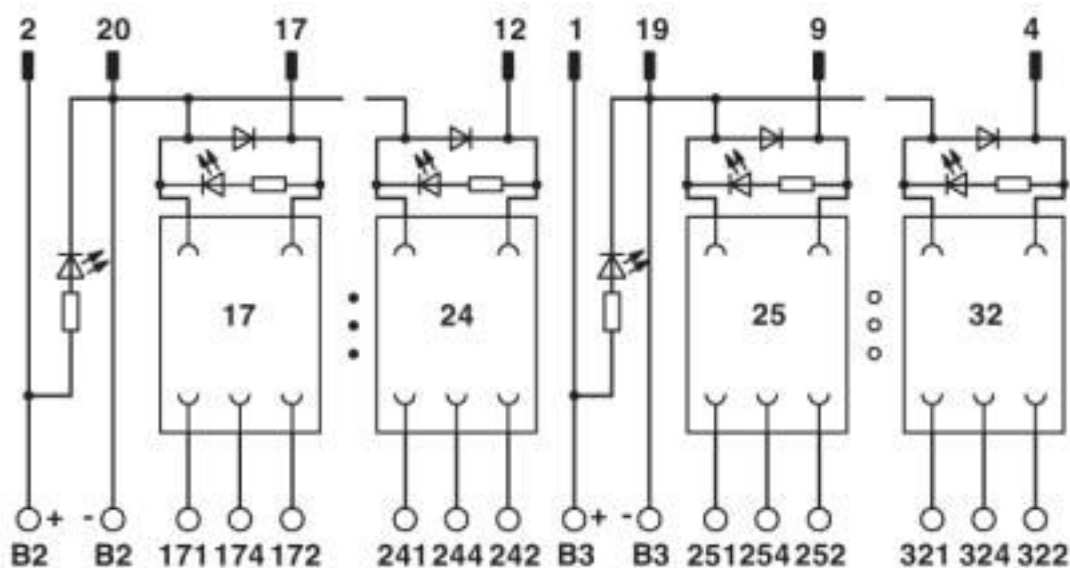
#### Environmental Product Compliance

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

### Drawings

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

Circuit diagram



## Classifications

eCl@ss

eCl@ss 10.0.1	27141152
eCl@ss 4.0	27371100
eCl@ss 4.1	27371100
eCl@ss 5.0	27371000
eCl@ss 5.1	27371000
eCl@ss 6.0	27371000
eCl@ss 7.0	27141152
eCl@ss 8.0	27141152
eCl@ss 9.0	27141152

ETIM

ETIM 5.0	EC002780
ETIM 6.0	EC002780
ETIM 7.0	EC002780

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121432
UNSPSC 18.0	39121432
UNSPSC 19.0	39121432
UNSPSC 20.0	39121432

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## Classifications

### UNSPSC

UNSPSC 21.0	39121432
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## Approvals

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UL Listed / cUL Listed / EAC / cULus Listed

### Ex Approvals

## Approval details

UL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
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cUL Listed		<a href="http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm">http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm</a>	FILE E 238705
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EAC			RU*DE*08.B.01841/19
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cULus Listed			
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## Accessories

### Accessories

#### Retaining bracket

Retaining bracket - SIM-ERSN-HB-MR - 2271471



Retainer, for miniature relay

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

### Accessories

#### Single relay

Single relay - REL-MR- 24DC/21HC - 2961312



Plug-in miniature power relay, with power contact for high continuous currents, 1 PDT, input voltage 24 V DC

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### Necessary add-on products

Active module - UMK-16 RELS/KSR-G24/21/PLC - 2974901



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

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