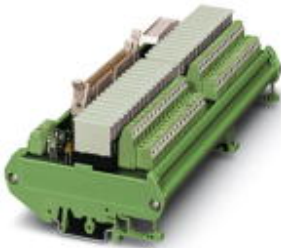


## Active module - UMK-32 RM/MR-G24/1/PLC - 2979472

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VARIOFACE output module, with 32 miniature relays, 1 N/O contact each, plugged, for 24 V DC (incl. relay)

### Product Features

- Narrow design width of just 55 mm (8 channels) or 202 mm (32 channels)
- Universal applications from 1 mA to 3 A continuous current thanks to 2-layer double contact with hard gold plating
- LED status indicator per signal path and supply voltage
- Freewheeling and polarity protection diode for each signal path
- Plug-in miniature relays each with an N/O contact
- 



### Key commercial data

Packing unit	1 pc
GTIN	 4 017918 130367
Weight per Piece (excluding packing)	544.2 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
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#### Dimensions

Width	202 mm
Height	90 mm

## Active module - UMK-32 RM/MR-G24/1/PLC - 2979472

### Technical data

#### Dimensions

Depth	58 mm
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#### 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 $U_N$	6.5 mA
Typical response time	5 ms
Typical release time	15 ms
Type of protection	Free-wheeling diode
Protective circuit/component	Damping diode
Type of protection	Protection against polarity reversal
Protective circuit/component	Polarity protection diode
Operating voltage display	Green LED
Status display/channel	Yellow LED

#### Output data

Contact type	1 N/O contact (double contact)
Contact material	AgNi, 5 $\mu$ m hard gold-plated
Maximum switching voltage	250 V AC 125 V DC
Minimum switching voltage	5 V
Limiting continuous current	3 A
Maximum inrush current	5 A
Min. switching current	1 mA
Interrupting rating (ohmic load) max.	72 W (24 V DC) 60 W (48 V DC) 50 W (60 V DC) 50 W (110 V DC) 750 VA (250 V AC)
Error detection (line break / short-circuit)	no

#### General

No. of channels	32
Compatible components	Miniature relay, REL-MR-G 24/1
With components	Yes

## Active module - UMK-32 RM/MR-G24/1/PLC - 2979472

### Technical data

#### General

Mechanical service life	2 x 10 <sup>7</sup> cycles
Operating mode	100% operating factor
Degree of protection	IP00
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)
Pollution degree	2
Surge voltage category	III

#### 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	50

#### Connection data for connection 2

Connection name	Contact side
Number of connections	64
Connection method	Screw connection
Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section AWG min.	26
Conductor cross section AWG max.	16
Screw thread	M3
Stripping length	6 mm

#### Connection data for connection 3

Connection name	Supply
Conductor cross section flexible min.	0.14 mm <sup>2</sup>
Conductor cross section flexible max.	1.5 mm <sup>2</sup>
Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>

## Active module - UMK-32 RM/MR-G24/1/PLC - 2979472

### Technical data

#### Connection data for connection 3

Conductor cross section AWG min.	26
Conductor cross section AWG max.	14
Screw thread	M3
Number of connections	4
Connection method	Screw connection
Number of positions	2
Stripping length	6 mm

#### Supported controller

Corresponding control	SIEMENS S7-400
Corresponding I/O card	6ES7 422-1BL00-0AA0
	6ES7 422-7BL00-0AB0
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	Emerson DeltaV
Corresponding I/O card	VE4002S1T2B6
Corresponding control	GE-FANUC RX3i
Corresponding I/O card	IC694MDL754
Corresponding control	HONEYWELL PlantScape
Corresponding I/O card	TC-ODD 321
Corresponding control	MITSUBISHI MELSEC L
Corresponding I/O card	LY41PT1P
	LY42PT1P
Corresponding control	MITSUBISHI MELSEC Q
Corresponding I/O card	QY81P
	QY82P
Corresponding control	Schneider Electric MODICON TSX QUANTUM
Corresponding I/O card	DDO 353
Corresponding control	SIEMENS S7-300 / ET 200 M
Corresponding I/O card	6ES7 322-1BL00-0AA0

### Classifications

eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102

## Active module - UMK-32 RM/MR-G24/1/PLC - 2979472

### Classifications

#### eCl@ss

eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001
eCl@ss 8.0	27371601

#### 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

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#### Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

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#### Ex Approvals

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#### Approvals submitted

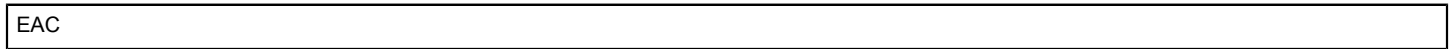
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#### Approval details

UL Recognized 
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# Active module - UMK-32 RM/MR-G24/1/PLC - 2979472

## Approvals



## Accessories

Accessories

Single relay

Single relay - REL-MR-G 24/1 - 2961037



Pluggable replacement miniature relay, 1 N/O contact, input voltage 24 V DC

## Drawings

Circuit diagram

