

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)

Your advantages

- ✓ 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
GTIN	4017918130367

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
Depth	58 mm

Ambient conditions

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

Input data

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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	Reverse polarity protection
Protective circuit/component	Polarity protection diode
Operating voltage display	Green LED
Status display/channel	Yellow LED

Output data

Contact type	1 N/O contact
Contact material	AgNi, 5 μ 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
Mechanical service life	2×10^7 cycles
Operating mode	100% operating factor
Degree of protection	IP00
Mounting position	any
Assembly instructions	In rows with zero spacing
Color	gray

Connection data for connection 1

Connection name	Controller level
Connection method	IDC/FLK pin strip

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Technical data

Connection data for connection 1

Number of connections	1
Number of positions	50
Pitch	2.54 mm

Connection data for connection 2

Connection name	Field level
Connection method	Screw connection
Stripping length	6 mm
Screw thread	M3
Conductor cross section solid	0.14 mm ² ... 1.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 1.5 mm ²
Conductor cross section AWG	26 ... 16
Number of connections	64

Connection data for connection 3

Connection name	Supply
Connection method	Screw connection
Stripping length	6 mm
Screw thread	M3
Conductor cross section solid	0.14 mm ² ... 1.5 mm ²
Conductor cross section flexible	0.14 mm ² ... 1.5 mm ²
Conductor cross section AWG	26 ... 14
Number of connections	4
Number of positions	2

Supported controller

Corresponding control	SIEMENS S7-1500
Corresponding I/O card	6ES7 522-1BL00-0AB0
	6ES7 522-1BL01-0AB0
Corresponding control	SIEMENS S7-400
Corresponding I/O card	6ES7 422-1BL00-0AA0
	6ES7 422-7BL00-0AB0
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 Experion PKS C200
Corresponding I/O card	TC-ODD 321
Corresponding control	mitsubishi MELSEC L
Corresponding I/O card	LY41PT1P

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Supported controller

	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

Standards and Regulations

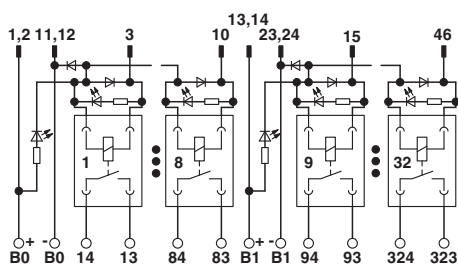
Connection in acc. with standard	CUL
Standards/regulations	DIN EN 50178
	IEC 60664
Rated insulation voltage	260 V AC
Rated surge voltage	4 kV (basic insulation)
Degree of pollution	2
Overvoltage category	III

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"

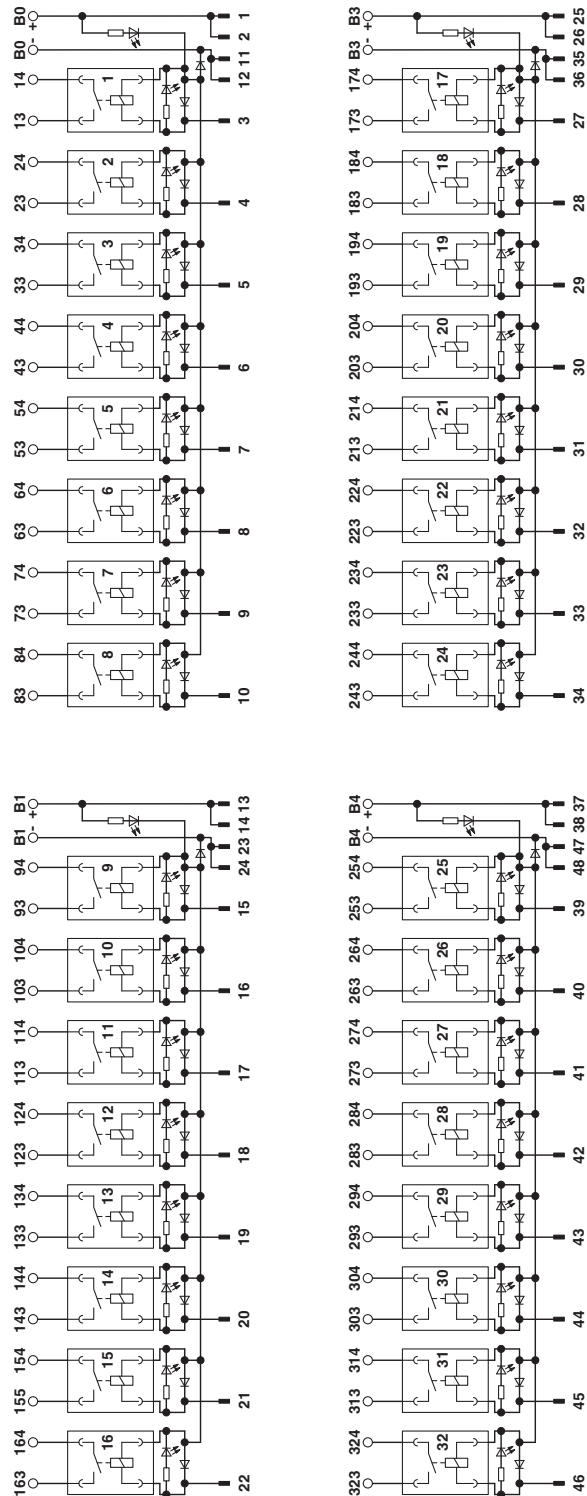
Drawings

Circuit diagram



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Circuit diagram



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Approvals

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UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
Nominal voltage UN		24 V	
Nominal current IN		3 A	

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 238705
Nominal voltage UN		24 V	
Nominal current IN		3 A	

EAC		RU C- DE.A*30.B.01742
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cULus Recognized	
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