

Active module - UMK- 8 RM/MR-G24/ 1/PLC - 2979469

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VARIOFACE output module, with 8 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)
- ✓ LED status indicator per signal path and supply voltage
- ✓ Universal applications from 1 mA to 3 A continuous current thanks to 2-layer double contact with hard gold plating
- ✓ 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 130374
GTIN	4017918130374
Weight per Piece (excluding packing)	117.180 g
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	56.5 mm
Height	77 mm
Depth	52.5 mm

Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
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Ambient conditions

Ambient temperature (storage/transport)	-20 °C ... 70 °C
Degree of protection	IP00

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 µm 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	8
Compatible components	Miniature relay, REL-MR-G 24/1
With components	yes
Mechanical service life	2×10^7 cycles
Operating mode	100% operating factor
Mounting position	any
Assembly instructions	In rows with zero spacing
Color	green

Connection data

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Technical data

Connection data

Connection name	Controller level
Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	14
Pitch	2.54 mm

Connection data 2

Connection name	Field level
Connection method	Screw connection
Stripping length	6 mm
Screw thread	M3
Number of connections	16
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

Connection data 3

Connection name	Supply
Connection method	Screw connection
Stripping length	6 mm
Screw thread	M3
Number of connections	1
Number of positions	2
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

Supported controller

Controller	SIEMENS S7-1500
- suitable I/O card	6ES7 522-1BH00-0AB0
	6ES7 522-1BH01-0AB0
	6ES7 522-1BL00-0AB0
	6ES7 522-1BL01-0AB0
Controller	ABB S800 I/O
- suitable I/O card	DO810
	DO840
Controller	ALLEN-BRADLEY ControlLogix
- suitable I/O card	1756-OB32
	1756-OB16E
Controller	ALLEN-BRADLEY PLC 5
- suitable I/O card	1771 OBN
Controller	ALLEN-BRADLEY SLC 500

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Supported controller

- suitable I/O card	1746 OB 32
Controller	Emerson DeltaV
- suitable I/O card	VE4002S1T1B3
	VE4002S1T2B3
	VE4002S1T2B3 Series 2
	VE4002S1T2B6
Controller	GE-FANUC RX3i
- suitable I/O card	IC694MDL754
Controller	HONEYWELL Experion PKS C200
- suitable I/O card	TC-ODD 321
Controller	MITSUBISHI MELSEC L
- suitable I/O card	LY41PT1P
	LY42PT1P
Controller	MITSUBISHI MELSEC Q
- suitable I/O card	QY81P
	QY82P
Controller	SIEMENS S7-300 / ET 200 M
- suitable I/O card	CPU 313C-2DP
	CPU 314C-2DP
	CPU 314C-2PtP
	6ES7 322-1BH01-0AA0
	6ES7 322-1BL00-0AA0
	6ES7 323-1BH01-0AA0
	6ES7 323-1BL00-0AA0
	CPU 313C
	CPU 313C-2PtP
Controller	SIEMENS S7-400
- suitable I/O card	6ES7 422-1BL00-0AA0
	6ES7 422-7BL00-0AB0

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)
Pollution degree	2
Overvoltage category	III

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50

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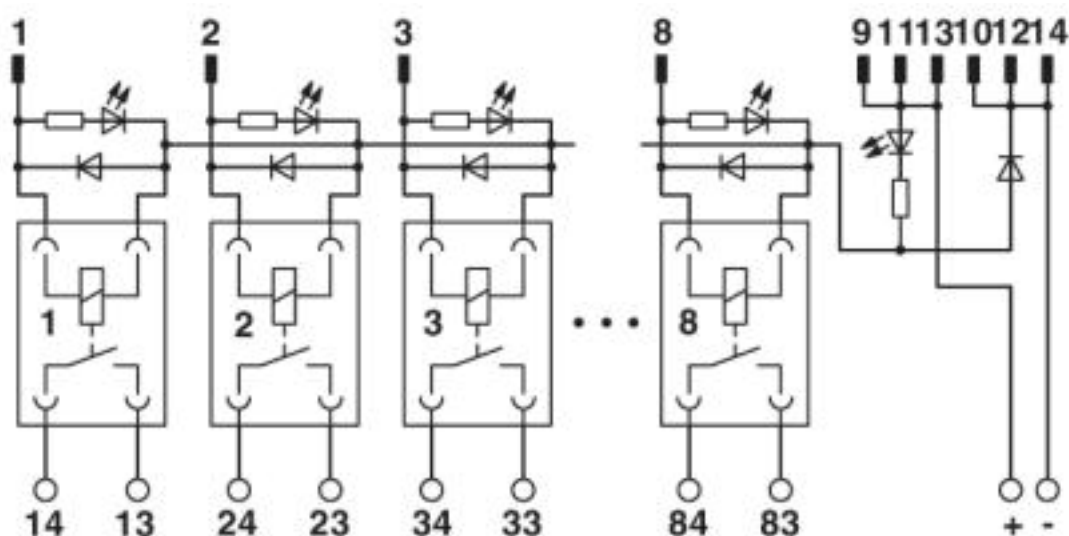
Technical data

Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
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Drawings

Circuit diagram



Classifications

eCl@ss

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

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Classifications

UNSPSC

UNSPSC 12.01	39121515
UNSPSC 13.2	39121432
UNSPSC 18.0	39121432
UNSPSC 19.0	39121432
UNSPSC 20.0	39121432
UNSPSC 21.0	39121432

Approvals

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Approvals

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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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