

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)

Why buy this product

- ✓ 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
Weight per Piece (excluding packing)	117.18 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 mm
Height	90 mm
Depth	58 mm

Ambient conditions

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

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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	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 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
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

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General

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	14

Connection data for connection 2

Connection name	Contact side
Number of connections	16
Connection method	Screw connection
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14
Screw thread	M3
Stripping length	6 mm

Connection data for connection 3

Connection name	Supply
Conductor cross section stranded min.	0.14 mm ²
Conductor cross section stranded max.	1.5 mm ²
Conductor cross section solid min.	0.14 mm ²
Conductor cross section solid max.	1.5 mm ²
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14
Screw thread	M3
Number of connections	1
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	GE-FANUC 90-30

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Supported controller

Corresponding I/O card	IC693 MDL732
	IC693 MDL740
	IC693 MDL742
Corresponding control	ALLEN-BRADLEY ControlLogix
Corresponding I/O card	1756-OB32
	1756-OB16E
Corresponding control	ALLEN-BRADLEY PLC 5
Corresponding I/O card	1771 OBN
Corresponding control	ALLEN-BRADLEY SLC 500
Corresponding I/O card	1746 OB16
	1746 OB 32
Corresponding control	HONEYWELL PlantScape
Corresponding I/O card	TC-ODD 321
Corresponding control	MITSUBISHI MELSEC Q
Corresponding I/O card	QY81P
Corresponding control	SIEMENS S7-300 / ET 200 M
Corresponding 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
Corresponding control	ABB S800 I/O
Corresponding I/O card	DO810
	DO840
Corresponding control	Emerson DeltaV
Corresponding I/O card	VE4002S1T1B3
	VE4002S1T2B3
	VE4002S1T2B3 Series 2
	VE4002S1T2B6
Corresponding control	GE-FANUC RX3i
Corresponding I/O card	IC694MDL754
Corresponding control	MITSUBISHI MELSEC L
Corresponding I/O card	LY41PT1P
	LY42PT1P

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Classifications

eCl@ss

eCl@ss 4.0	27371102
eCl@ss 4.1	27371102
eCl@ss 5.0	27371001
eCl@ss 5.1	27371001
eCl@ss 6.0	27371001
eCl@ss 7.0	27371001

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

Approvals

UL Recognized / cUL Recognized / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized

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Approvals

cUL Recognized

EAC

cULus Recognized

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

