

Active module - UMK-16 RM/KSR-G 24/21/PLC - 2979498

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VARIOFACE output module, with 16 miniature relays, 1 PDT each, plugged, for 24 V DC (basic module, including relays)

Why buy this product

- 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 130343
Weight per Piece (excluding packing)	580.0 g
Custom tariff number	85364190
Country of origin	Germany
Note	Made to Order (non-returnable)

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

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Input data

Nominal input voltage U_N	24 V DC $\pm 10\%$
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 PDT
Maximum switching voltage	250 V AC/DC
Limiting continuous current	5 A

General

No. of channels	16
	32
Compatible components	Miniature relay, REL-MR- 24DC/21HC
With components	Yes
Mechanical service life	3×10^7 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
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
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	48

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Connection data for connection 2

Connection method	Screw connection
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Screw thread	M3
Stripping length	8 mm

Connection data for connection 3

Connection name	Supply
Conductor cross section stranded min.	0.2 mm ²
Conductor cross section stranded max.	2.5 mm ²
Conductor cross section solid min.	0.2 mm ²
Conductor cross section solid max.	4 mm ²
Conductor cross section AWG/kcmil min.	24
Conductor cross section AWG/kcmil max	12
Screw thread	M3
Number of connections	4
Connection method	Screw connection
Stripping length	8 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	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
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

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Supported controller

Corresponding control	Emerson DeltaV
Corresponding I/O card	VE4002S1T2B6
Corresponding control	GE-FANUC RX3i
Corresponding I/O card	IC694MDL754

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 Listed / cUL Listed / cULus Listed

Ex Approvals

Approvals submitted

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Approvals

Approval details

UL Listed 

cUL Listed 

cULus Listed 

Accessories

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

Additional products

Active module - UMK-16 RM/KSR-G 24/21/E/PLC - 2979508



VARIOFACE output extension module, with 16 miniature relays, 1 PDT each, plugged, for 24 V DC (including relays)

Drawings

Active module - UMK-16 RM/KSR-G 24/21/PLC - 2979498

Circuit diagram

