

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

Please be informed that the data shown in this PDF Document is generated from our Online Catalog. Please find the complete data in the user's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




VARIOFACE output extension module, with 16 miniature relays, 1 PDT each, plugged, for 24 V DC (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 130336
Weight per Piece (excluding packing)	572.05 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
-------------------------	---

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

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

Technical data

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
Status display	Yes

General

No. of channels	16
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	20

Connection data for connection 2

Connection name	Contact side
Number of connections	48

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

Technical data

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

Connection data for connection 4

Connection name	Connection for basic module
Number of connections	1
Connection method	IDC/FLK pin strip (2.54 mm)
Number of positions	20

Supported controller

Corresponding control	Emerson DeltaV
Corresponding I/O card	VE4002S1T2B6
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	GE-FANUC RX3i
Corresponding I/O card	IC694MDL754
Corresponding control	MITSUBISHI MELSEC L
Corresponding I/O card	LY41PT1P
	LY42PT1P
Corresponding control	HONEYWELL PlantScape

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

Technical data

Supported controller

Corresponding I/O card	TC-ODD 321
Corresponding control	MITSUBISHI MELSEC Q

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

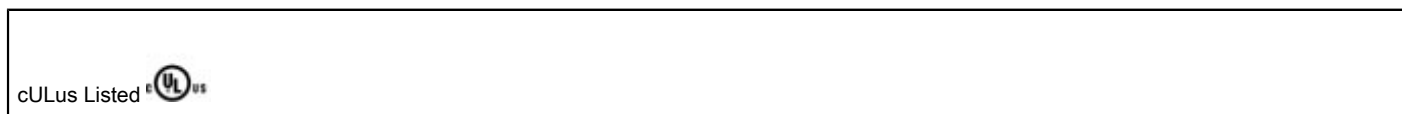
Ex Approvals

Approvals submitted

Approval details

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

Approvals



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

Necessary add-on products

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



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

Drawings

Circuit diagram

