

Active module - UM 45-16RM/MR-G24/1/PLC - 2962913

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 COMPACT LINE, output module with 16 miniature relays, 1 N/O contact each, plugged, for 24 V DC (incl. relay)

Why buy this product

- Low depth of just 45 mm
- 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 per signal path
- Universal applications from 1 mA to 3 A continuous current thanks to 2-layer double contact with hard gold plating
- Plug-in miniature relays each with an N/O contact



Key commercial data

Packing unit	1 pc
GTIN	 4 017918 087517
Weight per Piece (excluding packing)	224.28 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	215 mm
Height	45 mm
Depth	50 mm

Ambient conditions

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

Active module - UM 45-16RM/MR-G24/1/PLC - 2962913

Technical data

Ambient conditions

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

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)

General

No. of channels	16
	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	green
Standards/regulations	DIN EN 50178

Active module - UM 45-16RM/MR-G24/1/PLC - 2962913

Technical data

General

	IEC 60664
	IEC 62103
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	50

Connection data for connection 2

Connection name	Contact side
Number of connections	36
Connection method	Screw connection
Number of positions	3
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	8 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	16
Screw thread	M3
Number of connections	2
Connection method	Screw connection
Number of positions	2
Stripping length	6 mm

Connection data for connection 4

Connection name	Connection for basic module
-----------------	-----------------------------

Active module - UM 45-16RM/MR-G24/1/PLC - 2962913

Technical data

Connection data for connection 4

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

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
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

Active module - UM 45-16RM/MR-G24/1/PLC - 2962913

Classifications

UNSPSC

UNSPSC 6.01	30211916
UNSPSC 7.0901	39121515
UNSPSC 11	39121515
UNSPSC 12.01	39121515
UNSPSC 13.2	39121515

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

Approval details

EAC

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

Additional products

Active module - UM 45-16RM/MR-G24/1/PLC - 2962913

Accessories

Active module - UM 45-16RM/MR-G24/1/E/PLC - 2962926



VARIOFACE COMPACT LINE, output extension module with 16 miniature relays, 1 N/O contact each, plugged, for 24 V DC (incl. relay)

Drawings

Circuit diagram

