

## UM 45-16RM/MR-G24/1/PLC

Order No.: 2962913

<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2962913>VARIOFACE COMPACT LINE, output module with 16 miniature  
relays, 1 N/O contact each, plugged, for 24 V DC (incl. relay)

<http://www.download.phoenixcontact.com>  
Please note that the data given here has been taken from the online catalog. For comprehensive information and data, please refer to the user documentation. The General Terms and Conditions of Use apply to Internet downloads.

### Commercial data

EAN	4017918087517
Pack	1 Pcs.
Customs tariff	85364190
Weight/Piece	0.2557 KG
Catalog page information	Page 215 (IF-2007)

### Technical data

#### 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
Name of protection	Free-wheeling diode
Protective circuit/component	Damping diode
Operating voltage display	LED green
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 data

No. of channels	32
Compatible components	Miniature relay, REL-MR-G 24/1
With components	Yes
Width	215 mm
Height	50 mm
Length	45 mm
Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C
Test voltage	2 kV (50 Hz, 1 min)
Service life mechanical	2 x 10 <sup>7</sup> cycles
Standard - Electrical safety	IEC 60664 DIN EN 50178 IEC 62103
Operating mode	100% operating factor
Mounting position	Any
Assembly instructions	In rows with zero spacing
Pollution degree	2
Surge voltage category	III
Housing insulation material	PVC, side panel PA non-reinforced,
Color	green

**Connection data**

Connection 1	Coil side
Type of connection	Flat-ribbon cable plug connector in acc. with IEC 60603-13
Number of positions	50
Connection 2	Contact side
Type of connection	Screw connection
Number of positions	3
Conductor cross section solid min.	0.14 mm <sup>2</sup>
Conductor cross section solid max.	1.5 mm <sup>2</sup>
Conductor cross section stranded min.	0.14 mm <sup>2</sup>
Conductor cross section stranded max.	1.5 mm <sup>2</sup>
Conductor cross section AWG/kcmil min.	26
Conductor cross section AWG/kcmil max	14
Screw thread	M 3
Stripping length	8 mm

**Certificates / Approvals**

Approval logo



**requested approbations**

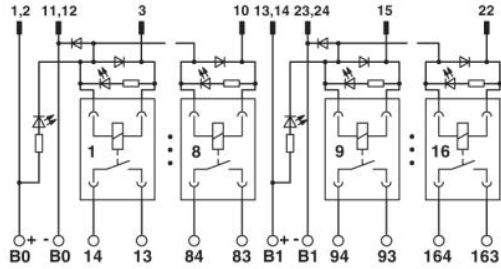
Certification	GOST
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**Additional products**

Item	Designation	Description
<b>General</b>		
2962926	UM 45-16RM/MR-G24/1/E/PLC	VARIOFACE COMPACT LINE, output expansion module with 16 miniature relays, 1 N/O contact each, plugged, for 24 V DC (incl. relay)

## Drawings

### Circuit diagram



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