

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](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 ⁷ 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 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	M 3
Stripping length	8 mm

Certificates / Approvals

Approval logo



requested approbations

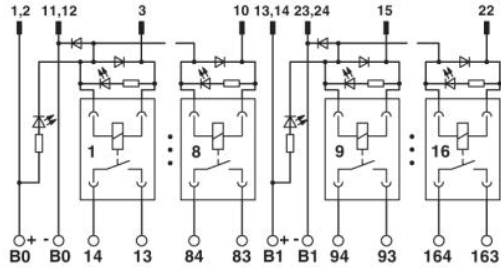
Certification	GOST
---------------	------

Additional products

Item	Designation	Description
General		
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



Address

PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstr. 8
32825 Blomberg, Germany
Phone +49 5235 3 00
Fax +49 5235 3 41200
<http://www.phoenixcontact.de>



© 2008 Phoenix Contact
Technical modifications reserved;