

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)

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www.download.phoenixcontact.com](http://www.download.phoenixcontact.com)
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Commercial data

EAN	4017918087517
Pack	1 pcs.
Customs tariff	85364190
Weight/Piece	0.2557 KG
Catalog page information	Page 247 (IF-2009)

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
Depth	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
Standards/regulations	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	PCB connection
Type of connection	Screw connection
Number of positions	3
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	14
Screw thread	M3
Stripping length	8 mm
Connection 2	Flat-ribbon cable connection
Type of connection	Flat-ribbon cable plug connector in acc. with IEC 60603-13
Number of positions	50

Certificates / Approvals



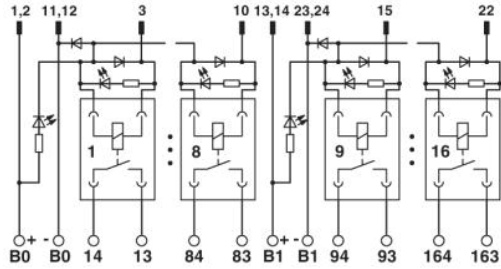
Certification GOST

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)

Diagrams/Drawings

Circuit diagram



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