

# UM-16 RM/KSR-G24/21/E/SO217 - Multiple relay module



2975489

<https://www.phoenixcontact.com/us/products/2975489>

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VARIOFACE module, with plug-in bases for 16 miniature switching relays with 1 changeover contact, with LED display

## Commercial data

Item number	2975489
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C429
Product key	DK2A9A
GTIN	4017918281076
Weight per piece (including packing)	856.8 g
Weight per piece (excluding packing)	749.67 g
Customs tariff number	85364190
Country of origin	DE

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## Technical data

### Notes

Notes on operation	For proper use, the specifications of the installation directive (see Downloads) must be observed. For applications or use with third-party products, the specifications, and the safety and warning instructions of the respective third-party manufacturer must also be met.
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### Utilization restriction

EMC note	EMC: class A product, see manufacturer's declaration in the download area
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### Product properties

Product type	Relay Module
No. of channels	16
Mechanical service life	$> 10^7$ cycles
Compatible components	Miniature switching relay, REL-MR-24DC/21HC
With components	yes

### Insulation characteristics

Overvoltage category	III
Pollution degree	2

### 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 $U_N$	25 mA
Typical response time	10 ms
Typical release time	5 ms
Protective circuit	Freewheeling diode; Freewheeling diode Reverse polarity protection; Polarity protection diode
Status display/channel	Yellow LED

### Output data

Compatible components	Miniature switching relay, REL-MR-24DC/21HC
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### Switching

Contact switching type	Single contact, 1 changeover contact
Contact material	AgCdO
Maximum switching voltage	250 V AC (Module-specific) 300 V DC (Module-specific)
Limiting continuous current	5 A (Module-specific)
Maximum inrush current	8 A
Interrupting rating (ohmic load) max.	120 W (at 24 V DC) 50 W (at 48 V DC)

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	60 W (at 220 V DC)
	1250 VA (for 250 V AC)
Error detection (line break / short-circuit)	no

## Connection data

### Input

Connection method	Flat-ribbon cable connector in acc. with IEC 60603-13
Number of connections	1
Number of positions	20

### Output

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of connections	52
Number of positions	3
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>
Conductor cross-section flexible	0.2 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	24 ... 12

## Signaling

Status display present	yes
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## Dimensions

Width	265.5 mm
Height	111 mm
Depth	68 mm

## Material specifications

Color	green (RAL 6021)
Housing insulation material	PVC, side panel PA non-reinforced,

## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
Ambient temperature (storage/transport)	-20 °C ... 70 °C

## Standards and regulations

Standards/regulations	DIN VDE 0110
	DIN VDE 0109-11

## Mounting

Mounting position	any
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## Environmental product compliance

### China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

### EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%
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