

# UMK-16 RM 24 - Active module



2971742

<https://www.phoenixcontact.com/us/products/2971742>

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VARIOFACE module, for 16 plug-in miniature relays or miniature optocouplers, with LED, 24 V DC input voltage

## Commercial data

Item number	2971742
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DK2191
GTIN	4017918088521
Weight per piece (including packing)	455.5 g
Weight per piece (excluding packing)	4.1 g
Customs tariff number	85364190
Country of origin	DE

## 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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### Product properties

Product type	Multi-channel relay module
No. of channels	16
Compatible components	Miniature switching relays or miniature optocouplers
With components	no

### Input data

Nominal input voltage $U_N$	24 V DC
Protective circuit	Free running; Freewheeling diode Reverse polarity protection; Polarity protection diode
Operating voltage display	Yellow LED
Status display/channel	Yellow LED

### Output data

Compatible components	Miniature switching relays or miniature optocouplers
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### Switching

Contact switching type	1 changeover contact
Maximum switching voltage	250 V AC/DC
Limiting continuous current	5 A
Error detection (line break / short-circuit)	no

### Connection data

#### Input

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of connections	3
Number of positions	48
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

#### Input

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

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Number of positions	20
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## Signaling

Status display present	yes
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## Dimensions

Width	259 mm
Height	77 mm
Depth	59 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	IEC 60664
	DIN EN 50178

## Mounting

Assembly note	in rows with zero spacing
Mounting position	any

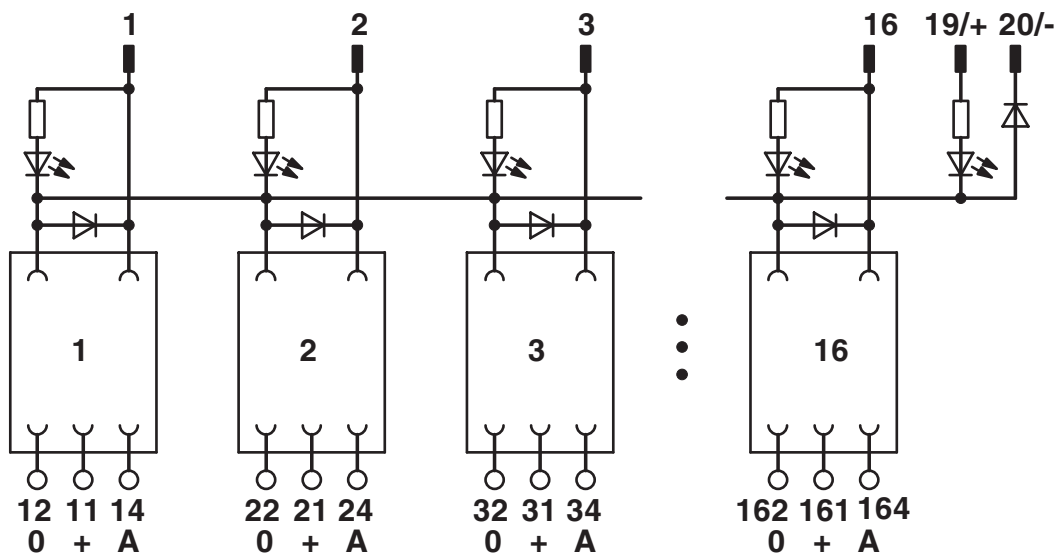
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## Drawings

Circuit diagram



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## Environmental product compliance

EU REACH SVHC

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