

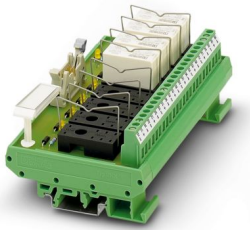
# UMK- 8 RM24/KSR-G24/21 - Active module



2970772

<https://www.phoenixcontact.com/us/products/2970772>

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VARIOFACE module, for 8 pluggable miniature switching relays or miniature optocouplers, with LED, input voltage 24 V DC (without relay)

The figure shows a version for 8 pluggable miniature switching relays or miniature optocouplers

## Commercial data

Item number	2970772
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DK2191
GTIN	4017918087920
Weight per piece (including packing)	3.46 g
Weight per piece (excluding packing)	3.46 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	Relay Module
No. of channels	8
Mechanical service life	5x 10 <sup>7</sup> cycles

### Electrical properties

Supported controller: EMERSON DeltaV

Suitable I/O card	VE4002S1T2B4
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### Input data

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.9 ... 1.1
Input voltage range	21.6 V DC ... 26.4 V DC
Typical input current at $U_N$	22 mA
Typical response time	8 ms
Typical release time	10 ms
Protective circuit	Reverse polarity protection; Damping diode, polarity protection diode
Status display/channel	Yellow LED

### Output data

#### Switching

Contact switching type	1 changeover contact
Contact material	AgCdO
Maximum switching voltage	250 V AC/DC
Limiting continuous current	5 A
Maximum inrush current	8 A
Interrupting rating (ohmic load) max.	120 W (24 V DC, $\tau = 0$ ms)
	60 W (48 V DC, $\tau = 0$ ms)
	50 W (60 V, $\tau = 0$ ms)
	50 W (110 V DC, $\tau = 0$ ms)
	65 W (220 V DC, $\tau = 0$ ms)
	1250 VA (250 V AC, $\tau = 0$ ms)

### Connection data

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## Controller level

Connection method	Flat-ribbon cable connectors
Number of connections	1
Number of positions	10

## Field level

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
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	135 mm
Height	77 mm
Depth	59 mm

## Material specifications

Color	green (RAL 6021)
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## Environmental and real-life conditions

### Ambient conditions

Ambient temperature (operation)	-20 °C ... 50 °C
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## Standards and regulations

Standards/regulations	DIN VDE 0160 (in parts)
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## Mounting

Mounting position	any
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## Environmental product compliance

EU REACH SVHC

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