

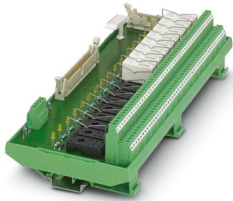
# UM-16 RELS/KSR-G24/21-21/PLC - Active module



2962191

<https://www.phoenixcontact.com/us/products/2962191>

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VARIOFACE output module, with plug-in bases for 16 miniature relays, with 2 changeover contacts each (without relays), for 24 V DC

## Commercial data

Item number	2962191
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	NULL
Product key	DK2191
GTIN	4017918087111
Weight per piece (including packing)	745 g
Weight per piece (excluding packing)	585.5 g
Customs tariff number	85364190
Country of origin	DE

## Technical data

### Product properties

Product type	Interface module
No. of channels	16
	32
Compatible components	Miniature relay, REL-MR- 24DC/21-21
With components	yes

### Insulation characteristics

Overvoltage category	III
Pollution degree	2

### Electrical properties

Supported controller: SIEMENS S7-400

Suitable I/O card	6ES7422-1BL00-0AA0
	6ES7422-7BL00-0AB0

Supported controller: ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-OB32
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Supported controller: ALLEN-BRADLEY PLC 5

Suitable I/O card	1771 OBN
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Supported controller: HONEYWELL Experion PKS C200

Suitable I/O card	TC-ODD 321
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Supported controller: MITSUBISHI MELSEC Q

Suitable I/O card	QY81P
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Supported controller: SCHNEIDER ELECTRIC Modicon TSX QUANTUM

Suitable I/O card	DDO 353
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Supported controller: SIEMENS S7-300 / ET 200 M

Suitable I/O card	6ES7322-1BL00-0AA0
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Supported controller: GE-FANUC RX3i

Suitable I/O card	IC694MDL754
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### Input data

Nominal input voltage $U_N$	24 V DC (Related to the assembly)
Protective circuit	Freewheeling diode; Freewheeling diode
Operating voltage display	Green LED
Status display/channel	Yellow LED

### Output data

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

Contact switching type	2 changeover contacts
Maximum switching voltage	250 V AC/DC
Limiting continuous current	3 A

## Connection data

### Controller level

Connection method	IDC/FLK pin strip
Number of connections	1
Number of positions	50
Pitch	2.54 mm

### Field level

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of connections	16
Number of positions	6
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	267 mm
Height	111.5 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

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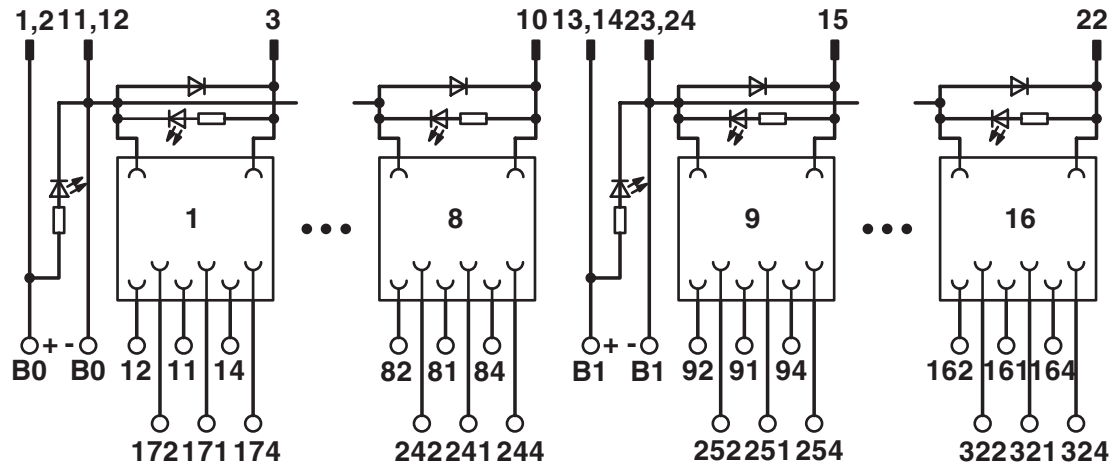
Assembly note	in rows with zero spacing
Mounting position	any

## 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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## Drawings

Circuit diagram



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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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