

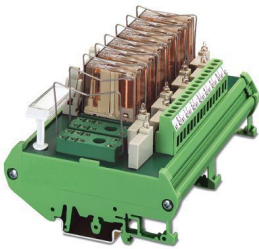
# UMK- 8 RELS/KSR-230AC/I/PLC - Active module



2974943

<https://www.phoenixcontact.com/us/products/2974943>

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VARIOFACE input module, with plug-in sockets for 8 miniature switching relays or miniature optical couplers for 230 V AC

## Commercial data

Item number	2974943
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C421
Product key	DK2191
GTIN	4017918089047
Weight per piece (including packing)	228.3 g
Weight per piece (excluding packing)	2.3 g
Customs tariff number	85364900
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
Compatible components	Miniature switching relays or miniature optocouplers
With components	no

### Insulation characteristics

Overvoltage category	III
Pollution degree	2

### Electrical properties

Supported controller: SIEMENS S7-400

Suitable I/O card	6ES7421-1BL01-0AA0
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Supported controller: GE-FANUC 90-30

Suitable I/O card	IC693 MDL241
	IC693 MDL634
	IC693 MDL645
	IC693 MDL646

Supported controller: ALLEN-BRADLEY ControlLogix

Suitable I/O card	1756-IB32
	1756-IB16

Supported controller: ALLEN-BRADLEY PLC 5

Suitable I/O card	1771 IBN
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Supported controller: ALLEN-BRADLEY SLC 500

Suitable I/O card	1746 IB16
	1746 ITB16
	1746 IN16
	1746 IB 32

Supported controller: HONEYWELL Experion PKS C200

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

Suitable I/O card	QX81
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Supported controller: SIEMENS S7-300 / ET 200 M

Suitable I/O card	CPU 313C-2DP
	CPU 314C-2DP
	CPU 314C-2PtP
	6ES7321-1BH02-0AA0
	6ES7321-1BL00-0AA0
	6ES7323-1BH01-0AA0
	6ES7323-1BL00-0AA0
	6ES7321-1BH10-0AA0
	6ES7322-1BH10-0AA0
	CPU 313C
	CPU 313C-2PtP

## Input data

Nominal input voltage $U_N$	230 V AC
Input voltage range in reference to $U_N$	0.4 ... 1.1
Input voltage range	92 V AC ... 253 V AC
Typical input current at $U_N$	0.5 mA (LED display)
Operating voltage display	Green LED
Status display/channel	Glow lamp

## Output data

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

Contact switching type	1 N/O contact
Maximum switching voltage	24 V DC
	30 V DC
Limiting continuous current	0.5 A
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	14

### Output

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Number of connections	18
Number of positions	3
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 4 mm <sup>2</sup>

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Conductor cross-section flexible	0.2 mm² ... 2.5 mm²
Conductor cross-section AWG	24 ... 12

## Signaling

Status display present	yes
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## Dimensions

Width	135 mm
Height	90 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	IEC 60664
	IEC 60664
	DIN VDE 0110
	DIN VDE 0160 (in parts)

## Mounting

Assembly note	in rows with zero spacing
Mounting position	any

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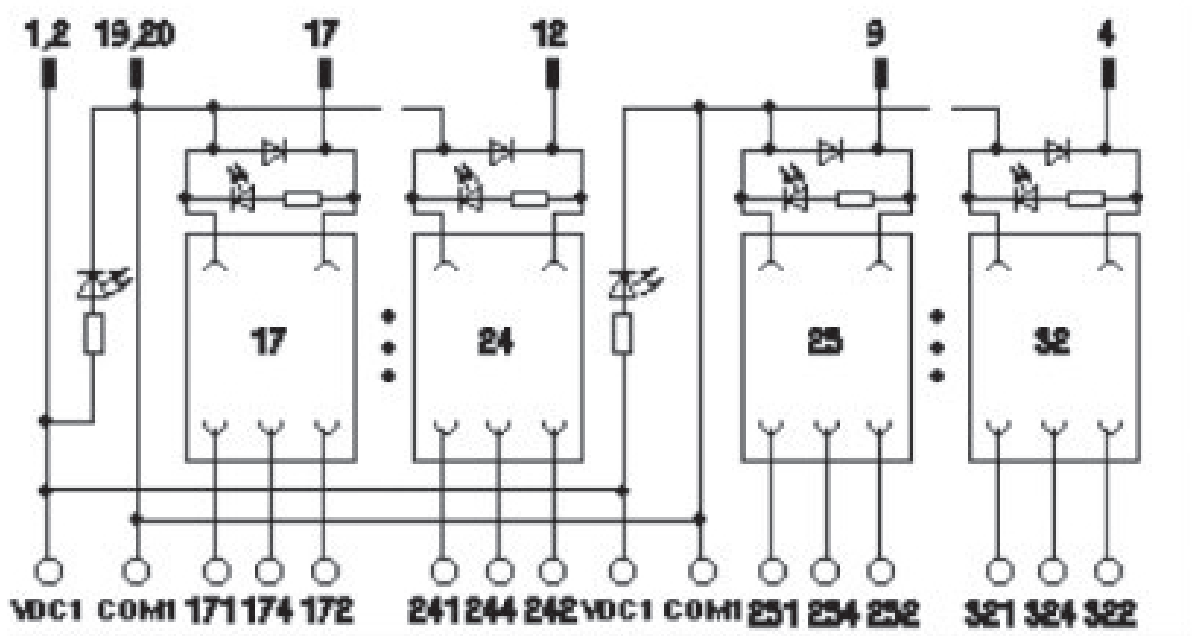


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## Drawings

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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