

# UM-FLK14/8RM/MSTB/GF-DO - Relay module



2902084

<https://www.phoenixcontact.com/us/products/2902084>

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VARIOFACE relay module, with COMBICON screw connection and a 14-pos. flat-ribbon cable connector, 1 changeover contact, 8 miniature switching relays, LED display, and fuse per channel

## Commercial data

Item number	2902084
Packing unit	1 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Product key	DK2A91
GTIN	4046356648554
Weight per piece (including packing)	341 g
Weight per piece (excluding packing)	341 g
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
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#### Insulation characteristics: Air clearances and creepage distances, input/output

Insulation	Reinforced insulation
Overvoltage category	III
Pollution degree	2

#### Insulation characteristics: Air and creepage distances, output/output

Insulation	Functional insulation
Overvoltage category	III
Pollution degree	2

### Electrical properties

#### Air clearances and creepage distances, input/output

Rated insulation voltage	260 V
Rated surge voltage	6 kV (1.2/50 $\mu$ s)

#### Air and creepage distances, output/output

Rated insulation voltage	260 V
Rated surge voltage	4 kV (1.2/50 $\mu$ s)

### Input data

Nominal input voltage $U_N$	24 V DC
Input voltage range in reference to $U_N$	0.8 ... 1.2
Input voltage range	19.2 V DC ... 28.8 V DC
Typical input current at $U_N$	Related to the assembly
Protective circuit	Freewheeling diode; Polarity protection diode
Status display/channel	Yellow LED

### Output data

#### Switching

Contact switching type	1 changeover contact
Maximum switching voltage	250 V AC/DC
Limiting continuous current	3 A

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## Connection data

### Supply

Connection method	Screw connection
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 2.5 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

### Controller level

Connection in acc. with standard	IEC 60603-13
Connection method	Flat-ribbon cable connector in acc. with IEC 60603-13
Number of connections	1
Number of positions	14

### Field level

Connection method	Screw connection
Conductor cross-section rigid	0.2 mm <sup>2</sup> ... 2.5 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

## Dimensions

Width	115 mm
Height	126 mm
Depth	64 mm

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP00
Degree of protection (Installation location)	≥ IP54 (Installation location)
Ambient temperature (operation)	-20 °C ... 50 °C
Altitude	≤ 2000 m

## Standards and regulations

### Air clearances and creepage distances, input/output

Standards/regulations	DIN EN 50178: 1998-04
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### Air and creepage distances, output/output

Standards/regulations	DIN EN 50178: 1998-04
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## Mounting

Mounting type	DIN rail mounting
Mounting position	any

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## Classifications

### ECLASS

ECLASS-13.0	27141152
ECLASS-15.0	27141152

### ETIM

ETIM 10.0	EC002780
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### UNSPSC

UNSPSC 21.0	39121400
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a), 7(c)-I

### 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.)	Lead(CAS: 7439-92-1)
SCIP	15febb12-84f8-4103-bf77-d0907957fc55

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