

2964225

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Relay module, with soldered-in miniature switching relay, gold contact for small loads, 1 changeover contact, input voltage 48 V DC

## Your advantages

· Integrated input circuit and interference suppression circuit

### Commercial data

Item number	2964225
Packing unit	1 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	DK6141
GTIN	4017918099428
Weight per piece (including packing)	41.97 g
Weight per piece (excluding packing)	41.97 g
Customs tariff number	85364190
Country of origin	DE



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## Technical data

## Product properties

Product type	Relay Module		
Application	Universal		
Operating mode	100% operating factor		
Mechanical service life	approx. 2x 10 <sup>7</sup> cycles		
Insulation characteristics			
Insulation	Basic insulation		
Overvoltage category	III		
Pollution degree	2		
Data management status			
Date of last data management	12.09.2025		

## Electrical properties

Maximum power dissipation for nominal condition	0.38 W
Test voltage (Winding/contact)	4 kV AC (50 Hz, 1 min., winding/contact)

### Input data

## Coil side

Nominal input voltage U <sub>N</sub>	48 V DC	
Input voltage range	43.2 V DC 52.8 V DC	
Input voltage range in reference to $U_N$	0.9 1.1	
Drive and function	monostable	
Typical input current at U <sub>N</sub>	8 mA	
Typical response time	7 ms	
Typical release time	11 ms	
Protective circuit	Reverse polarity protection; Polarity protection diode	
	Freewheeling diode; Freewheeling diode	
Operating voltage display	Yellow LED	

## Output data

#### Switching

Contact switching type	Double contact, 1 changeover contact
Type of switch contact	Double contact
Contact material	AgPd60, hard gold-plated
Maximum switching voltage	30 V AC
	36 V DC
Limiting continuous current	0.5 A
Maximum inrush current	0.2 A
Interrupting rating (ohmic load) max.	5 W (at 24 V DC)



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Switching.	WILEII	uie	guiu	iayei	13	uesiloyeu

Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	125 V AC
	150 V DC
Limiting continuous current	2 A
Maximum inrush current	2 A
Interrupting rating (ohmic load) max.	29 W (at 24 V DC)
	29 W (at 48 V DC)
	29 W (at 60 V DC)
	60 VA (for 250 V AC)

#### Connection data

#### Coil side

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 mm² 2.5 mm²
Conductor cross-section AWG	24 12

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## Dimensions

Width	10.6 mm
Height	75 mm
Depth	62.5 mm

### Material specifications

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

#### Ambient conditions

Ambient temperature (operation)	-20 °C 40 °C	
Ambient temperature (storage/transport)	-20 °C 70 °C	

## Standards and regulations



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Standards/regulations	IEC 60664
	EN 50178
Mounting	
Mounting type	DIN rail mounting
Assembly note	in rows with zero spacing
Mounting position	anv

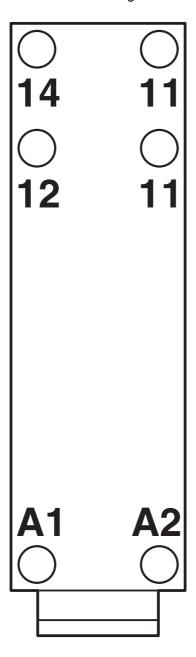


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## Drawings

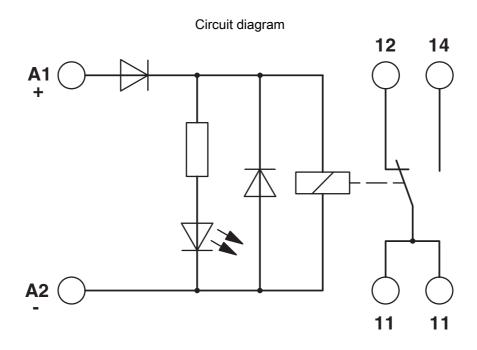






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## Environmental product compliance

#### 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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