

2949295

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Relay module, with soldered-in miniature switching relay, contact (AgNi+Au): small to large loads, 1 changeover contact, input voltage 230 V AC/DC

## Your advantages

- · Safe isolation according to DIN EN 50178 between coil and contact
- · Integrated input circuit and interference suppression circuit

#### Commercial data

Item number	2949295
Packing unit	1 pc
Minimum order quantity	10 pc
Note	Made to order (non-returnable)
Sales key	C460
Product key	CK6141
Catalog page	Page 135 (IF-2011)
GTIN	4017918083755
Weight per piece (including packing)	64.5 g
Weight per piece (excluding packing)	64.5 g
Customs tariff number	85364900
Country of origin	DE



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## Technical data

#### Notes

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EMC note	EMC: class A product, see manufacturer's declaration in the
	download area

### Product properties

Product type	Relay Module
Product family	EMG
Application	Universal
Operating mode	100% operating factor
Mechanical service life	approx. 5x 10 <sup>7</sup> cycles

#### Insulation characteristics

Insulation	Basic insulation
	Safe isolation, reinforced insulation, and 6 kV between input circuit and output contact current paths

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	Safe isolation, reinforced insulation, and 6 kV between input circuit and output contact current paths
Overvoltage category	III
Pollution degree	2

### Electrical properties

Maximum power dissipation for nominal condition	1.15 W
Test voltage (Winding/contact)	5 kV <sub>rms</sub> (50 Hz, 1 min., winding/contact)
Rated insulation voltage	260 V AC
Rated surge voltage	4 kV

### Input data

#### Coil side

Nominal input voltage U <sub>N</sub>	230 V AC/DC
Input voltage range	207 V AC/DC 243.8 V AC/DC (20 °C)
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at U <sub>N</sub>	5 mA
Typical response time	8 ms
Typical release time	10 ms
Protective circuit	Bridge rectifier; Bridge rectifier
	Varistor; Varistor
Operating voltage display	Yellow LED



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## Output data

#### Switching

Contact switching type	1 changeover contact
Type of switch contact	Single contact
Contact material	AgNi, hard gold-plated
Maximum switching voltage	30 V AC
	36 V DC
Limiting continuous current	50 mA
Maximum inrush current	50 mA
Interrupting rating (ohmic load) max.	1.2 W (at 24 V DC)

### Switching: when the gold layer is destroyed

Note	the following values are applicable if a gold layer is destroyed
Maximum switching voltage	250 V AC/DC
Limiting continuous current	6 A
Maximum inrush current	8 A
Interrupting rating (ohmic load) max.	144 W (at 24 V DC)
	58 W (at 48 V DC)
	48 W (at 60 V DC)
	50 W (at 110 V DC)
	80 W (at 220 V DC)
	1500 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 mm² 4 mm²
Conductor cross section flexible	0.2 mm² 2.5 mm²
Conductor cross section AWG	24 12

#### Contact side

Connection method	Screw connection
Stripping length	8 mm
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#### **Dimensions**

Width	22.5 mm
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Assembly instructions

Mounting position

Height	75 mm		
Depth	62.5 mm		
Environmental and real-life conditions			
Ambient conditions			
Degree of protection	IP20		
Ambient temperature (operation)	-20 °C 50 °C		
Ambient temperature (storage/transport)	-20 °C 70 °C		
Standards and regulations			
Standards/regulations	EN 50178		
Mounting			
Mounting type	DIN rail mounting		

in rows with zero spacing

any

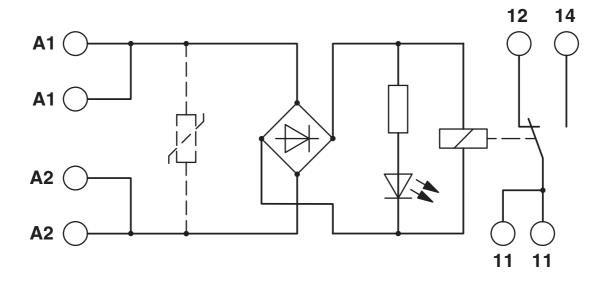


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## Drawings

### Circuit diagram





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## **Approvals**

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EAC

Approval ID: TR\_TS\_D\_00573\_c



**EAC** 

Approval ID: RU\*C-DE.\*08.B.00010



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## Classifications

#### **ECLASS**

	ECLASS-11.0	27371601		
	ECLASS-12.0	27371601		
	ECLASS-13.0	27371601		
ΕT	ETIM			
	ETIM 8.0	EC001437		
UN	UNSPSC			
	UNSPSC 21.0	39122300		



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## Environmental product compliance

REACh SVHC	Lead 7439-92-1
	Hexahydromethylphthalic anhydride
Ohios Dallo	Carifornia and the Caine die Han Davied - 50 conse
China RoHS	Environmentally Friendly Use Period = 50 years

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