

2964050

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Relay terminal block for sensor, with soldered-in miniature relays, contact (AgNi+Au): small to medium loads, 1 N/O contact, input voltage 24 V AC/DC, for assembly on NS 35/7.5, terminal width 6.2 mm

### Your advantages

- · Reduced costs as N terminal block is no longer required
- Up to 73 % more space
- · Wiring reduced to a minimum
- · Integrated input circuit
- 2 kV<sub>rms</sub> electrical isolation between input and output
- 2-layer contact with hard gold plating for universal applications from 1 mA to 5 A continuous current

### Commercial data

Item number	2964050
Packing unit	10 pc
Minimum order quantity	10 pc
Sales key	C460
Product key	CK6151
Catalog page	Page 441 (C-5-2019)
GTIN	4017918099367
Weight per piece (including packing)	23.2 g
Weight per piece (excluding packing)	22.71 g
Customs tariff number	85364190
Country of origin	CN



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### Technical data

#### Notes

General	Use of EB 80-DIK bridges in the DEK terminal blocks: Absorption of humidity from the ambient air as well as an unfavorable tolerance between a larger number of DEK terminal blocks and the EB 80-DIK bridge may cause (minor) expansion of the DEK housing. When the EB 80-DIK bridges are used, therefore, it is recommended that these be disconnected after about 10 to 12 DEK terminal blocks and a wire bridge to the next DEK terminal block be inserted in their place.

### Product properties

Product type	Relay Module
Product family	DEK
Application	Input function
Operating mode	100% operating factor
Mechanical service life	approx. 2x 10 <sup>7</sup> cycles

#### Insulation characteristics

Insulation	Basic insulation

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Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

### Electrical properties

Maximum power dissipation for nominal condition	0.16 W
Test voltage (Winding/contact)	2 kV AC (50 Hz, 1 min., winding/contact)

### Input data

### Coil side

Nominal input voltage U <sub>N</sub>	24 V AC/DC
Input voltage range	19.2 V AC/DC 26.4 V AC/DC (20 °C)
Drive and function	monostable
Drive (polarity)	polarized
Typical input current at U <sub>N</sub>	6.5 mA
Typical response time	5 ms
Typical release time	15 ms
Protective circuit	Bridge rectifier; Bridge rectifier
Operating voltage display	Yellow LED

### Output data

#### Switching

C. Marining	
Contact switching type	1 N/O contact



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Type of switch contact	Double contact
Contact material	AgNi, hard gold-plated
Maximum switching voltage	250 V AC
	125 V DC
Minimum switching voltage	0.1 V
Limiting continuous current	3 A (5 A up to 35°C at 24 V DC)
Maximum inrush current	5 A
Min. switching current	1 mA
Interrupting rating (ohmic load) max.	72 W (at 24 V DC)
	60 W (at 48 V DC)
	50 W (at 60 V DC)
	50 W (at 110 V DC)
	750 VA (for 250□V□AC)
	120 W (at 24 V DC - up to 35°)

### Connection data

Connection method	Screw connection
Stripping length	8 mm
Screw thread	M3
Conductor cross section rigid	0.2 mm² 2.5 mm²
Conductor cross section flexible	0.2 mm² 2.5 mm²
Conductor cross section AWG	24 14
Tightening torque	0.5 Nm

### **Dimensions**

Width	6.2 mm
Height	80 mm
Depth	56 mm

### Material specifications

#### 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 60947-5-1
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### Mounting

Mounting type	DIN rail mounting
Assembly instructions	in rows with zero spacing
Mounting position	any



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## Classifications

UNSPSC 21.0

### **ECLASS**

ECLASS-11.0	27371601
ECLASS-12.0	27371601
ECLASS-13.0	27371601
ETIM	
ETIM 9.0	EC001437
UNSPSC	

39122300



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## Environmental product compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

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