

# BC 17 REL-S/MSTB/R10K/R1K - Relay module



1003549

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Relay module, standard interface for fire alarm systems, with a firmly soldered miniature relay, 1 N/C contact, input voltage: 24 V DC

## Commercial data

Item number	1003549
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	DK61Y1
GTIN	4055626470863
Weight per piece (including packing)	76 g
Weight per piece (excluding packing)	76 g
Country of origin	DE

## Technical data

### Product properties

Product type	Relay Module
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Insulation characteristics: Air clearances and creepage distances, input/output

Insulation	Basic insulation
Overvoltage category	III
Pollution degree	2

Data management status

Date of last data management	12.09.2025
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### Electrical properties

Air clearances and creepage distances, input/output

Rated insulation voltage	250 V
Rated surge voltage	4 kV (1.2/50 µs)

### Input data

Coil side

Nominal input voltage $U_N$	24 V DC
Input voltage range	19.2 V DC ... 26.4 V DC (20 °C)
Typical input current at $U_N$	10 mA
Protective circuit	Bridge rectifier; Bridge rectifier, varistor Capacitor; Capacitor
Operating voltage display	LED

### Output data

Switching

Contact switching type	1 N/C contact
Contact material	AgSnO <sub>2</sub> , gold-plated
Note	One 1 kΩ resistor is connected in series and one 10 kΩ resistor is connected in parallel with the output
Maximum switching voltage	30 V AC
Limiting continuous current	max. 10 mA

### Connection data

Input

Connection method	Screw connection
Conductor cross-section rigid	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	26 ... 14

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## Output

Connection method	Screw connection
Conductor cross-section rigid	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section flexible	0.14 mm <sup>2</sup> ... 2.5 mm <sup>2</sup>
Conductor cross-section AWG	26 ... 14

## Dimensions

Width	17.8 mm
Height	90 mm
Depth	61 mm

## Material specifications

Color	gray (RAL 7042)
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## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP20
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	EN 50178
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## Mounting

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

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## Classifications

### ECLASS

ECLASS-13.0

27371601

### UNSPSC

UNSPSC 21.0

39122300

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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	7(a)

### 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.)	Hexahydromethylphthalic anhydride(CAS: n/a)
	Lead(CAS: 7439-92-1)

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