

# BC 17 REL-S/MSTB/R3,3K/R680 - Relay module



2900116

<https://www.phoenixcontact.com/us/products/2900116>

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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	2900116
Packing unit	1 pc
Minimum order quantity	50 pc
Note	Made to order (non-returnable)
Product key	DK64Y1
GTIN	4046356473705
Weight per piece (including packing)	75.4 g
Weight per piece (excluding packing)	64.85 g
Country of origin	DE

## Technical data

### Product properties

Product type	Relay Module
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	01.04.2026

### 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	A 680 Ω resistor is connected in series and a 3.3 kΩ resistor is connected parallel to the output
Maximum switching voltage	30 V AC
Limiting continuous current	max. 3 A

### 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

### Item 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

## 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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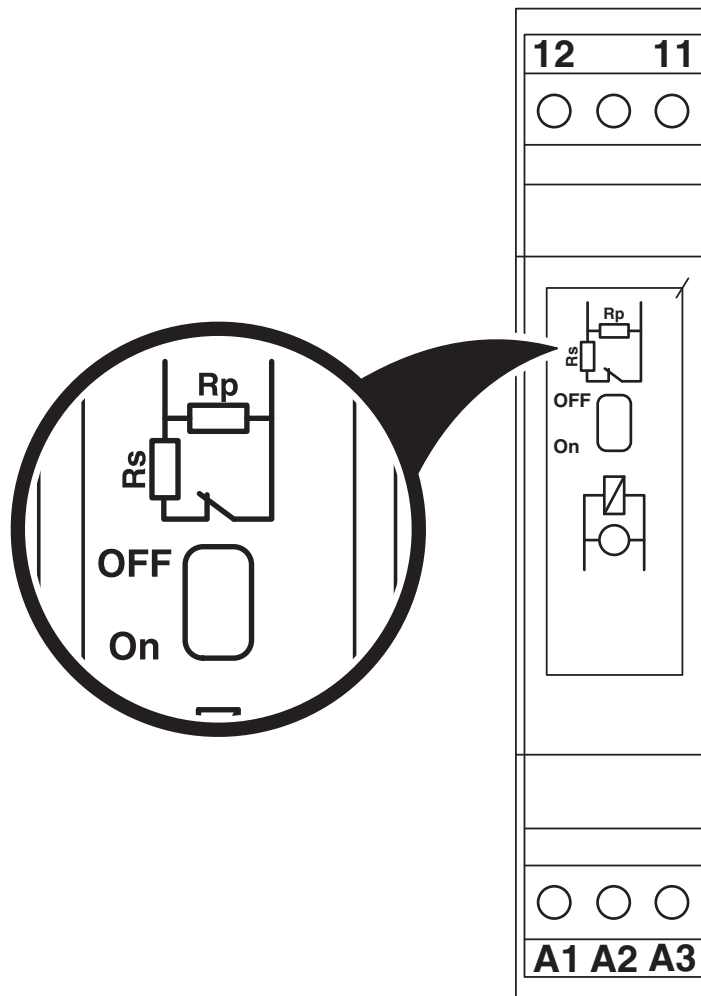


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## Drawings

Block diagram



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## Classifications

### ECLASS

ECLASS-13.0	27371601
ECLASS-15.0	27371601

### ETIM

ETIM 10.0	EC001437
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### 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.)	Lead(CAS: 7439-92-1)
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### EF3.1 Climate Change

CO2e kg	1.343 kg CO2e
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