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BIS-419-LED

Bistable sequential relay, 4 functions

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The electronic bistable relay enables switching on the lighting or other device from several different points by means of parallel connected control buttons.

Sequential. Power supply 230 V AC . Maximum load 2 x 16 A (160 A / 20 ms). On the 35 mm rail. Can be used with backlit buttons.



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DESCRIPTION

BIS-419i 230V is available in versions:

- BIS-419 230 V - basic model with a single 16 A relay
- BIS-419i 230 V - with contact adapted to work with receivers with a large starting current, such as: LED lamps, ESL fluorescent lamps, electronic transformers, discharge lamps, etc.

Purpose

Electronic bistable pulse relay enables switching on or off the lighting or other device from several different points by means of parallel connected, momentary (bell) control switches.

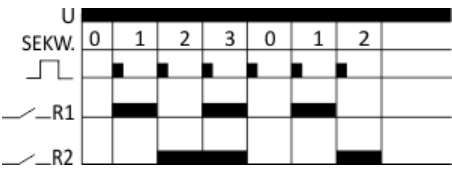
The BIS-419 relay has two switching sections and enables two circuits (branches) of lighting or other receivers to be connected according to the selected sequence from several different points.

Functioning

Power supply of the relay is signaled by the green LED. The sequential relay has two separate outputs R1 and R2. The contact status (closed / open) is forced sequentially according to the given program. Switching the contacts into the next state follows the next pulse of the control button. Switching on contact R1 and R2 is signaled by lighting of the corresponding red LEDs R1 and R2. After a power failure, the contact status is reset. After restarting the supply voltage, the relay starts operation from sequence No. 0.

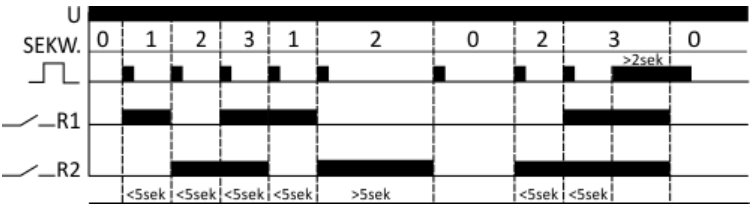
Work functions

Function A



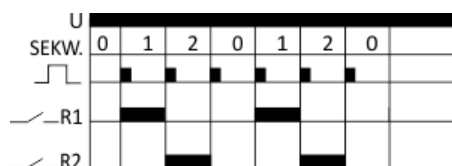
Subsequent presses of the button repeat sequence 0-3.

Function B



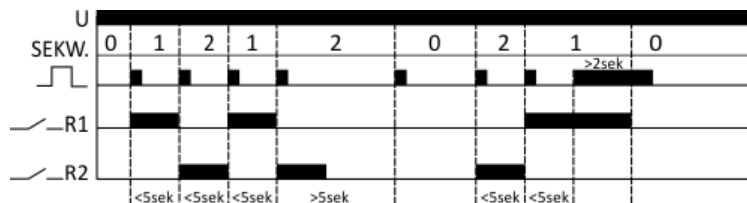
- * Repeatedly pressing the button in less than 5 seconds, repeats sequences 1-3.
- * The next pressing of the button after a time longer than 5 s, disconnects both contacts (sequence 0).
- * Long press of the button - in any sequence - disconnects both contacts (sequence 0).
- * After switching off both relays, pressing the button again restores the state before the shutdown (state memory). It does not apply to the case of power failure of the relay.

Function C



Subsequent presses of the button repeat sequence 0-3.

Function D



- * Repeatedly pressing the button in less than 5 seconds, repeats sequences 1-3.
- * The next pressing of the button after a time longer than 5 s, disconnects both contacts (sequence 0).
- * Long press of the button - in any sequence - disconnects both contacts (sequence 0).
- * After switching off both relays, pressing the button again restores the state before the shutdown (state memory). It does not apply to the case of power failure of the relay.

Attention!

The BIS-419i 230V is compatible with bell pushes equipped with fluorescent lamps.



TECHNICAL DATA

Width in number of modular spacings	1
Built-in depth	65 mm
Control voltage 1	165-265 V
Frequency control voltage 1	50-50 Hz
Rated switch current	16 A
Supply voltage	165-265 V
Max. incandescent lamp load	2000 W
Max. load fluorescent lamp	600 VA
Max. load fluorescent lamp (Duo circuit)	750 VA
Max. load fluorescent lamp (parallel compensated)	600 VA
Max. switching current (cos phi = 0.6)	12 A
Suitable for manual operation	Nie
Function	Electronic switch
Mounting method	DIN rail
Type of control voltage 1	AC
Voltage type (supply voltage)	AC
Number of contacts as normally open contact	2
Number of contacts as normally closed contact	0
Number of contacts as change-over contact	0

Manual

CE declaration

Certificate