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Eltako ELECTRONICS

Impulse switch ES61-UC

CE

Only skilled electricians may install this electrical equipment otherwise there is the risk of fire or electric shock!

Temperature at mounting location:
-20°C up to +50°C.
Storage temperature: -25°C up to +70°C.
Relative humidity:
annual average value <75%.

1 NO contact potential free 10A/250V AC, incandescent lamp load up to 2000W. No standby loss.

For installation and surface mounting. 45mm long, 55mm wide, 18mm deep.

Either universal control voltage 8 to 230V UC at the control input +A1/-A2 **or** 230V with a glow lamp current up to 5mA at the control input ⏀ (L)/-A2(N).

Using two potentials simultaneously at the control inputs is not permitted.

Very low switching noise.

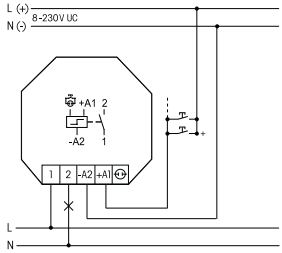
No permanent power supply necessary, therefore no standby loss.

By using a bistable relay coil power loss and heating is avoided even in the on mode.

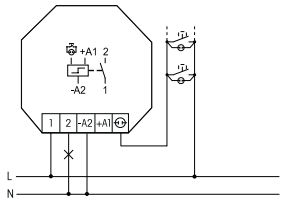
The relay contact can be open or closed when putting into operation. It will be synchronised at first operation.

If this impulse switch is in a circuit, which is monitored by a FR12-230V mains disconnection relay, no additional base load is required. However, the monitoring voltage of the FR12-230V must be set to 'max'.

Typical connections



Either universal control voltage 8 to 230V UC



or 230V with a glow lamp current up to 5mA

Technical Data

Control voltage AC	8 to 253V
Control voltage DC	10 to 230V
Rated switching capacity	10A/250V AC
Incandescent lamp load and Halogen lamp load [1] 230V	2000W
Fluorescent lamp load with KVG* in lead-lag circuit or non compensated	1000VA
Fluorescent lamps with KVG* shunt-compensated or wih EVG*	500VA
Compact fluorescent lamp EVG* and energy saving lamps ESL	Ion ≤ 70A/ 10ms [2]
Standby loss (activ power)	-

[1] For lamps with 150W max.

[2] For electronic ballast gears a 40fold inrush current has to be calculated. For steady loads of 600W use the current-limiting relay SBR61.

* EVG = electronic ballast units;
KVG = conventional ballast units

Must be kept for later use!

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