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61 100 501- **1**

Eltako ELECTRONICS

Impulse switch

ES61-8..230 V UC

CE

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

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

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

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

Very low switching noise.

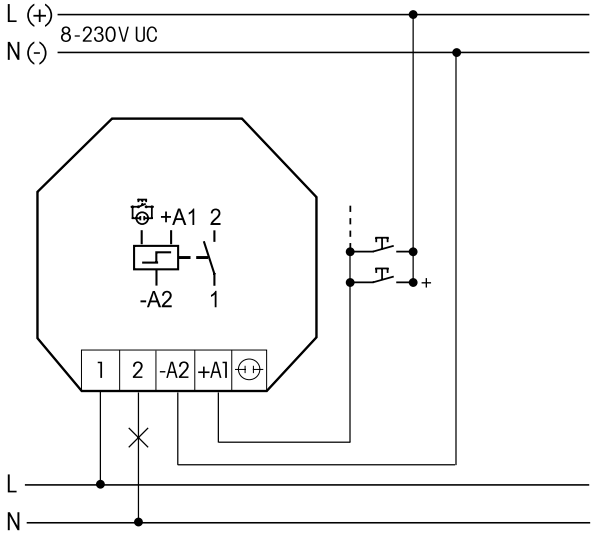
No permanent power supply necessary, therefore no standby loss.

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

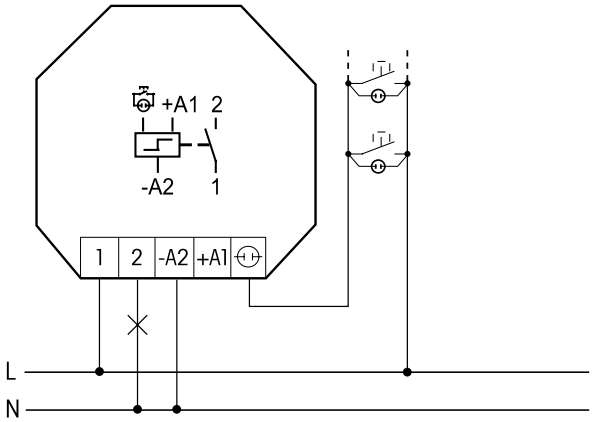
The relay contact can be open or closed when putting into operation. It will be synchronised at first operation.

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

Typical connections



Either universal control voltage 8 to 230 V UC



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

Technical Data

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

[1] For lamps with 150 W max.

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

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

Warning!

Only a trained electrician may install this equipment, otherwise there is a risk of fire or electric shock.

08/2009 Specifications subject to change.