

Impulse switch  
ES61-UC



**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 5 mA at the control input ⊕ (L)/-A2(N).

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

Very low switching noise.

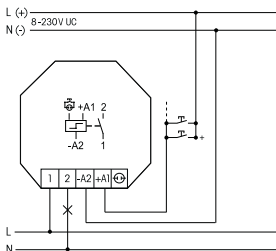
**No permanent power supply necessary, therefore no standby loss.**

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

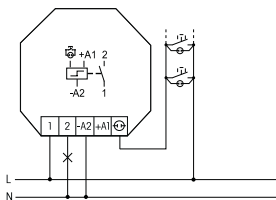
The relay contact can be open or closed when putting into operation. It will be synchronised at first operation.

**If this impulse switch is in a circuit, which is monitored by a FR12-230V 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 5 mA

## 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 <sup>1)</sup>	2000W 230V
Fluorescent lamp load with KVG* 1000VA in lead-lag circuit or non compensated	
Fluorescent lamps with KVG* 500VA shunt-compensated or with EVG*	
Compact fluorescent lamp EVG* and energy saving lamps ESL	Ion ≤ 70A/ 10ms <sup>2)</sup>
Standby loss (activ power)	-

<sup>1)</sup> For lamps with 150W max.

<sup>2)</sup> 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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