GB

ELTAKO ELECTRONICS

Impulse switches CE
ES12-100/200/110-8..230 V UC

Incandescent lamp load up to 2000 W.
No standby loss.

Modular device for DIN-EN 50 022 rail mounting. 1 module = 18 mm wide, 58 mm deep.

Either universal control voltage 8 to 230 V UC at the control input +A1/A2 **or** 230 V with 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.

No permanent power supply necessary, therefore no standby loss.

By using a bistable relay causing 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.

ES12-100-:
1 NO contact potential free 16 A/250 V AC.

Same terminal connection as the electro-mechanical impulse switch S12-100-.

ES12-200-:
2 NO contacts potential free 16 A/250 V AC.

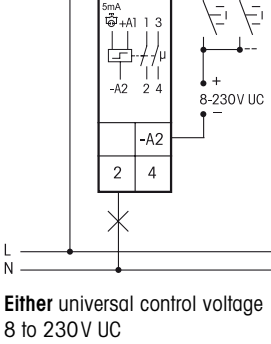
Maximum current across both contacts 20 A for 230 V.

Same terminal connection as the electro-mechanical impulse switch S12-200-.

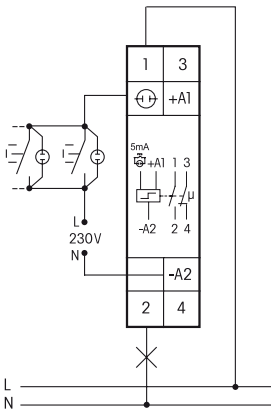
ES12-110-:
1 NO contact + 1 NC contact potential free 16 A/250 V AC.

Same terminal connection as the electro-mechanical impulse switch S12-110-.

Typical connections



Either universal control voltage 8 to 230 V UC



or 230 V with glow lamp current up to 5 mA

Technical Data

Control voltage	8 to 230 V UC
Rated switching capacity	16 A/250 V AC
Incandescent lamp load and Halogen lamp load 230 V[1)]	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	I on ≤ 70 A/ 10 ms[2)]
Standby loss (activ power)	-

1) For lamps with 200 W max.

2) For electronic ballast gears a 40fold inrush current has to be calculated.

The strain relief clamps of the terminals must be closed, that means the screws must be tightened for testing the function of the device. The terminals are open ex works.

Warning!

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