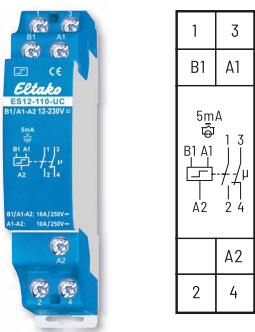
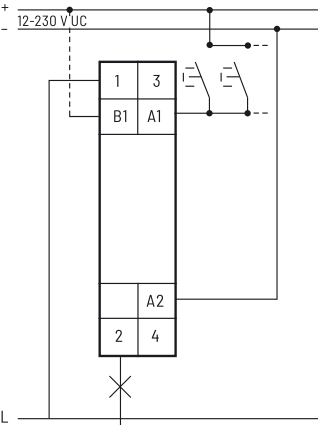


# ELECTRONIC IMPULSE SWITCH ES12-110-UC FOR UNIVERSAL CONTROL VOLTAGE UC

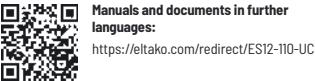
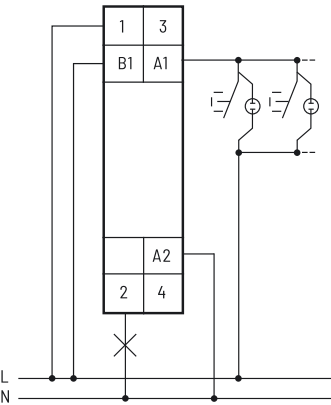


## Typical connections

**Either** universal control voltage 12 to 230 V UC



**or** control voltage 230 V with glow lamp current up to 5 mA



Technical data page 11-18.  
Housing for operating instructions  
GBA14 page 1-48 chapter 1.

# ES12-110-UC



**1 NO contact + 1 NC contact potential free 16 (10) A/250 V AC. 230 V LED lamps up to 200 W, incandescent lamp load up to 2000 W. No standby loss.**

Modular device for DIN-EN 60715 TH35 rail mounting.  
1 module = 18 mm wide, 58 mm deep.

**Either** universal control voltage 12 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 A1/A2. In addition, terminal B1 must be connected.

The simultaneous use of two potentials at the control inputs is not permitted.  
Very low switching noise.

**No constant power supply is required unless terminal B1 is connected. This means there is no power consumption in standby mode. When switching loads with more than 10 A or using neon lamps, terminal B1 must also be connected. This results in a standby loss of only 0.4 W.**

State-of-the-art hybrid technology combines advantages of nonwearing electronic control with high capacity of special relays.

**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.

Same terminal connection as the electromechanical impulse switch S12-110-.

**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'.**

The electronics does not have an internal power supply and therefore no power is consumed in any contact position. A control current flows only during a short control impulse of 0.2 seconds. This activates the microcontroller, reads the last switching state from the non-voltage memory, switches the bistable relay to its opposite state accordingly and rewrites the new switching state to memory.

<b>ES12-110-UC</b>	Impulse switch, 1 NO contact + 1 NC contact 16(10)A	<b>Art. No. 21110002</b>	<b>58,20 €/pc.</b>
--------------------	--	--------------------------	--------------------