



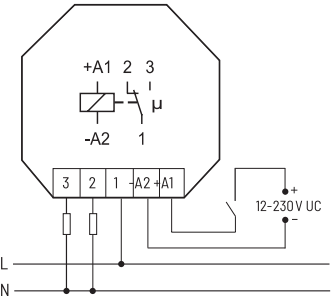
61 001 601 - 2

Switching relay

ER61-UC



Typical connection



Manuals and documents in further languages:



<http://eltako.com/redirect/ER61-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 change over contact potential free  
10A/250V AC, incandescent lamp load up  
to 2000 W. No standby loss.**

For installation.  
45 mm long, 45 mm wide, 18 mm deep.  
State-of-the-art hybrid technology  
combines advantages of nonwearing  
electronic control with high capacity of  
special relays.  
Universal control voltage 12 to 230V UC.  
Low switching noise.

**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.

**This relay is not suitable to feed back  
the switching voltage signal of a  
dimmer switch. Use only relays  
ESR12DDX-UC, ESR12NP-230V+UC or  
ESR61NP-230V+UC for this purpose.**

Technical data

Control voltage UC	12..230 V
Rated switching capacity	10A/250 V AC
230V-LED lamps	up to 200W <sup>3)</sup>
Incandescent lamp and halogen lamp load <sup>1)</sup> 230V	2000 W
Fluorescent lamp load with KVG in lead-lag circuit or non compensated	1000VA
Fluorescent lamp load with KVG shunt-compensated or with EVG	500VA
Compact fluorescent lamps with EVG and energy saving lamps	I <sub>in</sub> ≤ 70A/10ms <sup>2)</sup>
Stand by loss (active power)	-

- <sup>1)</sup> For lamps with 150W max.  
<sup>2)</sup> A 40-fold inrush current must be expected for elec-  
tronic ballast devices. For steady loads of 600W use  
the current-limiting relay SBR61.  
<sup>3)</sup> Usually applies for dimmable energy saving lamps  
and dimmable 230V LED lamps. Due to differences in  
the lamps electronics, there may be a restriction on  
the maximum number of lamps; especially if the  
connected load is very low (for 5W-LEDs).



**Must be kept for later use!**

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