# Switching relay
# ER61-UC

1 change over contact potential free 16 A/250 V AC, incandescent lamp load up to 2000 W. No standby loss.

For installation.
45 mm long, 55 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 8 to 230 V UC.

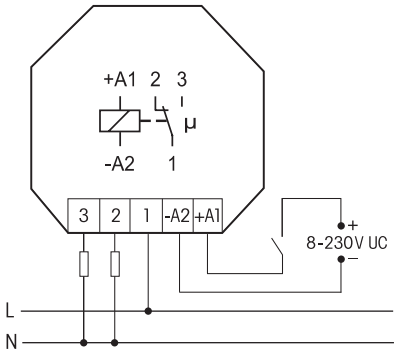
Low switching noise.

**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-230 V+UC or ESR61NP-8..230 V UC for this purpose.**

**Typical connection**




**Technical data**

| | |
|---|---|
| Control voltage | 8..230 V UC |
| Rated switching capacity | 16 A/250 V AC |
| Incandescent lamp and halogen lamp load [1] 230 V | 2000 W |
| Fluorescent lamp load with KVG in lead-lag circuit or non compensated | 1000 VA |
| Fluorescent lamp load with KVG shunt-compensated or with EVG | 500 VA |
| Compact fluorescent lamps with EVG and energy saving lamps | I on ≤ 70 A/10 ms [2] |
| Stand by loss (active power) | - |

[1] For lamps with 150 W max.
[2] A 40-fold inrush current must be expected for electronic ballast devices. For steady loads of 600 W use the current-limiting relay SBR61.

## Warning!

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