

## Switching relays

ER12-001-UC,

ER12-002-UC

**ER12-001:**

1 change over contact potential free  
16A/250V AC.

Safe disconnection to VDE 0106, Part 101;  
therefore, these devices can also be used as  
coupling relays.

**ER12-002:**

2 change over contacts potential free  
16A/250V AC.

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

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

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

Universal control voltage 8 to 230V UC.

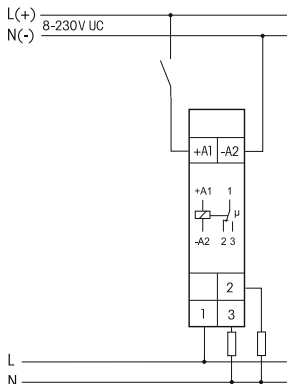
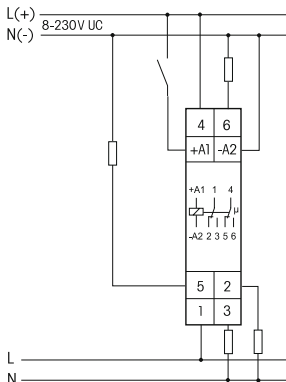
Low switching noise. Contact position indicator  
with LED.

Integrated free-wheeling anti-surge diode  
(A1 = +, A2 = -).

**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-230 V+UC for this  
purpose.**

**Typical connections****ER12-001****ER12-002****Technical Data**

Control voltage	8..230V UC
Rated switching capacity	16A/250V AC
Incandescent lamp load and halogen lamp load <sup>1)</sup>	2000 W 230V
Fluorescent lamp load with KVG in lead-lag circuit or non compensated	1000 VA
Fluorescent lamps with KVG shunt-compensated or with EVG	500 VA
Compact fluorescent lamp with EVG and energy saving lamps	1 on ≤ 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  
1200W use the current-limiting relay SBRI2.



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.

**Important note!**

**Only skilled electricians may install this  
electrical equipment otherwise there is  
the risk of fire or electric shock!**