GB

22 001 601-1 • 22 002 601-1

Eltako ELECTRONICS

Switching relays CE
ER12-001-8..230 V UC, ER12-002-8..230 V UC

ER12-001:
1 change over contact potential free 16 A/250 V 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 16 A/250 V AC.

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.

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.

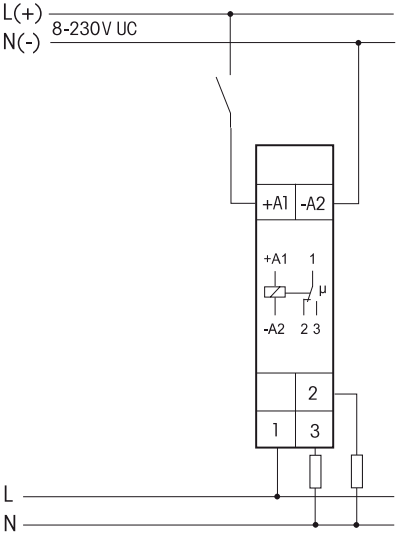
Low switching noise. Contact position indicator with LED.

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

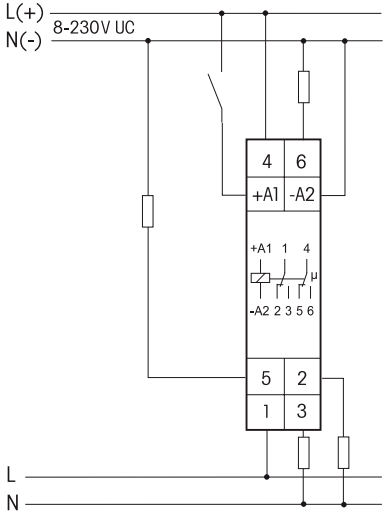
By using a bistable relay coil power loss and heating is avoided even in the on mode.

The relay contact can be open or closed when putting into operation. It will be synchronised at first operation.

Typical connections



ER12-001



ER12-002

Technical Data

Control voltage	8..230 V UC
Rated switching capacity	16 A/250 V AC
Incandescent lamp load and halogen lamp load[1] 230 V	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 with EVG and energy saving lamps	I on ≤ 70 A/ 10 ms[2]
Standby loss (activ power)	–

[1] For lamps with 150 W max

[2] For electronic ballast gears a 40fold inrush current has to be calculated. For steady loads of 1200 W use the current-limiting relay SBR12.

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.