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Noiseless solid state relays ER12SSR-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%.

Noiseless solid state relay not potential free, 230 V LED lamps up to 400 W, incandescent lamp load 400 W. No standby loss.

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

Universal control voltage: 12 to 230 V UC, galvanically isolated from the switching voltage.

Contact position indication with LED.

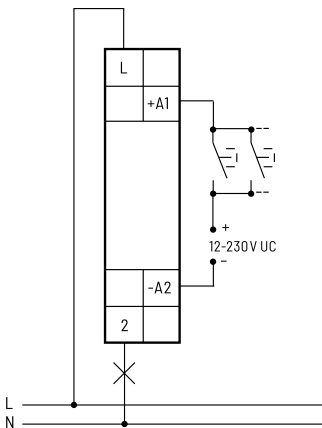
Switching voltage 230 V AC.

Zero passage switching.

With automatic overtemperature shutdown.

With a load < 1W a GLE must be switched parallel to the load.

Typical connection



Technical data

230 V LED lamps	up to 400 W ¹⁾ I on ≤ 120 A/20 ms
Control voltage UC	12..230 V
Incandescent lamp and 230 V halogen lamp load	400 W
Fluorescent lamp load with KVG* in lead-lag circuit or non compensated	400 VA
Fluorescent lamp load with KVG* shunt-compensated or with EVG*	400 VA
Max. parallel capacitance (approx. length) of single control lead at 230 V AC	30 nF (100 m)
Standby loss (active power)	none

* EVG = electronic ballast units; KVG = conventional ballast units

¹⁾ 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 2W-LEDs).

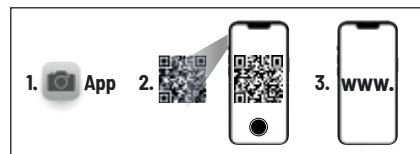


The strain relief clamps of the terminals must be closed, that means the screws must be tightened for testing the function of the device. The terminals are open ex works.

Manuals and documents in further languages



<http://eltako.com/redirect/ER12SSR-UC>



Must be kept for later use!

We recommend the housing for operating instructions GBA14.

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