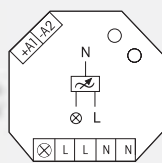


**NEW**

**EUD61NPN-UC**



## Power MOSFET 500W. Standby loss 0.1 watt only.

For installation and surface mounting. 45 mm long, 55 mm wide, 18 mm deep.

Universal dimmer switch for R, L and C loads up to 500 watt, depending on ventilation conditions. Dimmable energy saving lamps ESL up to 100 watt. Automatic detection of load R+L or R+C. ESL is manually settable.

**Universal control voltage 8 to 230V UC**, electrically isolated from the 230V supply voltage and switching voltage.

## Zero passage switching with soft start and soft OFF to protect lamps.

The minimum brightness level (completely dimmed down) can be adjusted with **the rotary switch** % , e.g. for dimmable energy saving lamps.

The dimming speed can be adjusted **with the dimming speed rotary switch**. Simultaneously the soft on and soft off period is changed.

**The settings ESL** consider the special conditions regarding dimmable energy saving lamps: The starting operation is optimized and the dimm speed changes logarithmically. In these settings the special switching operation for children's rooms is not possible and no wound (inductive) transformer must be dimmed. In position -ESL Memory is switched off. This can be of advantage for energy saving lamps because cold energy saving lamps require a higher minimum brightness as it will possibly be stored in Memory for warmer energy saving lamps.

Short-time control commands switch on/off, permanent control varies the brightness up to the maximum level.

An interruption of control changes the direction of dimming.

The brightness level is stored after switching off.

In case of a power failure the switching position and the brightness level are stored.

If applicable the dimmer will be switched on at the stored brightness level after the supply voltage is recovered.

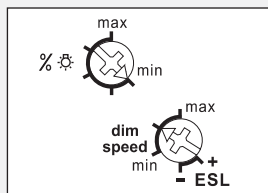
Automatic electronic overload protection and over-temperature switch-off.

**Switching operation for children's rooms:** If the light is switched on by holding down the push-button, it starts at the lowest brightness level after approx. 1 second and dims up slowly as long as the pushbutton is held down without modifying the last stored brightness level.

**Snooze function:** With a double impulse the lighting is dimmed down from the current dimming position to the minimum brightness level and switched off. The current dimming position as well as the adjustable minimum brightness level determine the dimming time (max. = 60 minutes) which can be reduced as required. It can be switched off at any time by short-time control commands during the lighting is dimmed down. Holding down the push-button during the dimming down process dims up and stops the snooze function.

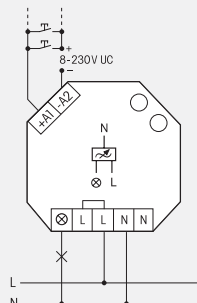
Mixing of L loads (inductive loads, e.g. wound transformers) and C loads (capacitive loads, e.g. electronic transformers) is not permitted. R loads (ohmic loads, e.g. 230V incandescent-lamps and halogen lamps) may be added anytime.

## Function rotary switches



Standard setting ex factory.

## Typical connection



**EUD61NPN-UC**

Power MOSFET 500W

EAN 4010312 107874

Recommended retail prices excluding VAT.