

# Product data sheet

## Universal dimmer LED



### Reference number

UD 1755 REG

### Universal dimmer LED

Rail mounting device, 2 rail units

### Intended use

- Switching and dimming of lighting
- Mounting on DIN rail according to EN 60715 in distribution boxes
- Operation takes place using the buttons, 2- or 3-wire satellite insert, rotary satellite insert or push-button with make contact (NO)

### Product characteristics

- Device works according to the leading edge phase control or trailing edge phase control principle
- Automatic or manual setting of the dimming principle suitable for the load
- Display of the set operating mode by means of LED
- Switch-on via bulb-preserving soft start
- Switch-on with last brightness or saved switch-on brightness
- Switch-on brightness can be saved permanently
- Minimum brightness can be saved permanently
- Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest
- Electronic over-temperature protection
- Power extension possible by means of power boosters (ref.-no. ULZ 1755 REG)
- Optional accessory: compensation module LED, ref.-no.: KM LED 230 U

### Technical data

Rated voltage:	AC 230 V ~
Mains frequency:	50/60 Hz
Stand-by power:	approx. 0.3 W
Power loss:	approx. 3.8 W
Ambient temperature:	-5 ... +45 °C
Connected load at 25 °C	
Incandescent lamps:	20 ... 420 W
HV halogen lamps:	20 ... 420 W
Electronic transformers:	20 ... 420 W
Electronic transformers with LV LED:	20 ... 100 W
Inductive transformers:	20 ... 420 VA
Inductive transformers with LV LED:	20 ... 100 VA
Dimmable HV LED lamps:	typical 3 ... 100 W
Dimmable compact fluorescent lamps:	typical 3 ... 100 W
Operating mode LED trailing edge phase control: Rated power for HV LED lamps, typ.	
3 ... 400 W, electronic transformers with LV LED typ.	20 ... 200 W.
Ohmic-capacitive:	20 ... 420 W
Capacitive-inductive:	not permitted
Ohmic-inductive:	20 ... 420 VA

Ohmic and HV LED:	typical 3 ... 100 W
Ohmic and CFL:	typical 3 ... 100 W
Amplifiers:	see instructions for amplifier
Connection:	screw terminals
single wire:	1 x 0.75 ... 4.0 mm <sup>2</sup> x 0.75 ... 2.5 mm <sup>2</sup>
stranded without ferrule:	1 x 0.75 ... 4.0 mm <sup>2</sup> x 0.75 ... 2.5 mm <sup>2</sup>
stranded with ferrule:	1 x 0.5 ... 2.5 mm <sup>2</sup>
Number of satellite units	
Satellite insert 2-wire 1720 NE:	unlimited
Satellite insert 3-wire 1723 NE:	10
Rotary satellite insert 3-wire 1733 DNE:	10
unlit installation buttons:	unlimited
Total length of extension unit cable:	max. 100 m
Total length power cable:	max. 100 m
Mounting width:	36 mm (2 rail units)



**Version:**  
1-channel