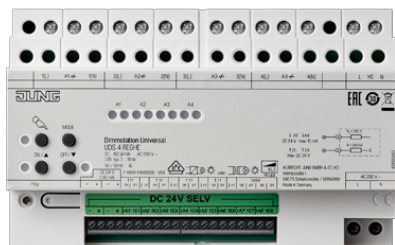


Product data sheet

LED universal dimming station 4-gang



Reference number

UDS 4 REGHE

LED universal dimming station 4-gang

rail mounting device, 8 rail units

Intended use

- Switching and dimming of incandescent lamps, HV halogen lamps, dimmable HV LED lamps, dimmable compact fluorescent lamps, dimmable inductive transformers with LV halogen or LV LED lamps, dimmable electronic transformers with LV halogen or LV LED lamps
- Suitable for mixed load up to the specified output
- Operation by means of push-button sensors, sensor modules, push-button modules or unlit installation buttons
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- Mounting on DIN rail according to EN 60715 in distribution box
- It is not possible to operate the device with universal amplifiers in conjunction with electronic transformers! Please use TRONIC amplifiers for power extension when operating electronic transformers.

Product characteristics

- The dimming station can be controlled using the button panel
- Activation of status LEDs on the control units. The dimming station has the activation outputs A1'...A4' for this purpose.
- Electronic short-circuit protection with permanent switch-off after 7 seconds at the latest
- Electronic over-temperature protection
- Integrated memory function for each channel (storing of switch-on brightness value)
- Switch-on brightness can be saved permanently
- Switch-on via bulb-preserving soft start
- Switching off by dim-down function
- Increase in output power possible through parallel switching of multiple outputs
- Power extension possible by means of amplifiers (ref.-no. ULZ 1755 REG)
- Special connection for hotel card switch
- Central switching function All On, All Off
- Parallel connection of two dimming stations or one dimming and one relay station
- Automatic setting of the dimming principle suitable for the load
- Optional accessory: compensation module LED, ref.-no.: KM LED 230 U

Function hotel card switch

In combination with a hotel card switch (ref.-no.: .. CARD ..): When plugging in the hotel card the light will be switched on with the stored brightness level. After removing the hotel card the light remains on and can be controlled for 1 more minute. After the elapsed time the light dims down (within an adjustable time of 30 seconds to 3 minutes) to minimum brightness and then switches off. The dimming station can be controlled again after plugging in the hotel card.

Technical data

Rated voltage:	AC 230 ... 240 V ~
Power loss:	max. 20 W
Mains frequency:	50/60 Hz

Stand-by power:	max. 2 W
Terminals -, +	
Control voltage:	DC 24 V SELV
Current carrying capacity:	80 mA
Length of control cable:	max. 100 m
Number of control units	
Sensor module (ref.-no. SM 1608):	max. 4 (also when relay/dimming stations are connected in parallel)
Push-button module (ref.-no. 4008 TSM):	max. 4 (also when relay/dimming stations are connected in parallel)
Push-button module 24 V AC/DC (1-way NO contact):	depending on push-button module, consider current consumption
Switching inputs E1ON/OFF ... E4ON/OFF	
Control voltage:	DC 24 V SELV
Resistance Ri:	200 kΩ
Activation outputs A1' ... A4'	
Control voltage:	DC 24 V SELV
Current carrying capacity:	10 mA
Resistance Ra:	330 Ω
Mains / load outputs / key card switch	
Connection mode:	screw terminals
single wire:	1 x 1.5 ... 4 mm ²
stranded without ferrule:	1 x 0.75 ... 4 mm ²
stranded with ferrule:	1 x 0.5 ... 2.5 mm ²
Connection of switching inputs, activation outputs and control units	
Connection mode:	screw terminals
single wire:	1.5 mm ²
stranded without ferrule:	1 mm ²
stranded with ferrule:	0.75 mm ²
Load outputs A1 ... A4	
Contact type:	
Length of output cable per channel:	max. 100 m
Connected load per channel	
Incandescent lamps:	20 ... 150 W
HV halogen lamps:	20 ... 150 W
Electronic transformers:	20 ... 150 W
Inductive transformers:	20 ... 150 VA
Dimmable HV LED lamps:	typical 3 ... 30 W
Dimmable compact fluorescent lamps:	typical 3 ... 30 W
Ohmic-capacitive:	20 ... 150 W
Ohmic-inductive:	20 ... 150 VA
Capacitive-inductive:	not permitted
Reduction of load for every 5 °C exceeding 45 °C:	-15 %
Max. load for outputs connected in parallel is limited to 80 %.	
Mounting width:	144 mm (8 rail units)

