KNX LED universal dimming actuator, 4-gang, rail mounting device, 4 rail units, Secure



Reference number:	39004 1S R
EAN/GTIN:	4011377179103

4 x 225 W, HV LED lamps typ. 4 x 1 ... 35 W (leading edge phase control), 4 x 1 ... 200 W (trailing edge phase control)
1 x 855 W
rail mounting device, 4 rail units
with manual electronic operation and LED status indication
project design and commissioning with ETS5 or a more recent version
ETS product family: Illumination
Product type: Dimmer

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
- Mounting on DIN rail according to EN 60715 in distribution box

Product characteristics
- Outputs can be operated manually, construction site mode
- Feedback in manual operation and in bus operation
- Disabling of individual outputs manually or via bus
- Status feedback
- KNX Data Secure compatible with ETS 5.7.3 or higher
- Can be updated with the ETS Service App

Dimming operation characteristic
- Automatic or manual setting of the dimming principle suitable for the load
- Protected against no-load, short-circuit and overheating
- Signal in the event of a short-circuit, power failure and overload
- Feedback of the switching position and the dimming value
- Parameterisable switch-on and dimming behaviour
- Time functions: switch-on delay, switch-off delay, staircase lighting timer with switch-off warning
- Light scene operation
- Status indication of the outputs via LED
- Operating hours counter
- Power failure longer than approx. 5 seconds causes the dimming outputs to switch off. Depending on the parameter setting, the connected load is calibrated after voltage return.
- Increase in output power possible through parallel switching of multiple outputs
- Power extension possible by means of amplifiers (ref.-no. ULZ 1755 REG)
- Optional accessory: compensation module LED, ref.-no.: KM LED 230 U

Logic function characteristics

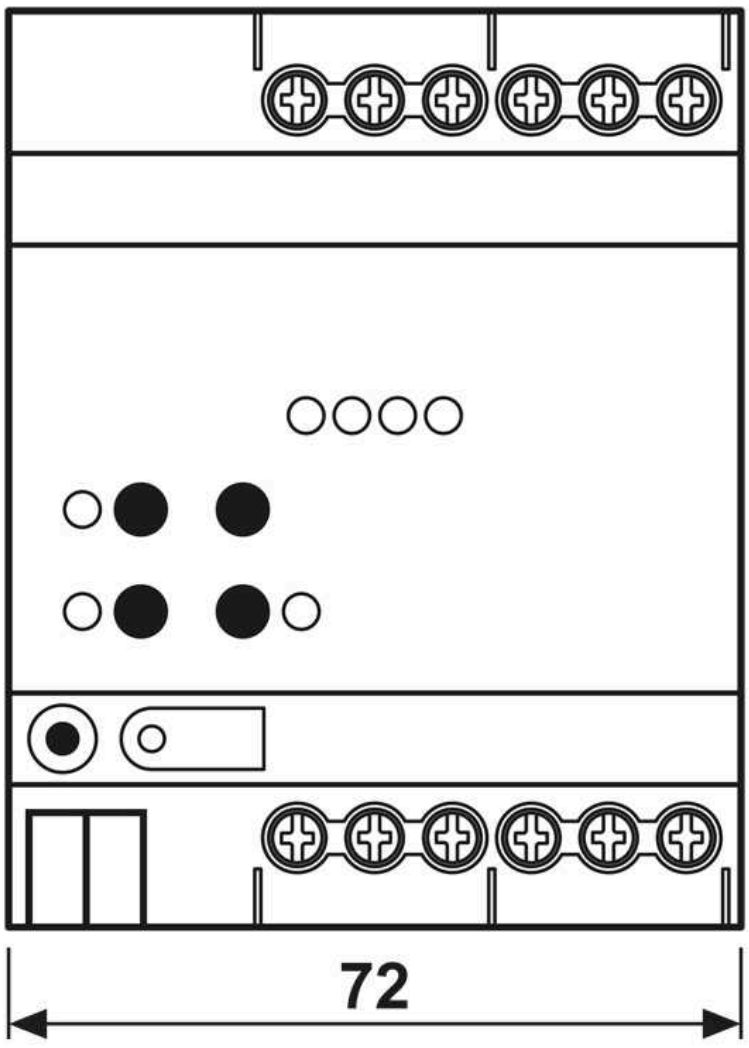
- Logic gates
- Transformer (conversion)
- Disabling element
- Comparator
- Limit value switch

Technical data

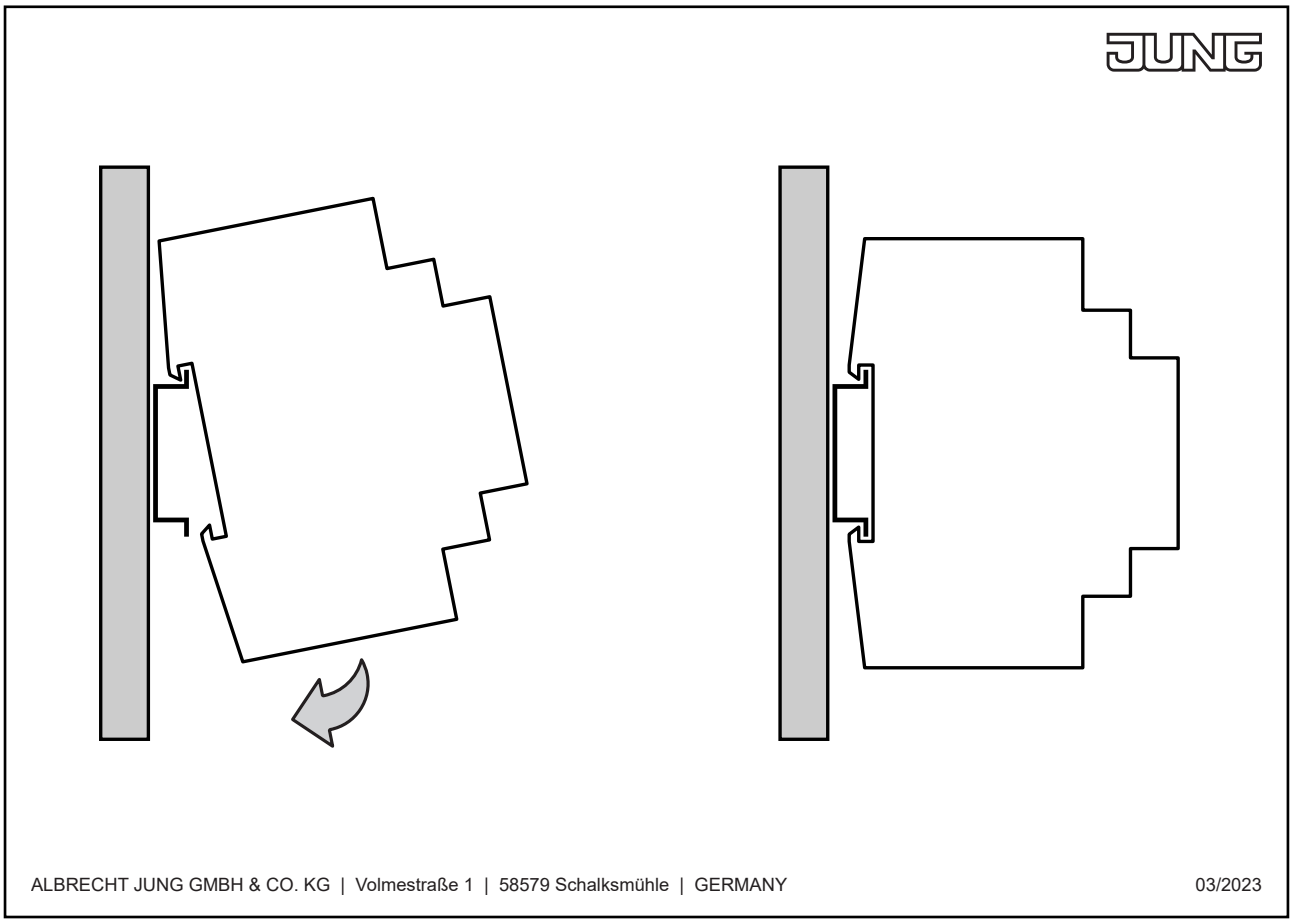
Rated voltage:	AC 110 ... 230 V ~
Mains frequency:	50/60 Hz
Power loss:	max. 7 W
Stand-by power:	approx. 0.16 W per channel
Ambient temperature:	-5 ... +45 °C
Storage/transport temperature:	-25 ... +70 °C
Operating modes "universal", "leading edge phase control", "LED leading edge phase control"	
Connected load, 230 V per output	
Incandescent lamps:	20 ... 225 W
HV halogen lamps:	20 ... 225 W
If the operating mode for incandescent and HV halogen lamps is set to "leading edge phase control" or "LED leading edge phase control", the maximum connected load falls to 20 ... 210 W.	
Inductive transformers:	20 ... 210 VA
Inductive transformers with LV LED:	20 ... 100 VA
Electronic transformers:	20 ... 210 W
Electronic transformers with LV LED:	20 ... 100 W
Dimmable HV LED lamps:	typical 1 ... 35 W
Dimmable compact fluorescent lamps:	typical 20 ... 80 W
Mixed load types	
Capacitive-inductive:	not permitted
If the rated voltage is reduced to 110 V, the lamp loads are reduced to 50 %.	
Operating modes "trailing edge phase control", "LED trailing edge phase control"	
Connected load, 230 V per output	
Incandescent lamps:	20 ... 225 W
HV halogen lamps:	20 ... 225 W
Electronic transformers:	20 ... 225 W
Electronic transformers with LV LED:	20 ... 200 W
Dimmable HV LED lamps:	typical 1 ... 200 W
Dimmable compact fluorescent lamps:	typical 20 ... 150 W
If the rated voltage is reduced to 110 V, the lamp loads are reduced to 50 %.	
Mounting width:	72 mm (4 rail units)
KNX	

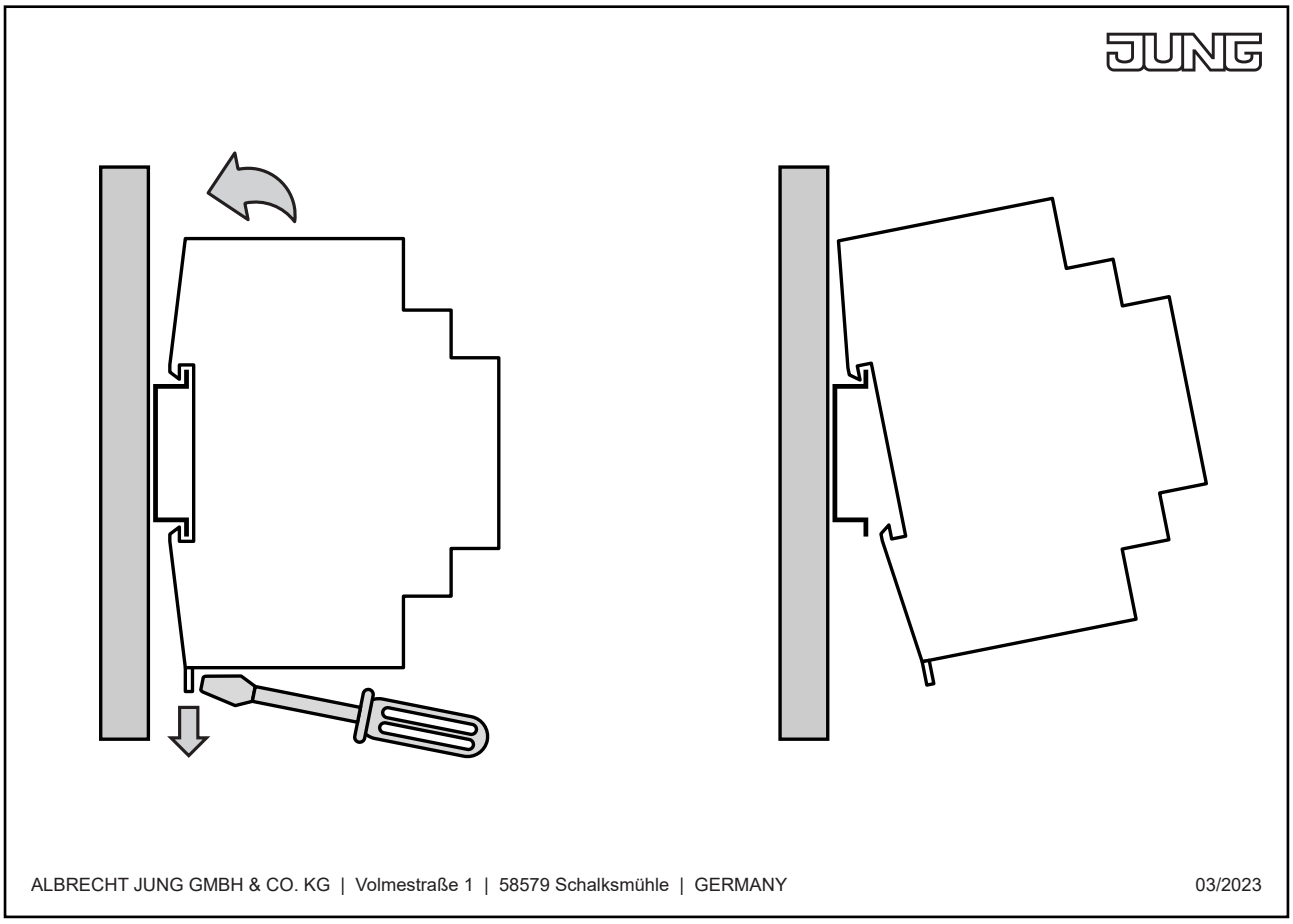
KNX medium:	TP 256
Commissioning mode:	S-mode
Rated voltage KNX:	DC 21 ... 32 V SELV
Current consumption KNX:	15 mA
Connection	
Connection mode:	connection terminal
single wire:	1 x 0.5 ... 4 mm²
stranded without ferrule:	1 x 0.5 ... 4 mm²
stranded with ferrule:	1 x 0.5 ... 2.5 mm²

Dimensions



Assembly


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