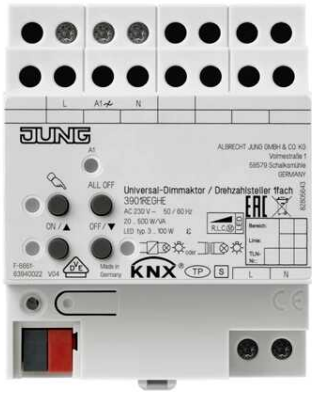
KNX LED universal dimming actuator / speed regulator, 1-gang, rail mounting device, 4 rail units



Reference number:	3901 REGHE
EAN/GTIN:	4011377117006

1 x 500 W, HV LED lamps typ. 3 ... 100 W
rail mounting device, 4 rail units
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
- Speed controller for regulating the speed of single-phase motors e.g. induction motors or shaded pole motors
- Mounting on DIN rail according to EN 60715 in distribution box

Product characteristics

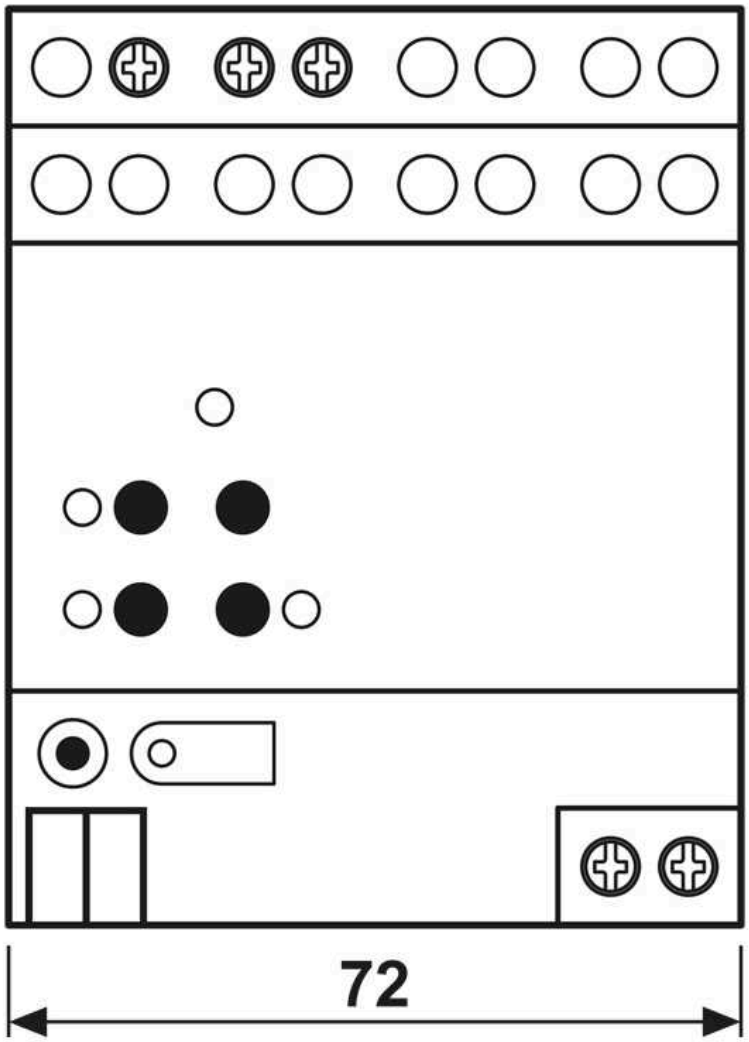
- Automatic or manual setting of the dimming principle suitable for the load
- Protected against no-load, short-circuit and overheating
- Signal in the event of a short-circuit
- Outputs can be operated manually
- Feedback of the switching position and the dimming value
- Parameterisable switch-on and dimming behaviour
- Time functions: switch-on delay, switch-off delay, staircase lighting timer with switch-off warning
- Light scene operation
- Disabling of individual outputs manually or via bus
- 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.
- Power extension possible by means of amplifiers (ref.-no. ULZ 1755 REG)
- Optional accessory: compensation module LED, ref.-no.: KM LED 230 U

Technical data

KNX medium:	TP 256
Rated voltage:	AC 110 ... 230 V ~, 50/60 Hz
Power loss:	max. 4 W

Stand-by power:	max. 0.5 W
Ambient temperature:	-5 ... +45 °C
Storage/transport temperature:	-25 ... +70 °C
Contact type:	, MOSFET
Motor loads	
Motor switching current:	2.3 A
Lamp loads **Connected load, 230 V per output**	
Incandescent lamps:	20 ... 500 W
HV halogen lamps:	20 ... 500 W
Inductive transformers:	20 ... 500 VA
Inductive transformers with LV LED:	20 ... 100 VA
Electronic transformers:	20 ... 500 W
Electronic transformers with LV LED:	20 ... 100 W
Dimmable HV LED lamps:	typical 3 ... 100 W
Dimmable compact fluorescent lamps:	typical 3 ... 100 W
With setting "LED trailing edge phase control" the max. connection power for HV LED lamps and electronic transformers with LV LED doubles.	
Ohmic-inductive:	20 ... 250 VA
Ohmic-capacitive:	20 ... 250 W
Capacitive-inductive:	not permitted
Connected load, 110 V per output	
Incandescent lamps:	20 ... 250 W
HV halogen lamps:	20 ... 250 W
Inductive transformers:	20 ... 250 VA
Inductive transformers with LV LED:	20 ... 50 VA
Electronic transformers:	20 ... 250 W
Electronic transformers with LV LED:	20 ... 50 VA
Dimmable HV LED lamps:	typical 3 ... 50 W
Dimmable compact fluorescent lamps:	typical 3 ... 50 W
Connection	
Connection mode:	screw terminals
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
Mounting width:	72 mm (4 rail units)
Approvals:	VDE

Dimensions



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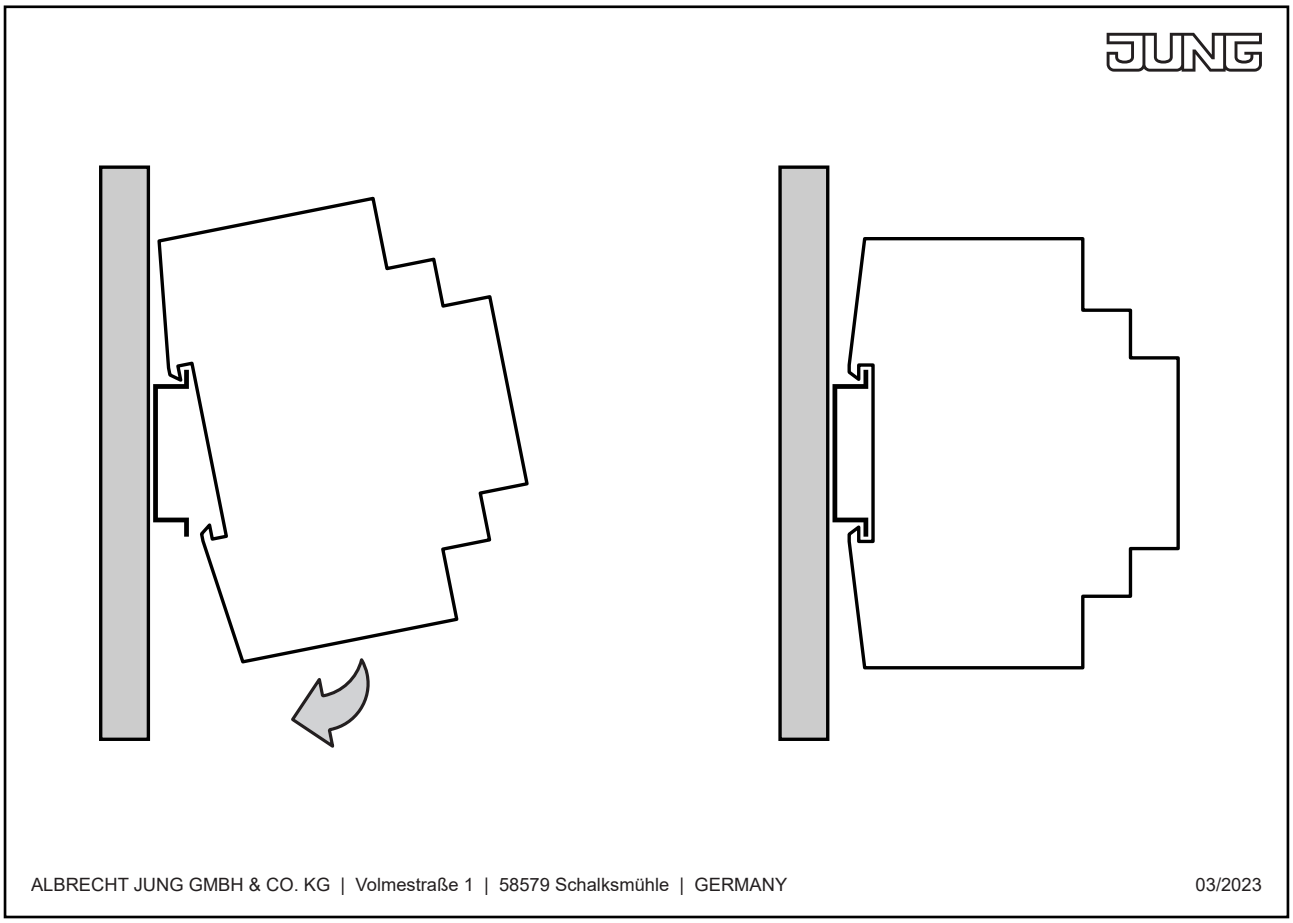
Assembly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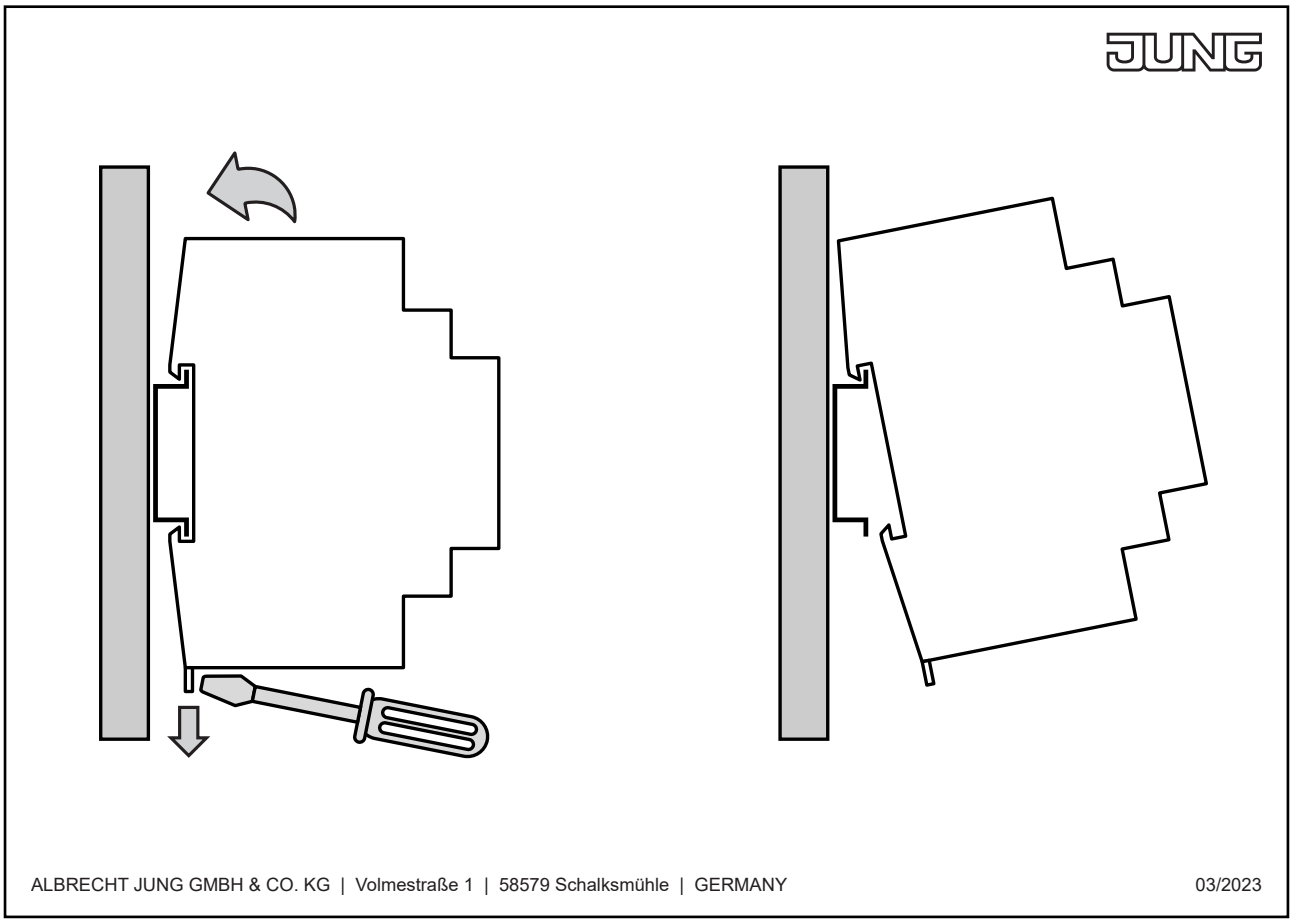
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