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Dimming actuator, 1-gang for KNX 20 – 500 W/VA



Specification	Order No.	Packing unit	PS	EAN
 DRA	2171 00	1		4010337082200

Features

- Dim actuator with integrated bus coupler.
- Switching and dimming of light bulbs, HV halogen lamps, dimmable HV-LED lamps, dimmable compact fluorescent lamps, dimmable inductive transformers with LV halogen or NV-LED lamps, dimmable electronic transformers with LV halogen or NV-LED lamps.
- Automatic or manual selection of dimming principle according to load.
- Idle-state, short-circuit, and excess temperature-proof.
- Manual operation of the outputs independent of the bus (building site operation also possible).
- The dimming actuator, 1-gang can also be used as speed regulators for speed control of single-phase electric motors.
- Building site operation: Outputs can be operated manually without bus voltage with operating voltage only.

Functions

- Independent control of the dimming channels.
- For building site operation, outputs can be operated manually without bus voltage with operating voltage only.
- Central switching function for control of all dimming channels.
- Delay for actively transmitted feedback messages following bus voltage recovery.
- The load type can be specified and the dimming principle defined: Universal (with automatic calibration procedure), electronic transformer/ LV LED (capacitive/phase cut), conventional transformer/LV LED (inductive/phase cut), HV LED (phase cut) or HV LED (phase cut).
- Feedback for "switching" and "brightness value".
- Dimmable brightness range can be set.
- Dimming behaviour and dimming characteristics can be parameterised.
- Switch-on behaviour for a relative dimming command can be parameterised.
- Bulb-saving switch-on and switch-off
- Automatic setting and scaling of the dimmable brightness range when using universal power boosters.
- The performance of a dimming channel in the "OFF" state during reception of a relative dimming command can be parameterised (switching and dimming or no response).
- Alarm telegrams for short circuit, overload, and load failure.
- Feedback of connected load type.
- Block function or forced setting function can be parameterised for each output.
- Time functions (switch-on or switch-off delay, staircase light function).
- Staircase light function with advance warning function via time-controlled reduction of lighting or activation of permanent lighting.
- Linking function and up to eight scenes per dimming channel possible.
- Elapsed-hours meter for recording switch-on time.
- Reactions after bus voltage failure and recovery can be set.

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Technical data

KNX medium:	TP256
Rated voltage:	AC 110 to 230 V, 50/60 Hz
Connected load (AC 230 V)	
- Light bulbs:	20 to 500 W
- HV halogen lamps:	20 to 500 W
- Wound electronic transformer:	20 to 500 VA
- Tronic transformer:	20 to 500 W
- Wound transformer with NV-LED:	20 to 100 VA
- electronic transformer with NV-LED:	typically 20 to 100 W
- HV LED lamps:	typically 3 to 100 W
- Compact fluorescent lamp:	typically 3 to 100 W
Connected load (AC 110 V)	
- Light bulbs:	20 to 250 W
- HV halogen lamps:	20 to 250 W
- Wound electronic transformer:	20 to 250 VA
- Tronic transformer:	20 to 250 W
- Wound transformer with NV-LED:	20 to 50 VA
- electronic transformer with NV-LED:	typically 20 to 50 W
- HV LED lamps:	typically 3 to 50 W
- Compact fluorescent lamp:	typically 3 to 50 W
Switching current for motors:	2.3 A
Connections	
- KNX:	Connection and junction terminal
- Load:	Screw terminals
Connection cross section:	Max. 4 mm²

Notes

- Power expansion using Gira power boosts.
- Installation on DIN top-hat rail.
- VDE approval in accordance with EN 60669-1, EN 60669-2-1.

Scope of supply

- Connection and junction terminal for KNX included with delivery.

Dimensions

Modular width (MW):	4