


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



| Specification | Order No. | Packing unit | PS | EAN |
|---|-----------|--------------|----|---------------|
|  DRA plus | 2171 00 | 1 | 26 | 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 actuation of the outputs independent of the bus (building site operation also possible).
- The dimming actuator, 1-gang can also be used as speed regulator 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.
- Load type and dimming method can be configured: 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/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 operating time meter for recording switch-on time.

- Reactions after bus voltage failure and recovery can be set.

Technical data

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|---------------------------------------|----------------------------------|
| 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 transformer: | 20 to 500 VA |
| - Gira 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: | typ. 3 to 100 W |
| - Compact fluorescent lamp: | typ. 3 to 100 W |
| Connected load (AC 110 V) | |
| - Light bulbs: | 20 to 250 W |
| - HV halogen lamps: | 20 to 250 W |
| - Wound transformer: | 20 to 250 VA |
| - Gira 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: | typ. 3 to 50 W |
| - Compact fluorescent lamp: | typ. 3 to 50 W |
| Switching current for motors: | 2.3 A |
| Connections | |
| - KNX: | Connection and junction terminal |
| - Load: | Screw terminals |
| Connections: | max. 4 mm ² |

Notes

- Power extension using Gira power boosters.
 - Installation on DIN top-hat rail.
 - VDE approval in accordance with EN 60669-1, EN 60669-2-1.
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Scope of supply

- KNX connection and junction terminal included in the scope of supply.
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Dimensions

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| Modular widths (MW): | 4 |
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