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DAE-225

Dimming extension 2 channels 250W / 230VAC Datasheet

1. DESCRIPTION

The Universal KNX Actuator System is a fully modular actuator system where extension modules can be plugged-in to extend the number of channels as needed. Up to 72 channels can be combined for switching, shutter or blind, heating, dimming, analog 0-10V or LED drivers with various size and power.

Up to 8 extension modules can be added to the master actuator. Depending on the extension type, you can drive **up to 72 outputs** with the actuator system using a **single KNX interface**.

The DAE-225 extension module has 2 channels (A and B) to dim 230V AC electric loads. Each channel can be configured in leading or trailing edge to support the usual loads and is optimized for dimmable LED lamps from 2W. The parallel operation of two channels allows dimming of loads up to 500W (LED lights up to 400W).

Extension modules are mounted on the right side of the master actuator, on the same DIN-rail using the provided side connector.

In ETS, select the following extension type:

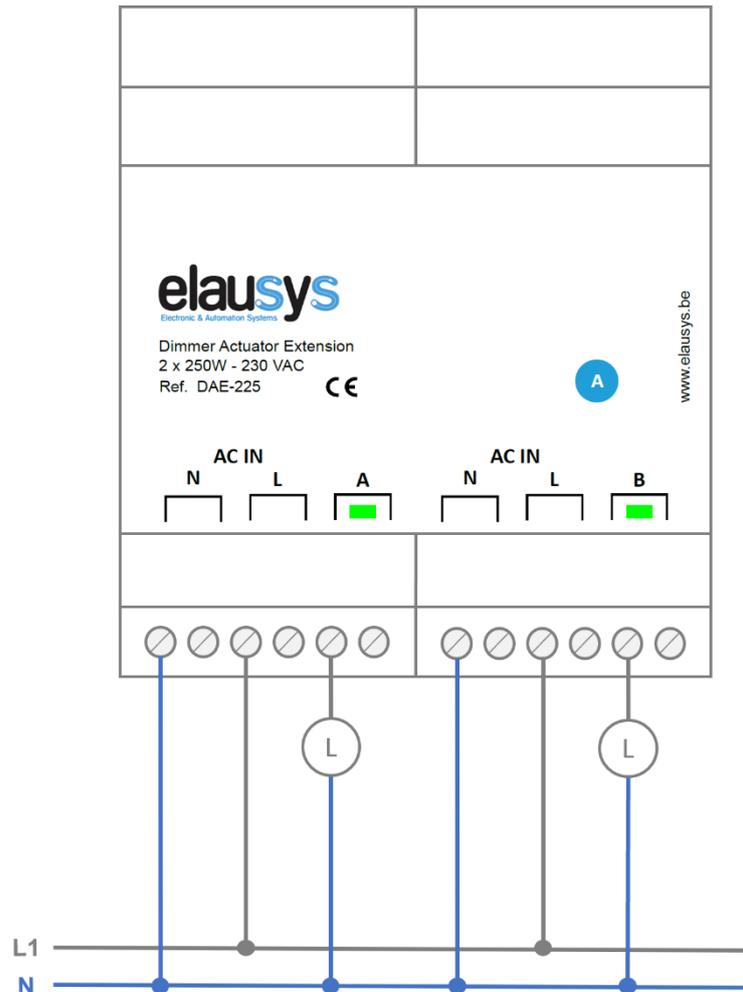
Dimming Actuator 2-fold

See MSA-810 User Manual for detailed features of each channel for this type of extension.

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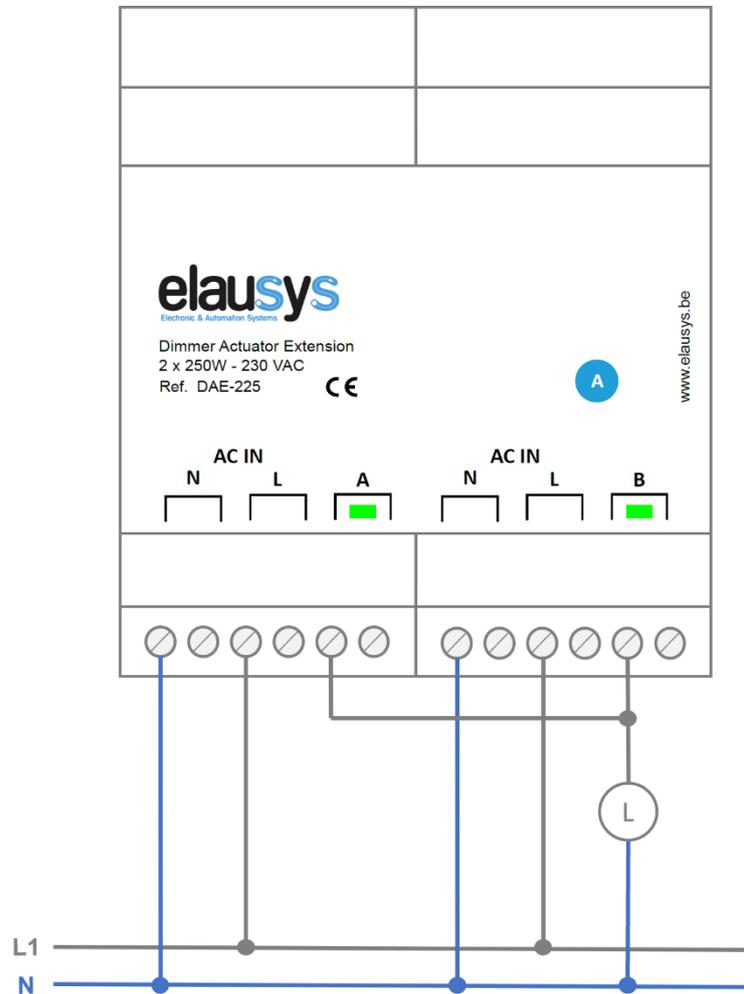
2. CONNECTION

Each channel has two screw terminals to facilitate the connection of multiple wires. The main voltage phase and neutral must be connected for each channel. Each load is connected between the module output and the neutral of the power supply. See below the example of two loads connected to channel A and B.



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Both channels can be used in parallel to drive a single load up to 500W. See below the example of a single load connected to channel A and B.



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3. TECHNICAL DATA

DESCRIPTION	VALUES
Power supply	Internally from master actuator
Operating temperature	0 to + 45°C
Enclosure	IP20
Dimensions (Space Units)	4SU
Outputs	2
Output rated voltage	230 VAC
Max load for halogen lamps	250W
Max load for universal lamps and wound transformers	200W
Rated resistive load	0.5 A
Max. electrothermic valves	230VAC: 4 on each channel 24VAC: 3 on each channel
Screw terminal section	2,5mm ²
Torque screw terminal	0,5Nm
Max. extension modules	8
Max. number of channels	72
Available application software	ETS4 (limited functions) / ETS5 (full functions)