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# LAE-802

## LED Actuator Extension 8 channels 2A 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 LAE-802 extension module has 8 channels (A to H) to control 12-24 VDC LEDs. Each channel can be configured individually as a dimmer or grouped in two RGB or RGBW channels.

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:

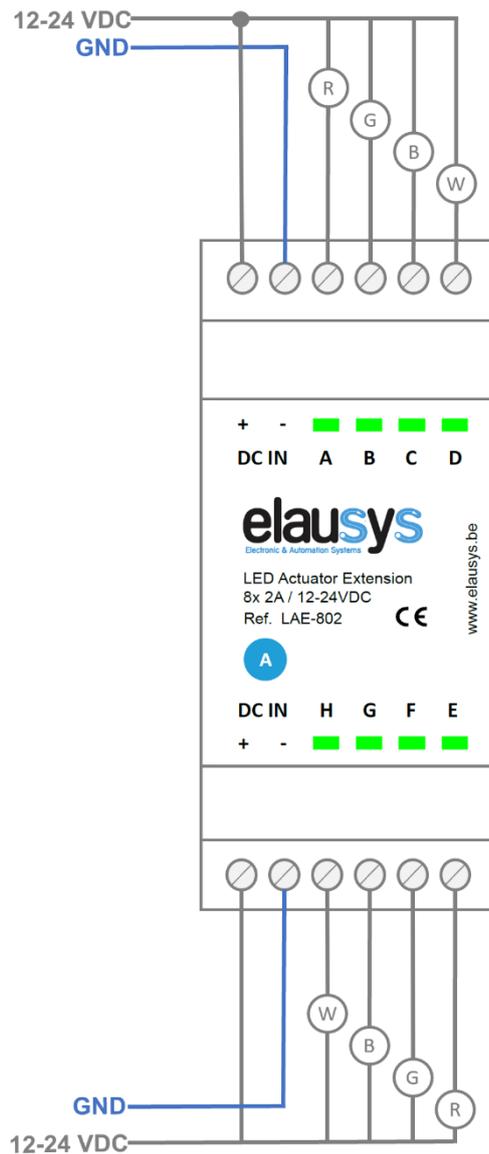
#### **LED Actuator 8-fold**

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

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## 2. CONNECTION

The external power supply must be connected to the DC IN terminals (+ / -). The power supply is common for a group of 4 channels, on the top side the DC IN is used for channels A to D, on the bottom side the DC IN is used for channels E-H. The LED load is connected between the module output and the positive of the power supply (12-24 VDC). See below the example of 8 loads connected on channels A to H.



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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)	2SU
Outputs	8
Output rated voltage	12-24 VDC
Rated load	2A/Channel
Max cable lenght	< 30m
Screw terminal section	2,5mm <sup>2</sup>
Torque screw terminal	0,5Nm
Max. extension modules	8
Max. number of channels	72
Available application software	ETS4 (limited functions) / ETS5 (full functions)