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HAE-805

Heating extension 8 channels 24/230VAC 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 HAE-805 extension module has 8 channels (A to H) to drive 24/230V AC electrothermic valves. Each channel can be configured as an ON/OFF valve actuator, temperature controller, PWM output or limit values output. Controllable with 1Bit (Switching/PWM) / 1Byte actuating variable or direct control with temperature value. There is a short circuit detection and detection of 230VAC mains voltage failure.

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:

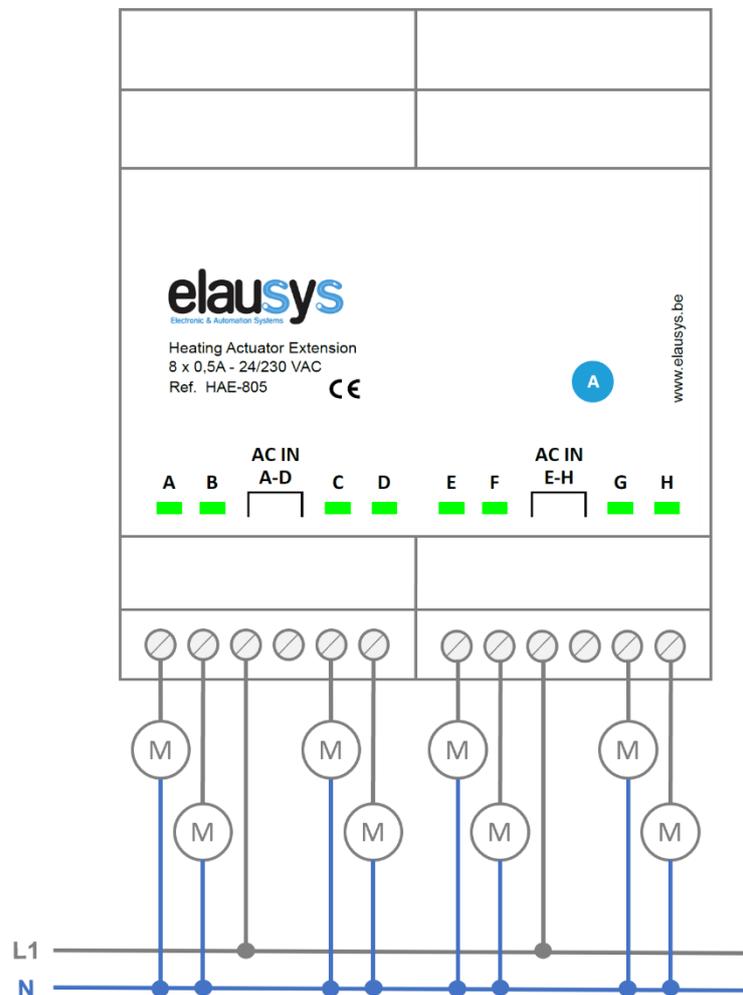
Heating Actuator 8-fold

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

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2. CONNECTION

The channels power supply is common for a group of 4 channels. The main phase of the external power supply must be connected to one of the two AC IN (A-D) terminals to supply channels A to D and to one of the two AC IN (E-H) terminals to supply channels E to H. Each load is connected between the module output and the neutral of the power supply. See below the example of eight valves connected to channel A to H. When using 230V AC power supply, the module provides main voltage failure detection, to allow this detection to work, a load must be connected to the first channel of each group of 4 channels (on channel A and E).



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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	8
Output rated voltage	24-230 VAC
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)