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DOE-825

Digital Outputs Extension 8 x 0,25A 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 are able to drive **up to 72 outputs** with the actuator system using a **single KNX interface**.

The DOE-825 extension module has 8 channels (A to H) to drive 12-30 V DC electrical loads up to 0.25A. Each channel can be configured as a switching actuator, temperature controller or a shutter actuator. The digital outputs are specially used to drive valves, external relays or contactors for higher loads.

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:

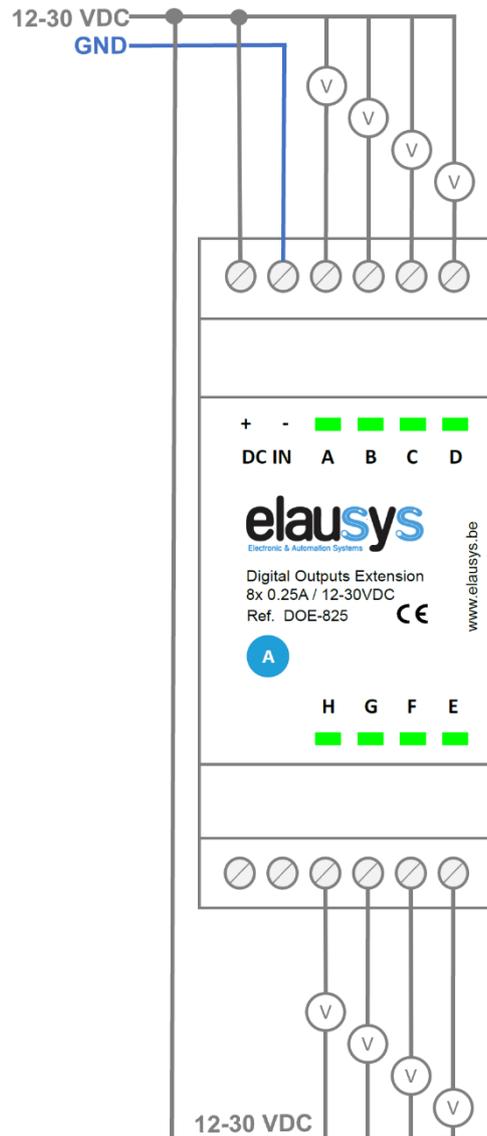
Switch Actuator 8-fold

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 (+ / -). Each load is connected between the positive voltage and the module output. See below the example of eight valves connected to channel 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
Digital outputs	8
Output rated voltage	12-30 VDC
Rated resistive load	0.25 A
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)