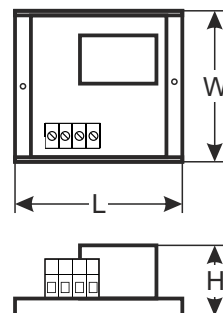


CODE: **EN54C-LS8** v.1.0/II  
 NAME: **EN54C-LS8 sequential module for actuators with return spring**

EN



## Features:

- supply voltage 20 ÷ 30 V DC
- designed for actuators with return spring
- 8 outputs independently secured with polymer fuses
- parametric trigger input INPUT (2x4,7 kΩ)
- technical output of failure
- optical indication of failure
- dedicated to fire alarm power supplies of EN54C series
- warranty - 5 years from production date

## DESCRIPTION

The sequential module is designed for actuators with return spring used for fire dampers and smoke vents. These devices are used in fire alarm systems and smoke and heat control systems.

When switching on the electric actuator, a short-term current surge, exceeding its rated current, may occur. If multiple electric actuators are connected, the above-mentioned surge current poses a risk of incorrect operation of the power supply (e.g. triggering the protection of output circuit), despite not exceeding the current capacity of the power supply.

The sequential switching module causes the receivers connected to its outputs to be sequentially switched, with a delay of 100ms. Thanks to this solution, the surge current is reduced to the value ensuring correct operation of the power supply. Thus, it enables safe connection of additional actuators. All outputs are independently protected by PTC polymer fuses and have LED diodes signaling the activation of each output.

The module is controlled by a control device (e.g. a CSP control panel) configuring the resistance at the INPUT connector. The technical output of failure indicates failures at the parametric INPUT input.

Supply voltage	20 ÷ 30 V DC
Current consumption	20 ÷ 30mA @ U <sub>IN</sub> =20 ÷ 30 V DC
Output voltage	U <sub>AUX</sub> = U <sub>IN</sub> (according to supply voltage)
Output current	8 x 0,5 A
Number of power outputs	8 (OUT1 ÷ OUT8)
Overload protection	polymer fuse
Optical signaling of operation	8x LEDs - outputs condition OUT1÷OUT8 (green LEDs) PSU - failure indication (red LED)
Control input	INPUT - parametric, 2x4,7 kΩ
PSU failure output	relay type: 1 A@ 30 V DC / 48 V AC
Operating conditions	II environmental class, -10°C ÷ +50°C
Dimensions (LxWxH)	150 x 52,5 x 27 [mm]
Net/gross weight	0,12 / 0,14 [kg]
Storage temperature	-20°C...+60°C
Additional equipment	Screws x 2

Schematic diagram of the connection of the EN54C-LS8 sequencer module with the power supply of the EN54C series.

