

CODE: **EN54-LB8** v.1.0/II  
 NAME: **EN54 LB8/0,5A/FTA Fuse module**

EN



## Features:

- supply voltage 20 ÷ 30V DC
- eight outputs independently secured with melting fuses
- technical output of the PSU operation status – OC type (open collector) and output indicating fuse activation
- optical indication of failure
- dedicated to fire alarm power supplies of EN54-4 RED POWER series
- warranty - 5 years from the production date

## DESCRIPTION

The fuse module is designed for power distribution in the power supply units of EN54 series (RED POWER). It contains two power inputs, IN1 and IN2, connecting to the power supply and eight independently secured outputs AUX1÷AUX8. The IN1 input supplies power to the AUX1...AUX4 outputs, while the IN2 input supplies power to the AUX5...AUX8 outputs. Each AUX output has short-circuit protection (SCP) in form of F 0,5A glass fuses. Outputs condition is indicated by L1÷L8 LEDs. Fuse activation is indicated by: turning off the corresponding LED: L1 for AUX1, L2 for AUX2 etc., technical output - OC (open collector) and relay type and PSU red LED. PSU technical output can be used for remote control of the parameters, e.g. external optical indication.

|   |  |
|---|--|
| Supply voltage                                | 20÷30 V DC   |
| Output voltage                                | $U_{AUX} = U_{IN}$ ( according to supply voltage )                                       |
| Current consumption                           | 43 ÷ 73mA @ $U_{in}=20 \div 30V$ DC  |
| Number of power inputs                        | 2 (IN1, IN2)   |
| Number of power outputs                       | 8 (AUX1 ÷ AUX8)  |
| Protection:<br>- Short-circuit protection SCP | 8 x F0,5A  |
| Optical signaling of operation                | L1 ÷ L8 - outputs condition AUX1÷AUX8 (green LEDs)<br>PSU - failure indication (red LED) |
| Fuses F1 ÷ F8                                 | F 0,5A   |
| Operating conditions                          | 2nd environmental class, -10°C ÷ 50°C  |
| Dimensions (LxWxH)                            | 150 x 45 x 32 [mm]   |
| Net/gross weight                              | 0,05kg / 0,1kg   |
| Storage temperature                           | -20°C...+60°C  |
| Additional equipment                          | Spacers x 6, glass fuses F0,5A x 2   |

The overview diagram of the connection between the EN54 fuse module and the PSU of the EN54 series.

