

### Features:

- supply voltage 20 ÷ 30V DC
- four 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 four independently secured outputs AUX1÷AUX4. The IN1 input supplies power to the AUX1 and AUX2 outputs, while the IN2 input supplies power to the AUX3 and AUX4 outputs. Each AUX output has short-circuit protection (SCP) in form of F 0,5A melting fuse. Outputs condition is indicated by L1÷L4 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.

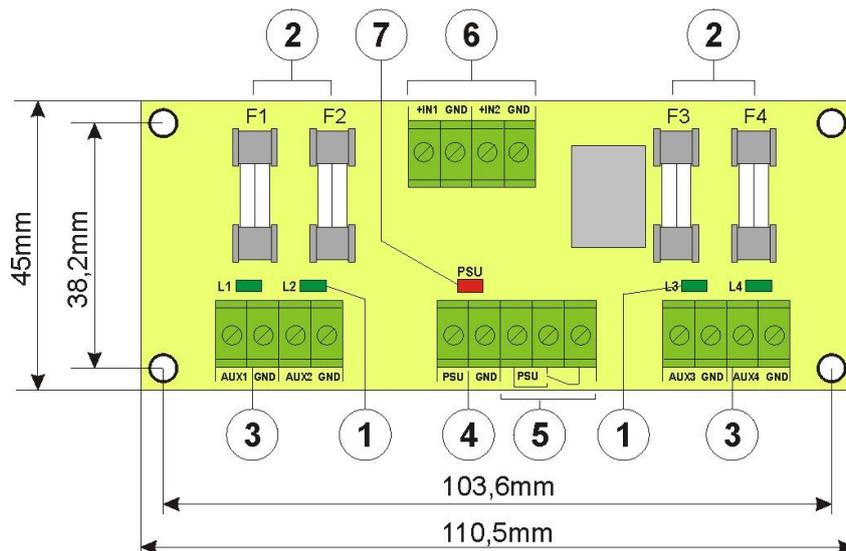


Fig.1. Module view.

**Table 1. Description of components.**

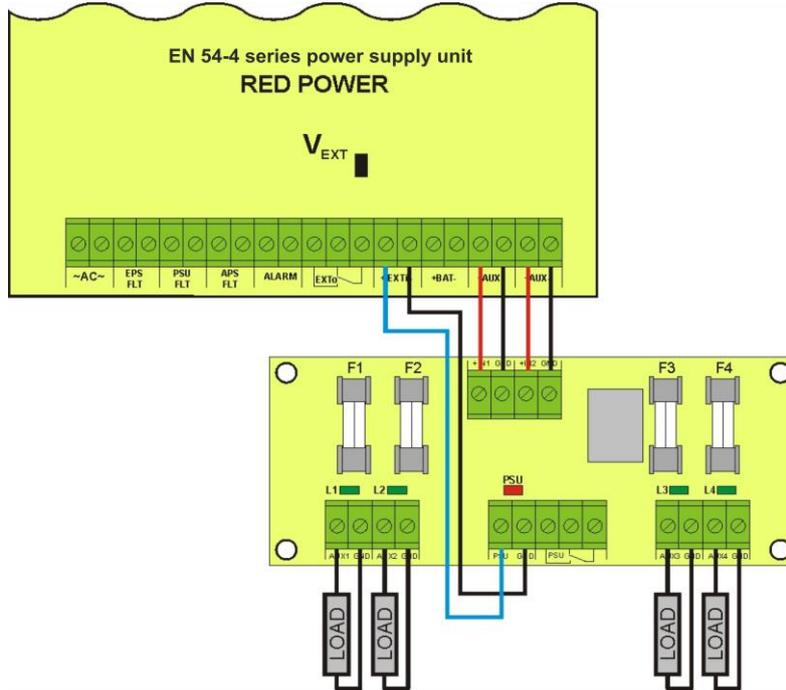
| Component No. | Description   |
|---------------|---|
| [1]           | L1 ÷ L4 green LEDs                                    |
| [2]           | F1 ÷ F4 fuses in AUX circuits (+)                     |
| [3]           | AUX1 ÷ AUX4 independently secured outputs             |
| [4]           | PSU technical output indicating PSU failure - OC type |
| [5]           | PSU technical output indicating failure               |
| [6]           | IN1, IN2 – module power supply inputs                 |
| [7]           | PSU red LED indicating failure                        |

**Installation.**

- 1) The module should be installed in the fixed section of the enclosure.
- 2) Connect AUX1 and AUX2 outputs with IN1 and IN2 inputs using the supplied cables.
- 3) Connect the collective failure input EXT IN with the PSU output and install the  $V_{EXT}$  jumper.



When installing the fuse module in the power supply unit, power supply current consumption, used for the calculation of standby time, should be considered.



**Technical parameters.**

|   |  |
|---|--|
| Supply voltage                                | 20 ÷ 30V DC  |
| Output voltage                                | $U_{AUX} = U_{IN}$ ( according to supply voltage )                                       |
| Current consumption                           | 25 ÷ 42mA @ $U_{in}=20 \div 30V$ DC  |
| Number of power inputs                        | 2 (IN1, IN2)   |
| Number of power outputs                       | 4 (AUX1 ÷ AUX4)  |
| Protection:<br>- Short-circuit protection SCP | 4 x F 0,5A   |
| Optical signaling of operation                | L1 ÷ L4 - outputs condition AUX1÷AUX4 (green LEDs)<br>PSU - failure indication (red LED) |
| Fuses F1 ÷ F4                                 | F0,5A  |
| Operating conditions                          | 2nd environmental class, -10°C ÷50°C   |
| Dimensions (LxWxH)                            | 110,5 x 45 x 32 [mm]   |
| Net/gross weight                              | 0,05kg / 0,09kg  |
| Storage temperature                           | -20°C...+60°C  |
| Additional equipment                          | Spacers x 6, glass fuses F0,5A x 2   |

**WEEE Label**

According to the European Union WEEE Directive, waste electrical and electronic equipment should be disposed of separately from normal household waste.

**Pulsar**

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