

### 1. Description.

The **LB4/4x0.5A/2.5/AW/R** fuse module is designed for power distribution in low-voltage systems requiring voltage of **10V±30V DC** or **10V±24V AC** (e.g. buffer power supply, transformer etc.). It is fitted with the IN input for power supply and 4 independently protected AUX1÷AUX4 power supply outputs. Each AUX output is equipped with short circuit protection (SCP): melting fuse F 0.5A or PTC 0.5A polymer fuse (the possibility of using 1A fuses, not supplied) as well as with overvoltage protection - varistors. Output state is indicated by 4 L1 ÷ L4 LEDs. Fuse failure is indicated by turning off the appropriate LED: L1 for AUX1, L2 for AUX2 etc. Additionally, in the case of failure, the FPS output (Hi-Z state) and the L<sub>FPS</sub> LED are switched on. The FPS output can be used for remote control of a module e.g. external optical indication. The module is adapted for connection of cables with a maximum cross section of **2,5mm<sup>2</sup>**.

### 2. Module description.

#### 2.1. Description of components and connectors of the module.

Element nr [fig. 2]	Description
[1]	L1 ÷ L4 green LEDs
[2]	F1 ÷ F4 fuses in the AUX (+) circuits
[3]	AUX1 ÷ AUX4 independently secured outputs, common terminal COM (-)
[4]	FPS failure technical output, type OC
[5]	FPS failure technical output, relay
[6]	IN, COM – module's power input
[7]	Mounting panel
[8]	L <sub>FPS</sub> (red) LED indicating failure
[9]	Jumper for fuse - glass fuse/PTC

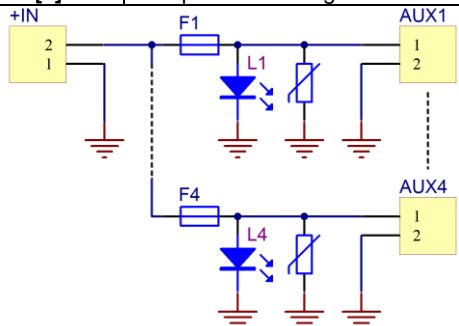


Fig.1. Electrical diagram.

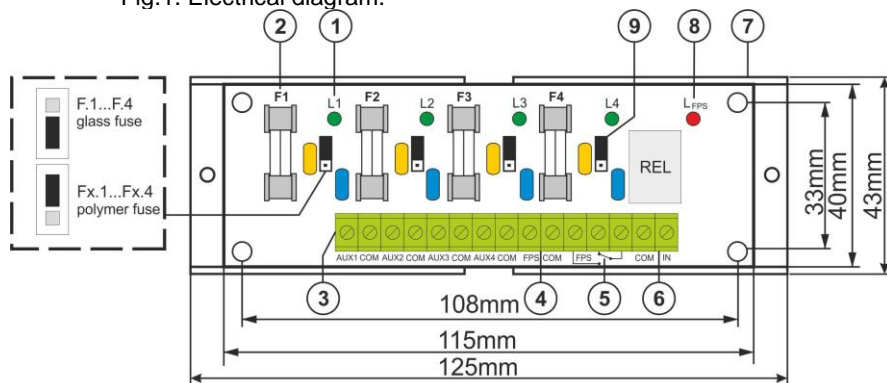


Fig.2. The view of the module.

#### 3. Specifications.

<b>Supply voltage</b>	10V±30V DC (-2%/+2%) 10V±24V AC (-2%/+2%)
<b>Output voltage</b>	$U_{AUX} = U_{IN}$ (equal to supply voltage)
<b>Current consumption</b>	15mA÷ 42mA @ $U_{in}=10 \div 30V$ DC 37mA÷ 42mA @ $U_{in}=10 \div 24V$ AC
<b>Number of power inputs</b>	1 (IN terminals) – max. <b>2,5mm<sup>2</sup></b> cable
<b>Number of power outputs</b>	4 (AUX terminals) – max. <b>2,5mm<sup>2</sup></b> cable
<b>Protections against:</b>	- 4 x F 0,5A or PTC 0,5A (the possibility of using 1A fuses, not supplied) - an overload OLP - a surge
<b>LED indication</b>	- green LED L1 ÷ L4 – status of the AUX1÷AUX4 outputs - red LED L <sub>FPS</sub> – indicates failure
<b>F1 ÷ F4 fuses</b>	F 0,5A or PTC 0,5A
<b>Operating conditions</b>	II environmental class, -10°C ÷ 50°C
<b>Dimensions</b>	L=125, W=43, H=32 (+/-2mm)
<b>Installation</b>	A mounting panel with an adhesive tape, mounting screws x 2 (holes Ø3mm)
<b>Connectors:</b>	- power supply input/output, technical output
<b>Declarations, warranty</b>	CE, 2 year from the production date
<b>Net/gross weight</b>	0,08kg / 0,10kg

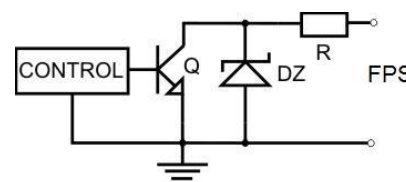


Fig.3. Electrical diagram of the OC output.



Fig. 4. Electrical diagram of the relay output

### WEEE PARKING

According to the EU WEE Directive – It is required not to dispose of electric or electronic waste as unsorted municipal waste and to collect such WEEE separately.

### Pulsar

Siedlec 150, 32-744 Łapczyca, Poland  
Tel. (+48) 14-610-19-40, Fax. (+48) 14-610-19-50  
e-mail: [biuro@pulsar.pl](mailto:biuro@pulsar.pl), [sales@pulsar.pl](mailto:sales@pulsar.pl)  
http:// [www.pulsar.pl](http://www.pulsar.pl), [www.zasilacze.pl](http://www.zasilacze.pl)