



AWZ535 v1.0 LB4/AW Fuse module 4x0.5A



Edition: 4 from 10.01.2014
Supersedes: 3 from 20.07.2012

EN

1. Description.

The fuse module is intended for dividing power in low-voltage alarm systems (power distribution). It features IN input for supply power of: **10V÷30 V DC** or **10V÷24 V AC** (e.g. buffer PSU, transformer etc.). The LB4/AW module has four power outputs AUX1÷AUX4, secured separately. Each AUX output is protected against a short circuit (SCP) with a glass fuse (F 0,5A or F 1,0A) or a polymer fuse 0,5A and against surges – via varistors. Status of the outputs is indicated by four LEDs - L1÷L4. Fuse damage is indicated by an appropriate LED going out: L1 for AUX1 etc. In case of a failure, the AW output changes its state into hi-Z and the **L_{AW}** LED is illuminated. The AW output can be used for a remote control of LB4/AW state, e.g. external optical indication.

2. Module description.

2.1. Description of components and connectors of the module.

Element no. [fig. 1]	Description
[1]	L1 ÷ L4 green LEDs
[2]	F1 ÷ F4 fuses in the AUX (+) circuits
[3]	AUX1 ÷ AUX4 independently secured outputs, common terminal COM (-)
[4]	AW failure technical output
[5]	Screw connector – module's power input
[6]	Mounting panel
[7]	L _{AW} (red) LED indicating failure
[8]	Jumper for fuse - glass fuse/PTC

3. Specifications.

Supply voltage	10V÷30 V DC (-2%/+2%) 10V÷24 V AC (-2%/+2%)
Output voltage	U _{AUX} = U _{IN} (equal to supply voltage)
Current consumption	6mA÷41mA @ U _{in} =10 ÷ 30 V DC 10mA÷32 mA @ U _{in} =10 ÷ 24 V AC
Number of power inputs	1 (a screw connector)
Number of power outputs	4 (AUX terminals)
Protections against:	
- a short circuit SCP	- 4 x F 0,5A or 4x F 1,0A fuse (manual replacement of the included fuse), or PTC 0,5A.
- an overload OLP	- varistors
- a surge	
LED indication	- green LED L1 ÷ L4 – status of the AUX1÷AUX4 outputs - red LED L _{AW} – indicates failure
F1 ÷ F4 fuses	F 0,5A or F 1,0A (included) or PTC 0,5A
Operating conditions	II environmental class, -10°C ÷ 50°C
Dimensions	125 x 43 x 32 (WxHxD) [mm] (115 x 40 x 30 dimensions of the panel)
Installation	A mounting panel with an adhesive tape, mounting screws x2 (holes 3mm) or spacers x 4 (PCB fi=4,2 mm)
Connectors:	
- of power output	- screw connectors Ø0,41÷1,63 (AWG 26-14)
- of power input	- a screw connector Ø0,41÷1,63 (AWG 26-14)
Net/gross weight	0,07kg / 0,1kg
Declarations, warranty	CE, RoHS, 2 year from the production date

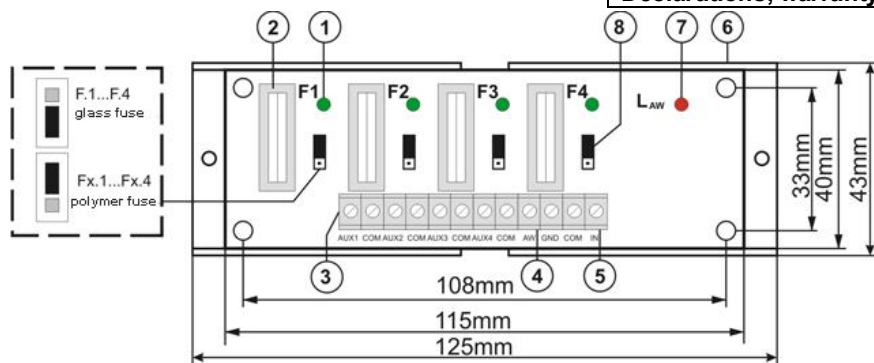


Fig.1. The view of the module.

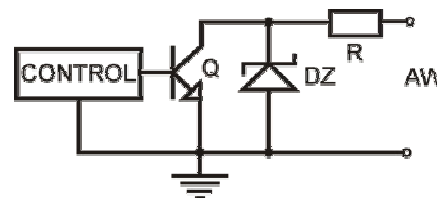


Fig.2. Electrical diagram of the OC output.

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.

WARRANTY

Pulsar K. Bogusz Sp.j. (the manufacturer) grants a two-year warranty for the equipment, counted from the device's production date.

Pulsar K.Bogusz Sp.j.

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