

1. Technical description.

The fuse module is intended for dividing power in low-voltage alarm systems (power distribution) that require voltage within the range of: **10 V ÷ 30 V DC**. It contains two power inputs: a screw connector and a DC 5,5/2,1 outlet and four power outputs AUX1÷AUX4 which are independently secured with 0,5A(0,3A/1A) glass fuses. An activation of the PTC fuse is indicated by an appropriate LED going out: L1 for AUX1, L2 for AUX2 etc. Additionally, each output is secured by a varistor which protects the PSU and the receivers against surges in the power circuit.

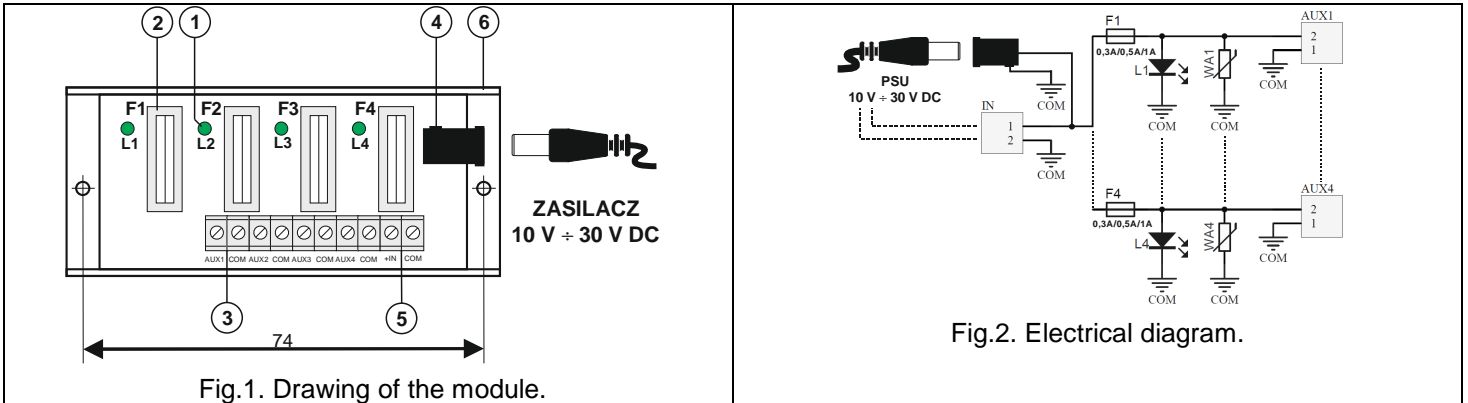


Table 1. Description of components and connectors of the PSU.

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]	DC 5,5/2,1 outlet – module's power input
[5]	Screw connector – module's power input
[6]	Mounting strip

Table 2. Specifications.

Supply voltage	10 V ÷ 30 V DC
Output voltage	$U_{AUX} = U_{IN}$ (equal to supply voltage)
Current consumption	5 mA ÷ 30 mA @ $U_{IN} = 10 V ÷ 30 V DC$
Number of power inputs	2: a DC 5,5/2,1 outlet or a screw connector
Number of power outputs	4 (AUX terminals)
Protections against:	
- a short circuit SCP	- 4 x F 0,5A (4x0,3A or 4x1A additional fuse kit)
- an overload OLP	- 4 x F 0,5A (4x0,3A or 4x1A additional fuse kit)
- a surge	- varistors
LED indication	Green LEDs L1 ÷ L4 – outputs status AUX1÷AUX4
F1 ÷ F4 fuses	4 x F0,5A (4x0,3A or 4x1A additional fuse kit)
Operating conditions	II environmental class, -10°C ÷ 50°C
Dimensions	80 x 43 x 21 (WxHxD)
Fixing	a mounting tape or dowel pins x2 (holes Ø3mm)
Connectors:	
- of power output	- screw connectors $\Phi 0,41 \div 1,63$ (AWG 26-14)
- of power input	- a DC 5,5/2,1 outlet or a screw connector $\Phi 0,41 \div 1,63$ (AWG 26-14)
Net/gross weight	0,055kg / 0,072kg

WEEE MARKING

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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