RLB16
v1.0
RACK 16x1A fuse strip

Edition: 2 from 13.05.2020
Supersedes edition: 1 from 06.12.2016 **EN**

1. Technical description.

The **RLB16** fuse strip is designed for power distribution in low-voltage systems requiring voltage in the range **10 V ÷ 56 V DC** (e.g. RACK uninterruptible power supply of the ROUPS series, etc.). It is fitted with the DC INPUT for power supply and 16 independently protected outputs AUX1 ÷ AUX16. Each AUX output is equipped with short-circuit protection (SCP), in the form of a F 1 A fuse. Output state is indicated by L1 ÷ L16 LEDs. Fuse failure is indicated by switching off the appropriate LED: L1 for AUX1, etc. Additionally, in the case of failure, the **ALARM** relay output and the **ALARM** LED are activated. The **ALARM** output can be used for remote control of the module, e.g. external optical indication. The fuse strip is located in an enclosure adapted for mounting in **RACK** standard 19" cabinets.

2. Description of the fuse strip.

2.1. Description of components and connectors of the fuse strip.

Element no. [fig. 2]	Description
[1]	**L1 ÷ L16** green LEDs
[2]	**F1 ÷ F16** fuses in the AUX (+) circuits
[3]	**AUX1 ÷ AUX16** independently secured outputs, common terminal COM (-)
[4]	**ALARM** failure technical output, relay
[5]	**DC INPUT** – the fuse strip's power supply input
[6]	**ALARM** (red) LED indicating failure

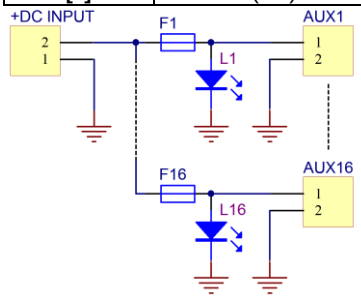

Fig. 1. Electrical diagram.

3. Specifications.

Supply voltage	10 V÷56 V DC (-2%/+2%)
Output voltage	$U_{AUX} = U_{IN}$ (equal to supply voltage)
Current consumption	30mA÷ 75mA @ Uin=10 ÷ 56 V DC
Number of power inputs	1 (DC INPUT terminals) – cable **4 mm²** max. The set includes 2.5mm²,15cm power cords
Number of power outputs	16 (AUX terminals) –**2,5mm²** max. cable
Protections against: **- a short circuit SCP** **- an overload OLP**	 - 16 x F 1 A glass fuse - 16 x F 1 A glass fuse
Technical output of failure ALARM	relay type: 1 A@ 30 V DC/50 V AC
LED indication	- Green LEDs **L1 ÷ L16** – outputs status AUX1÷AUX16 - red LED **ALARM** indicates failure
F1 ÷ F16 fuses	F 1 A
Operating conditions	II environmental class, -10°C ÷ 45°C
Dimensions	W=19", H=2U; 482 x 88 x 74 mm (WxHxD)
Fixing	four-point fixing on the front RACK rails - 4 M6 screws with cage nuts included
Connectors: **- of power input** **- of power output** **- technical output**	 Φ0,51÷2,05 (AWG 24-10) 0,2 ÷ 4mm² Φ0,51÷2,05 (AWG 24-12) 0,5 ÷ 2,5mm² Φ0,51÷2,05 (AWG 24-12) 0,5 ÷ 2,5mm²
Declarations, warranty	CE, 2 year from the production date
Net/gross weight	2,1kg /2,3kg

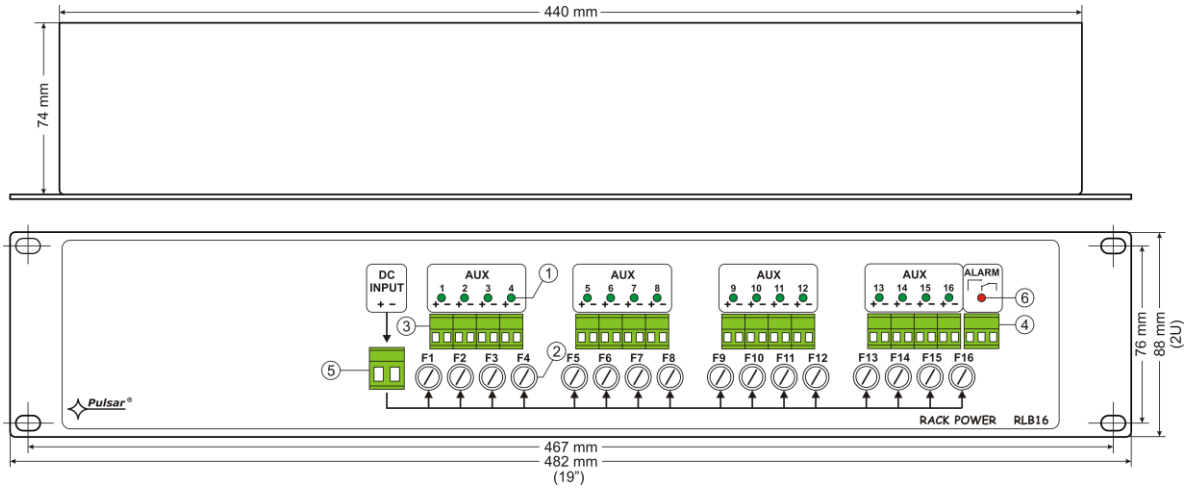

Fig. 2. The view of the fuse strip.

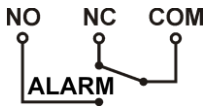

Fig. 3. Electrical diagram of the relay output.

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.

Pulsar sp. j.
Siedlec 150, 32-744 Łapczyca, Poland
Phone (+48) 14-610-19-40, Fax. (+48) 14-610-19-50
e-mail: biuro@pulsar.pl, sales@pulsar.pl
http:// www.pulsar.pl, www.zasilacze.pl