

CODE: RDS v.1.0/1
NAME: Fuse module, 8 outputs; 10–60V, RACK 19" 1U

EN



Equipment:



2x 2-pin pluggable screw terminal block (pitch 7.62 mm)



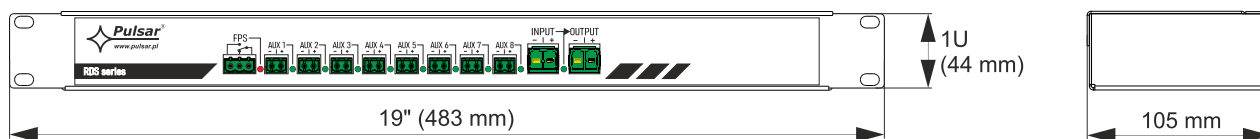
8x 2-pin pluggable screw terminal blocks (pitch 5.08 mm)



1x 3-pin pluggable screw terminal block (pitch 5.08 mm)



4x M6



Features:

- universal supply voltage range **10 – 60 V**
- high current capacity: **up to 20 A**
- 8 outputs independently protected with glass fuse
- capability to use fuses **up to 4 A**
- dedicated to **RACK** series power supplies
- LED optical indication
- **FPS** relay technical output of fuse activation indication
- power output for connecting an additional module or other devices
- warranty: 2 years

DESTINATION

The fuse module is designed for power distribution in systems based on RACK series power supplies. It features INPUT terminals for connecting the power supply, eight independently protected power outputs AUX1 – AUX8, and an OUTPUT terminal for connecting an additional fuse module or other device. Each AUX1 – AUX8 output is equipped with short-circuit protection (SCP) in the form of a F1A fuse (it is possible to use fuses up to max. F4A – not included). The total current must not exceed 20A (this applies to the sum of AUX outputs as well as the OUTPUT terminal).

The status of the outputs is indicated by LEDs located next to each output. A blown fuse is indicated by the LED of the respective output turning off, in accordance with the infographic on the front panel, as well as by a change in the state of the technical output and illumination of the FPS LED. The PSU relay output can be used for remote status monitoring, e.g. for external optical indication. The devices are assembled in metal enclosures (RAL 9005 – black) intended for installation in 19" RACK cabinets.

Input voltage	10 – 60 V DC
Output voltage	$U_{AUX} = U_{IN}$ (applying power)
Current consumption (for internal use)	25 – 45 mA @ $U_{IN} = 10 – 60$ V DC
Total output current	20 A
Number of power inputs	1
Number of power outputs	8 (AUX1 – AUX8) + 1 (OUTPUT)
Short circuit protection (SCP)	- F_{BAT} fuse (failure requires replacement of the fuse link under the device)
Optical indication	Status of AUX1+AUX8 outputs (green LEDs) FPS - failure indication (red LED)
Technical output of the PSU	Relay: 1 A @ 30 V DC / 48 V AC
F1 ÷ F8 fuse	8 x F 1A (capability to use fuses up to max. F4 A – not included)
Operating conditions	Temperature: -10°C – +40°C, Relative humidity 5% – 90%, without condensation
Protection class EN 62368-1	I (first)
Degree of protection EN 60529	IP20
Operating temperature	-10°C...+40°C
Storage temperature	-20°C...+60°C
Vibrations and impulse waves during	According to PN-83/T-42106
Wymiary obudowy	W=19", H=1U; 483 x 44 x 105 (WxHxD)
Kolor obudowy	RAL 9005 black
Waga netto/brutto	1,6 / 1,7 [kg]
Terminals:	
Power supply	$\Phi 0,5 \div 3,2$ (AWG 24-8) 0,5-4mm ²
Outputs	$\Phi 0,5 \div 3,2$ (AWG 24-8) 0,5-4mm ²
Technical outputs	$\Phi 0,5-2,1$ (AWG 24-12) 0,5-1,5mm ²
Equipment	Set of connectors (2x PC 5/2-2P, 8x 2EDGK-2P, 1x 2EDGK-3P)
Declarations, warranty	CE, 2 years

Examples of application:

