

CODE: **PSDC** v.1.0/l

EN

NAME: **Enclosed multi-output power supply units PSDC series**



Features:

- supply voltage ~200 - 240 V
- available versions with **4, 8 or 16 outputs** protected with fuses
- high efficiency (**up to 86%**)
- adjustable output voltage **12 - 15V DC**
- LED optical indication
- **FPS technical** output of fuse activation indication
- optional equipment: set of external LED indicators: PKAZ168, mounting plate DIN 4
- protections:
 - SCP short circuit protection
 - OVP overvoltage protection
 - surge protection
 - OLP overload protection
- warranty – 2 years from production date

DESCRIPTION

PSDC series stabilized power supplies are designed to supply power to HD cameras or other devices requiring stabilized voltage of 12 V DC. Output voltage is adjusted with a potentiometer within the range of 12 - 15 V DC. The PSU features 4, 8 or 16 outputs (depending on the model), protected independently by glass fuses. A failure (an overload, a short circuit) in the output circuit will result in blowing of the fuse Fn and disconnection of the corresponding AUXn output from the power supply. The power supplies are equipped with short-circuit, overload, overvoltage and overcurrent protection.

PARAMETERS OF POWER SUPPLIES:

Model	Number of outputs	Output voltage AUX	Output current max.
PSDC-12V4x1A	4	12 V (12 – 15 V)	4 A
PSDC-12V8x1A	8		7 A
PSDC-12V16x1A	16		15 A

TECHNICAL DATA	PSDC-12V4x1A	PSDC-12V8x1A	PSDC-12V16x1A
Supply voltage:	~ 200 – 240 V		
Current consumption:	0,5 A	0,8 A	1,6 A
Ripple voltage:	50mV p-p max.	50mV p-p max.	100mV p-p max.
Power frequency:	50/60 Hz		
Inrush current:	40 A	50 A	60 A
PSU power:	48 W max.	84 W max.	180 W max.
Output current:	4x1 A ($\Sigma I = 4A$ max.)	8x1 A ($\Sigma I = 7A$ max.)	16x1 A ($\Sigma I = 15A$ max.)
Efficiency:	86%	86%	85%
Output voltage (factory setting):	12 V DC		
Adjustment range U_{AUX} :	12 – 15 V DC		
Short circuit protection SCP:	4x F 1A glass fuse fast blow	8x F 1A glass fuse fast blow	16x F 1A glass fuse fast blow
Type of glass fuse:	F1A...F2A		
Overload protection OLP:	105 – 150% power, automatically recovered		
Surge protection:	varistors		
Over voltage protection OVP:	>19V (activation requires disconnecting the load or supply for about approx. 1 min.)		>19V (automatic recovery)
Protection in 230V circuit:	Glass fuse T3,15A		Glass fuse T5A
LED operation indication:	- LEDs on PCB of power supply unit - LED indicators on power supply's cover		
Technical output FPS – fuse failure:	relay: 1 A@ 30 V DC /50 V AC		
Operating conditions:	Temperature: -10°C ÷ +40°C relative humidity 20%...90%, without condensation		
Protection class EN 62368-1:	I (first)		
Storage temperature:	-20°C...+60°C		
Vibrations and impulse waves during:	According to PN-83/T-42106		
Optional equipment:	optional equipment: set of external LED indicators: PKAZ168, mounting plate DIN 4		
Declarations, warranty:	CE, UKCA, 2 years from production date		
Notes:	Convictional cooling		Forced cooling (fan)