

# PSDC series power supply unit

## Power supply 12V DC for up to 16 HD cameras



EN\*

CODE: **PSDC161214** v.1.0/IX

TYPE: **PSDC 12V/14A/16x1A** power supply for up to 16 HD cameras - PTC/TOPIC



### Features:

- the 16x0,87A/12V DC power output for powering 16 HD cameras
- output voltage adjustment 12V÷15V DC
- 16 outputs, protected with 1A fuses
- jumper selectable fuses: glass fuse or polymer fuse
- wide range of supply voltage 176÷264VAC
- high efficiency 85%
- LED indication
- FPS technical output of fuse activation indication
- protections:
  - SCP short-circuit protection
  - OVP over voltage protection
  - surge protection
  - OLP overload protection
  - against tampering
- warranty – 3 year from the production date

### DESCRIPTION

The **PSDC161214** stabilized power supply is designed to supply HD cameras or other devices requiring stabilized voltage of **12V DC**. The output voltage adjustment range is adjusted via a potentiometer within the range of **12V÷15V DC**. The PSU features 16 outputs protected independently by either glass fuses or polyswitches. A failure (a short circuit) in the output circuit makes a fuse blow or an activation of the polymer fuse and disconnection of the circuit from the DC power supply (+U). The PSU is housed in a metallic enclosure with an indication panel featuring a microswitch indicating unwanted opening of the door (faceplate).

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SPECIFICATIONS	
Power supply	176 ÷ 264V AC
Current consumption	1,36A@230VAC max.
PSU power	200W max.
Efficiency	85%
Output voltage	12V DC
Output current	<b>16 x 0,87A</b>
Output voltage adjustment range	12V÷ 15V DC
Ripple voltage	100mV p-p max.
Short-circuit protection SCP	LB8/AW (A, B) STRIP 16x F 1A (fuse) or PTC 1A PSU MODULE 105% ÷ 150% of PSU power, electronic current limiting
Overload protection OLP	105% ÷ 150% of PSU power, electronic current limiting
Surge protection	varistors
Surge over voltage protection OVP	>16V (automatic recovery)
Tampering protection system - TAMPER – indicating unwanted opening of the PSU's enclosure	- microswitch, NC contacts (enclosure closed), 0,5A@50V DC (max.)
Technical outputs: - FPS (A, B) outputs indicating fuse failure (blow), strips LB8/AW A, B (SCP activation)	- OC type, 50mA max, normal status: L level (0V), failure: hi-Z level
LED indication	LEDs
Operating conditions	2nd environmental class, temperature: -10 °C÷50 °C, relative humidity 20%...90%, without condensation
Enclosure	Steel plate DC01 0,7mm thick, colour: RAL9003
Dimensions	280 x 256 x 50+8 (WxHxD) [mm] (+/- 2)
Net/gross weight	2,25/2,48 kg
Closing	Cheese-head screw: at the front
Declarations, warranty	CE, 3 year from the production date
Notes	The enclosure does not adjoin the assembly surface so that cables can be led. Convictional cooling.