

# PSDCS series power supply unit

Two-section power supply 12V DC for up to 16 HD cameras (2x8)



CODE: **PSDCS161214** v.1.0/I  
TYPE: **PSDCS 12V/14A/16x1A/TOPIC** Two-section power supply  
for up to 16 HD cameras (2x8)

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## Features:

- the 16x0,87A/12V DC power output for powering 16 HD cameras
- two independent, galvanically isolated power sections
- the output voltage can be adjusted in the range 12V ÷ 15V DC separately for each section
- 16 outputs protected with 1A fuses
- wide range of supply voltage 176÷264VAC
- high efficiency 84%
- LED indication
- protections:
  - SCP short-circuit protection
  - OVP over voltage protection
  - surge protection
  - OLP overload protection
- warranty – 2 year from the production date

## DESCRIPTION

The **PSDCS161214** stabilized power supply is designed to supply HD cameras or other devices requiring stabilized voltage of **12V DC**. The power supply unit features 16 outputs divided into two independent, galvanically isolated power sections. The output voltage of all power supply sections can be independently adjusted by a potentiometer in the range **12V ÷ 15V DC**. The outputs are independently protected by melting fuses. A failure (a short circuit) in the output circuit makes a fuse blow and disconnection of the circuit from the DC power supply (+U). The PSU is housed in a metallic enclosure with an indication panel featuring.

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| SPECIFICATIONS                    |  |
|-----------------------------------|--|
| Supply voltage                    | 176 ÷ 264V AC  |
| Current consumption               | 1,6A@230VAC max.   |
| PSU power                         | 168W max.  |
| Efficiency                        | 84%  |
| Output voltage                    | 12V DC   |
| Output current                    | 16x0,87A ( $\Sigma I= 14A$ ) max.@12V  |
| Output voltage adjustment range   | 12V ÷ 15V DC   |
| Ripple voltage                    | 100mV p-p max.   |
| Short-circuit protection SCP      | LB8 (A, B) STRIP<br>16x F 1A fuse<br>PSU MODULE<br>105% ÷ 150% of PSU power, electronic current limiting |
| Overload protection OLP           | 105% ÷ 150% of PSU power, electronic current limiting  |
| Surge over voltage protection OVP | >16V (automatic recovery)  |
| LED indication                    | LEDs   |
| Operating conditions              | 2nd environmental class, temperature: -10 °C+40 °C   |
| Enclosure                         | Steel plate DC01 0,7mm thick, colour: RAL9003  |
| Dimensions                        | W=300, H=301, D+ D <sub>1</sub> =52+8 [+/- 2mm]<br>W <sub>1</sub> =305, H <sub>1</sub> =306 [+/- 2mm]    |
| Net/gross weight                  | 2,7/2,9 kg   |
| Closing                           | Cheese-head screw: at the front  |
| Declarations, warranty            | CE, 2 year from the production date  |
| Notes                             | The enclosure does not adjoin the assembly surface so that cables can be led. Convectonal cooling.       |