



SP-POE12
v1.1

SP-POE12 PoE splitter



RoHS



Edition: 2 from 26.09.2019
Supercedes the edition: 1 from 01.06.2017

EN

The module's features:

- Power supply output for cameras 1,1 A/12 V DC
- The input voltage range: 44-57V DC
- Designed for 10Mbit/s and 100Mbit/s network
- Galvanic separation between input/output
- Optical LED indication
- Protections:
 - Short-circuit protection SCP
 - Overload protection OLP
- Warranty – 2 years from the production date

1. Technical description.

The SP-POE12 splitter is designed to supply IP cameras requiring supply voltage of 12 V DC. It is built on the basis of a high-performance DC/DC converter reducing the voltage from **44-57V DC** to **12 V DC**. The maximum load current is **1,1 A (Pmax=13 W)**, the recommended load current is 0,7A. The splitter can be powered from both PoE standard compliant devices (e.g. PoE switch) and passive PoE power supplies supplying voltage to 4/5 and 7/8 pairs, which do not participate in data transmission. The module feature galvanic isolation between input/output.

The supply voltage (POWER) and data (DATA) are supplied at the module input (the RJ-45 socket). The data (DATA) is transmitted to the output (the RJ-45 plug) only, while the 12 V DC supply voltage is supplied at the **DC plug 5.5 / 2.1**. The splitter also allows supplying other devices requiring 12 V DC supply voltage, including Access Point, router etc..

2. Technical parameters.

Voltage adjustment range (supply):	44 – 57 V DC
Current consumption:	0,27-0,35 A
Module power:	13 W
Efficiency:	81%
Output voltage:	12 V DC
Output current (max):	1,1 A
Output current (continuously):	0,7 A
Ripple voltage:	200 mV p-p max.
Short-circuit protection SCP and overload protection OLP:	105% ÷ 150% of module supply power, automatic recovery
Optical indication: RJ45 socket - diode indicating presence of DC input voltage	- Yellow, normal status: is lit continuously, failure: off
PoE standard	IEEE 802.3af/at
Input power supply pairs	1/2 (+) 3/6 (-) 4/5 (+) 7/8 (-)
Transmission speed	10/100Mb/s Full Duplex
Input connector	RJ-45 socket
Output connector	Supply: 16cm wire + DC plug 5.5 / 2.1 Data: twisted pair Cat.5 + RJ-45 plug
Operating conditions:	II environmental class, -10 °C÷40 °C
Dimensions	86 x 30 x 25 [mm] (WxHxD)
Net / gross weight	0,06/0,07 kg

WEEE LABEL

Waste electrical and electronic equipment must not be disposed of with normal household waste. According to the European Union WEEE Directive, waste electrical and electronic equipment should be disposed of separately from normal household waste.

Pulsar sp. j.

Siedlec 150, 32-744 Łapczyca, Poland
Tel. (+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