

CODE: **SP-POE12** v1.0/l
 TYPE: **SP-POE12 PoE splitter**

EN**



The module's features:

- Power supply output for cameras 1,25A/12V DC
- The input voltage range: 44÷57V DC
- High efficiency 84%
- Designed for 10Mbit/s and 100Mbit/s network
- Optical LED indication
- Protections:
 - Short-circuit protection SCP
 - Overload protection OLP
- Warranty – 2 years from the production date

DESCRIPTION

The SP-POE12 splitter is designed to supply IP cameras requiring supply voltage of 12V DC. It is built on the basis of a high-performance DC/DC converter reducing the voltage from **44÷57V DC** to **12V DC**. The maximum load current is **1,25A (Pmax=15W)**. 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 (e.g. POE0448). 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 12V DC supply voltage is supplied at the **DC plug 5.5 / 2.1**. The splitter also allows supplying other devices requiring 12V DC supply voltage, including Access Point, router etc..

TECHNICAL DATA	
Voltage adjustment range (supply):	44V ÷ 57V DC
Current consumption:	0,32A÷0,41A
Module power:	15W
Efficiency:	84%
Output voltage:	12V DC
Output current:	1,25A
Ripple voltage:	150mV 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: 30cm 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	0,07/0,075kg
Declarations, warranty	CE, 2 year from the production date

Fig. 1. The mechanical view.

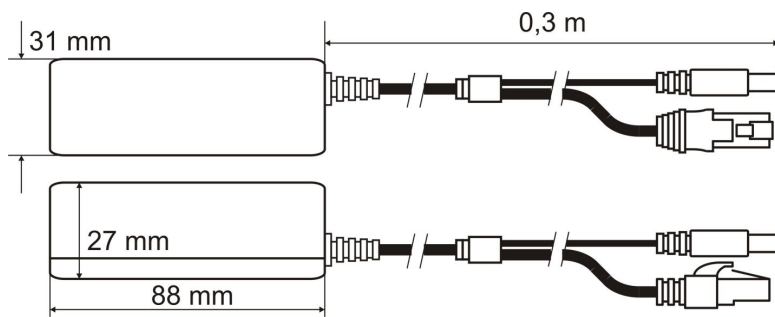


Fig. 2. Example of connection with PoE switch.

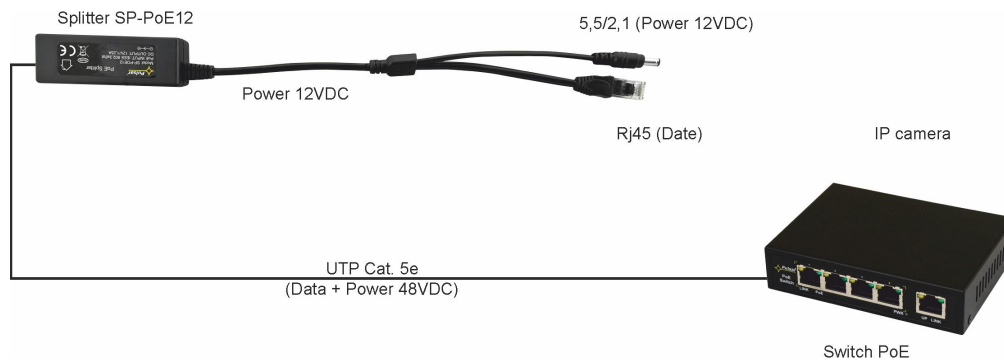


Fig. 3. Example of connection with passive PoE power supply.

