

CODE: **SP-POE12** v.1.1/II
 TYPE: **SP-POE12 PoE splitter**

EN**



The module's features:

- Power supply output for cameras 1,1 A/12 V DC
- The input voltage range: 44-57 V 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

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 **1,1 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 features 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 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):	44 - 57V 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:	200mV 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	0,06/0,07kg
Declarations, warranty	CE, 2 year from the production date



WEEE MARK

According to the EU WEE Directive – It is required not to dispose of electric or electronic waste as unsorted municipal waste and to collect such WEEE separately.

Fig. 1. The mechanical view.

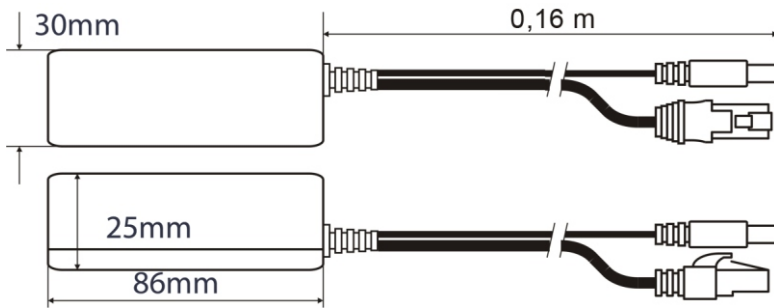


Fig. 2. Example of connection with PoE switch.

