

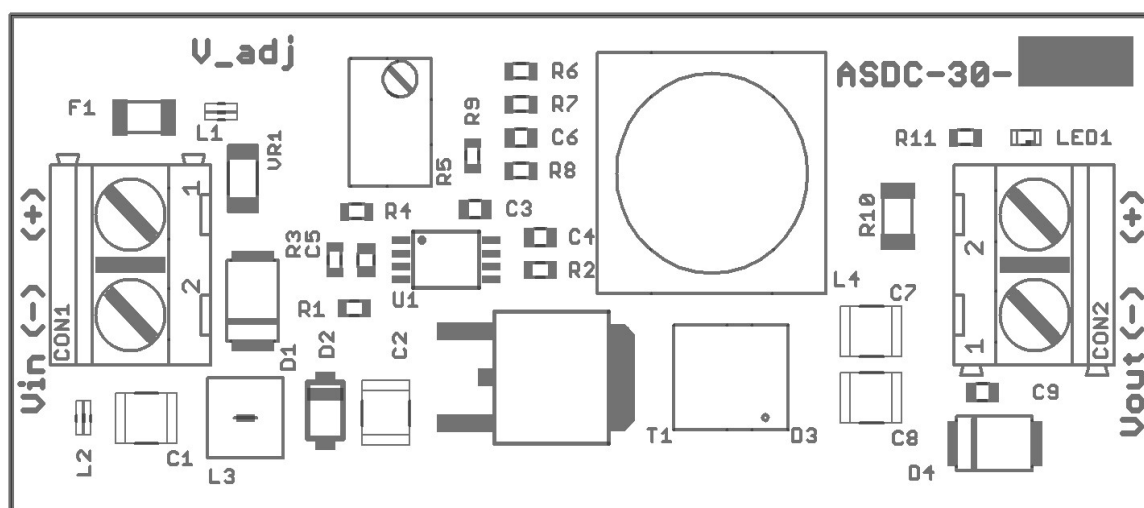
ASDC-30-AD0-OF

DC / DC step-down converter

adjustable 3,3 ... 12V 2,5A built-in module

INSTRUCTION MANUAL

ASDC-30-AD0-OF is a non-isolated DC / DC step-down converter. The device is powered from 5 ... 50 VDC (eg from the 48V PoE line) and provides a regulated output voltage of 3.3 ... 12 V. The basic application of the converter is the power supply of WiFi devices and other monitoring elements requiring a specific supply voltage between 3.3 ... 12 V.



General view of the device

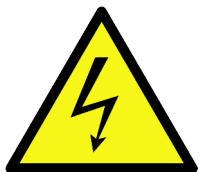
Technical Specification

Output Voltage	3,3 ... 12 VDC (VIN > VOUT)
Power Supply Voltage	5 ... 50 VDC
Idle Current	2,5 mA @48V
Output Power	30 W @12V
Efficiency	92% @VIN=48V, POUT=24W
Protection	Output short-circuit protection Overload protection Thermal protection Input overvoltage protection
Housing Construction	Open frame module
Assembly	Self adhesive tape
Operating Temperature	-25 ... +50°C
Dimensions	25 x 60 x 16 mm
Weight	0,02 kg

Safety Precautions

- The installation and wiring must be performed by a competent engineer. For permanently connected equipment, a readily accessible disconnect device must be incorporated in the fixed wiring. The device must be connected to the mains supply 230 VAC 50 Hz via a specified fused connection outlet.
- Despite the fact that the enclosure of the device has a high degree of protection, it is recommended that the device should be mounted in places protected from direct influence of atmospheric factors, in particular against rain and direct sunlight.
- Since the power supply does not have a switch to isolate the mains supply, the installer is responsible for notifying the user of the means of isolating the mains supply from the device.
- When replacing fuses, use original or compatible types. The exact parameters of the fuses can be found on the inside of the device cover.

WARNING



Before installation and during maintenance make sure that the mains voltage 230VAC is disconnected

Installation

- Mount the device in the selected location and connect the connecting wires.
- Connect power supply wires to Vin terminals.
- Turn on power supply.
- If necessary adjust output voltage using potentiometer V_{adj}.

Operation Indication

- The presence of the output voltage is indicated by a red LED.

WEEE MARKING



This symbol on the product or on its packaging indicates that the product must not be disposed of with normal household waste. Instead such equipment must be disposed of by arranging to return it to a designated collection point for the recycling of waste electrical and electronic equipment.

