



Home > Our switched mode power supplies > TP114A > PDF

Switched mode power supply TP114A

70W class I and class 2 LPS power supply with 2 converters and 3 outputs



Overview TP114A

- 70W power supply with 2 converters:

Main converter
Continuous auxiliary converter

- I/O interfaces: a main converter logic OK signal, a remote on/off function, a power fail signal and an output current sense signal
- Custom Made

Application

- Professional coffee vending machine
- Operating 24/7
- High power demands for a short period of time

Detailed specifications

Input

- Jumper selectable input voltage ranges: 90 - 135 Vac
190 - 264 Vac
- Leakage current: 1 mA RMS max.
- Efficiency: > 80 %

Output

- Triple output voltages: +5.1Vdc (aux)
+24Vdc (main)
+30Vdc (main)
- Nominal output power: 70W
- Max output power: 250W (10 sec.)
- Max peak output power: 360W (3 sec.)

Certificates

- CE marked



Microprocessor controlled protections

- Under/Overvoltage protection
- Overload / Short circuit protection
- Time related output power / current protection
- Automatic switch-off
- Reset by removing the AC-input
- The main converter has the ability to foldback at very high load conditions without affecting the performance of the 5V auxiliary output

Safety & EMC

- EN 60950 Class I
- UL 60950 Class I
- EN 60335 Class I
- EN 50081-1
- EN 55014
- EN 50082-1
- EN 55104
- EN 61000-4-2,3,4,5,6,11
- EN 61000-3-3
- Class 2 LPS

Cooling

- Free air convection

Mechanical construction

- Enclosed housing: custom made anti-fluid drip housing

Connection

- Input: JST 5 pins connector
- Output: JST 2 pins connector
JST 6 pins connector
Tyco I/O connector

Dimensions & weight

- Size (L x W X H): 180 x 94 x 55 mm
7,1 x 3,7 x 2,2 inch
- Weight: 0,7 KG