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Switched mode power supply TP95A

50W Multiple output power supply
with a time protected high peak
output power



Overview TP95A

- 50W power supply
- Flyback converter topology
- High peak output power
- Custom Made

Application

- Professional coffee dispenser
- Operating 24/7
- High power demands for a short period of time due to motors, valves and electromagnetic relays

Detailed specifications

Input

- Universal input voltage range 85 - 264Vac
- Efficiency: > 75 %

Multiple output voltages

- Output used to supply peltier element (cools coffee extract): 11V
- Output used to supply the digital control electronics: 5V
- 2 Outputs used to supply relays, valves, motors and the coffee dosing coils. 19,8V + 24V
- Nominal output power: 50W
- Max output power 100W (1 ms)

Certificates

- UL / CE marked



Protections

- Overvoltage protected
- Overload protection

Safety & EMC

- EN 60950
- EN 60335

Cooling

- Free air convection

Mechanical construction

- Open frame
- Custom shaped PCB: the unit can be placed in vertical position

Connection

- Input 3 pins JST connector
- Output Connector + wire

Dimensions & weight

- Size (L x W X H): 100 x 125 x 50 mm
3,9 x 4,9 x 2 inch
- Weight: 0,34 KG