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Switched mode power supply TP105A

250W (Watt) Power supply used in a professional coffee dispenser.



Overview TP105A

- 250W power supply
- Single-ended feed-forward topology
- Passive power factor corrected (PFC) circuitry
- 30V output is provided with an accurate low loss magnetic post regulation
- Custom Made

Application

- Professional coffee vending machine
- High power demands caused by the start-up currents of the connected DC-motors (up to 10 seconds)
- Operating 24/7

Detailed specifications

Input

- Input voltage range: 180 - 264V
- Leakage current: 1 mA RMS max.
- Efficiency: > 75%

Output

- Triple output voltages: 13,5V, 24V & 30V
- Nominal output power: 250W
- Max total output power: 560W (10 sec.)

Microprocessor controlled protections

- Overvoltage protection
- Overload / Short circuit protection
- Time related output power / current protection

Certificates

- CE marked



Safety & EMC

- IEC 950, Class I
- UL 1950, Class I
- EN 60335, Class I
- EN 50081-1
- EN 55014
- EN 50082-1
- EN 55104
- IEC 1000-4-2,3,4,5,6,11
- IEC 1000-3-3

Cooling

- Free air convection

Mechanical construction

- Open frame
- Provided with two L-shaped heatsinks

Connections

- Input: 3 pins Mate-N-Lok connector
- Output: 9 pins Mate-N-Lok connector

Dimensions

- Size (L x W X H): 205 x 95 x 50 mm
8,07 x 3,7 x 2 inch
- Weight: 0,7 KG