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Switched mode power supply TP120A

120W Power supply with a time protected high output power of 410W



Overview TP120A

- 120W power supply
- Single-ended feed-forward topology
- Protection levels are regulated by a microcontroller
- Custom Made

Application

- Professional coffee vending machine
- High DC motor startup power
- Low standby power
- Operating 24/7

Detailed specifications

Input

- Jumper selectable input voltage range: 90 - 135 Vac
190 - 264 Vac
- Leakage current: 1 mA RMS max.
- Efficiency: > 82,5%

Output

- Dual output voltages: +12Vdc
+30Vdc
- Nominal output power: 120W
- Max. output power: 290W (13 sec.)
- Max. peak output power: 410W (4 sec.)

Microprocessor controlled protections

- Under/Overvoltage protection
- Overload / Short circuit protection
- Time related output power / current protection
- Automatic restart after 3 seconds

Certificates

- ETL / CE marked



Safety & EMC

- IEC 60950 Class I
- UL 60950 Class I
- EN 60335 Class I
- EN 55014
- EN 50081-1 EN 61000-6-3 2001
- EN 50082-2 EN 61000-6-2 2001
- EN 61000-4-2,3,4,5,6,11
- EN 61000-3-3
- EN 61000-3-2 A14 2000

Cooling

- Free air convection

Mechanical construction

- Open frame with a L-shaped heatsink

Connection

- Input Leoco connector 3 pins
- Output Leoco connector 5 pins
Dinkle Barrier 2 pins
- 115/230V jumper Leoco connector 2 pins

Dimensions & weight

- Size (L x W X H): 142 x 77 x 45 mm
5,6 x 3 x 1,8 inch
- Weight: 0,65 KG