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Switched mode power supply TP119A

70W class II medical power supply



Overview TP119A

- 70W power supply
- Single-ended feed-forward topology
- Extended lifetime achieved by components choice
- TTL compatible integrated power fail signal
- Custom Made

Application

- Artificial respiration unit (patient homecare)
- Fluctuating power demands of a DC motor
- Remote on/off functionality

Detailed specifications

Input

- Autoranged input voltage ranges: 85 - 135 Vac
190 - 264 Vac

- Leakage current: 0,5 mA RMS max.
- Efficiency: > 80%

Output

- Dual output voltages: +12Vdc
+40Vdc
- Nominal output power: 70W

Protections

- Under/Overvoltage protection
- Overload / Short circuit protection
- Over temperature protection
- Automatic restart functionality

Safety & EMC

- EN 60601 4kV
- EN 55011 Class B
- IEC 60950 Class I
- UL 60950 Class I
- EN 55014
- EN 50081-1
- EN 50082-2
- EN 61000-4-2,3,4,5,6,11
- EN 61000-3-3
- EN 61000-3-2 A14 2000
- EN 61000-6-2 2001
- EN 61000-6-3 2001

Cooling

- Limited air convection at elevated ambient temperatures

Mechanical construction

- Mounted in customer's housing

Connection

- Input Leoco connector 3 pins
- Output Leoco connector 7 pins

Dimensions & weight

- Size (L x W X H): 125 x 100 x 40 mm
4,9 x 3,9 x 1,6 inch
- Weight: 0,45 KG