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Switched mode power supply TP88A

60 watt class II medical power supply. Conforms to type B (patient care) medical safety standards.



Overview TP88A

- 60W power supply
- Flyback converter topology
- Green LED illuminates when the output voltage is present
- Integrated relay circuitry
- Wide input voltage range
- Custom made

Application

- Devices used in medical environments.
- High demands on safety performance.

Detailed specifications

Input

- | | |
|------------------------|----------------|
| • Input voltage range: | 85Vac - 264Vac |
| • Leakage current: | 0.1 mA max |
| • Efficiency: | > 75% |

Output

- | | |
|--------------------------|------|
| • Single output voltage: | +24V |
| • Nominal output power: | 60W |

Protections

- Overvoltage protection
- Overload / Short circuit protection
- Double fused (line and neutral)
- Automatic switch-off functionality
- Reset by removing the AC-input for at least 5 sec.

Certificates

- CE marked



Safety & EMC

- IEC 601-1
- EN 55011 class B
- IEC 801-2, 3, 4, 5

Cooling

- Limited air convection
- Bad thermal conditions: the supply is designed to guarantee a low thermal stress level.

Mechanical construction

- The supply is mounted in a special made plastic housing.
- Mechanical protection is in accordance with IP 32.

Connection

- | | |
|-----------|----------------------------|
| • Input: | 3 pins connector (IEC 320) |
| • Output: | 9 pins Sub-D connector |

Dimensions & weight

- | | |
|---------------------|---|
| • Size (L x W X H): | 190 x 138 x 68 mm
7,5 x 5,4 x 2,7 inch |
| • Weight: | 0,7 KG |