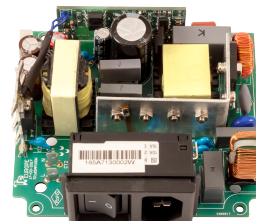


TP165A

96W power supply for surgical motor systems and dental equipment. The application is characterized by a high peak power demand due to the load of a brushless motor with a low stand-by power.



Model ref: TPLLC-96-1-A

OVERVIEW

- 96W medical power supply
- High peak power demand
- Low stand-by power
- Ability to cope with feedback energy from the motor
- Custom made

APPLICATION

- Surgical motor systems and dental equipment

INPUT

- Universal input voltage range : 85 - 264 Vac
- Leakage current : 100µA RMS NFC, 500µA RMS SFC
- Efficiency : > 85%
- Class I

OUTPUT

- Nominal output power : 96W
- Peak output power : 264W (max. 10 sec.)
- Single output voltage : +48V

PROTECTIONS

- Under / overvoltage protection
- Overload / short circuit protection
- Overtemperature protection : (optional)
- DC-motor feedback energy protection
- Safety during service : 30 seconds after the AC mains are removed the voltage at the internal primary circuitry is below 60Vdc
- Microprocessor controlled protections

CERTIFICATES

- UL



SAFETY & EMC

- | | |
|-----------------------------|---------------------|
| • IEC/EN/UL 60601-1 | • IEC/EN/UL 60950-1 |
| • IEC/EN/UL 60335-1 | • EN 55011 |
| • EN 55014-1 | • EN 55014-2 |
| • EN 50081-1 | • EN 50082-2 |
| • IEC/EN 61000-4-2 | • IEC/EN 61000-4-3 |
| • IEC/EN 61000-4-4 | • IEC/EN 61000-4-5 |
| • IEC/EN 61000-4-6 | • IEC/EN 61000-4-11 |
| • IEC/EN 61000-3-2 | • IEC/EN 61000-3-3 |
| • IEC/EN 61000-6-2 | • IEC/EN 61000-6-3 |
| • Rohs directive 2011-65-EU | |

COOLING

- Limited air convection

CONSTRUCTION

- Open frame

CONNECTIONS

- | | |
|----------|--------------------|
| • Input | : 3 pins connector |
| • Output | : 2 pins connector |

DIMENSIONS & WEIGHT

- | | |
|--------------------------|------------------------|
| • Dimensions (L X W X H) | : 108 x 95 x 40 mm |
| | : 4.3 x 3.7 x 1.6 inch |
| • Weight | : 0.3 KG |