



TP138A



120W Dual output power supply used for automatic industrial door systems. Peak output power of 432W. Conforms to 60335-2-103 safety requirements.



Model ref: TPSF-120-2-B

OVERVIEW

- 120W power supply
- Custom made
- +36V main converter is based on the single-ended feed-forward topology
- Ultra stable +14V DC-DC converter for a variety of sensors
- Able to cope with feedback energy from the DC-motor

APPLICATION

- Designed to supply the electronics and electromechanical parts of an industrial automatic door system
- Operating 24/7

INPUT

- Input voltage range : 190 – 264 Vac
- Leakage current : 1 mA RMS max.
- Efficiency : > 85% EC Ecodesign (EUP Tier1)
- Class I

OUTPUT

- Nominal output power : 120W
- Peak output power : 366W – 432W (2.5 sec.)
- Multiple output voltages : +14V
: +36V

PROTECTIONS

- Under / overvoltage protection
- Overload / short circuit protection
- Time related output power / overcurrent protection
- Automatic fault recovery (hiccup restart) functionality
- Microprocessor controlled protections

CERTIFICATES

- CE marked



SAFETY & EMC

- EN 55014
- IEC/EN/UL 60950-1
- IEC/EN 61000-3-3
- IEC/EN 61000-4-3
- IEC/EN 61000-4-5
- IEC/EN 61000-4-11
- IEC/EN 61000-6-3
- IEC/EN/UL 60335-1
- IEC/EN 61000-3-2
- IEC/EN 61000-4-2
- IEC/EN 61000-4-4
- IEC/EN 61000-4-6
- IEC/EN 61000-6-2

COOLING

- Free air convection

CONSTRUCTION

- Enclosed frame : Enclosed in a rail mountable bracket
- Separate, user removable, emergency backup battery compartment

CONNECTIONS

- Input : 3-pins mains inlet (IEC EN60320 C14)
- +14V output : Flying leads with a screw terminal connection
- +36V output : Flying leads with a 2 pins connector

DIMENSIONS & WEIGHT

- PSU dimensions (LxWxH) : 110 × 65 × 50 mm
: 4.3 × 2.6 × 2 inch
- Housing dimensions (LxWxH) : 265 × 70 × 55 mm
: 10.4 × 2.8 × 2.2 inch
- Weight : 0.65 KG