Total Power Europe
Specialist in power conversion

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TP121A

140W Power supply used in a vending machine. The unit has a time protected high peak output power of 370W. Safety according UL 60950-1.



CE

Model ref: TPSF-140-1-A

OVERVIEW

- 140W power supply
- Single-ended feed-forward topology
- High peak output power
- Custom made

APPLICATION

- Professional coffee vending machine
- High power demands for a short period of time
- Operating 24/7

INPUT

• Jumper selectable input voltage range	: 90 – 127 Vac : 198 – 254 Vac
• Leakage current	: 0.75 mA RMS max.
• Efficiency	: > 82.5%
• Class I	

OUTPUT

• Nominal output power	: 140W
• Peak output power	: 300W (45 sec.) : 370W (10 sec.)
• Single output voltage	: +24Vdc
• 60950-1 LPS / UL 1310 Class 2 (output limited to 100VA for max 5 seconds)	

PROTECTIONS

- Under / overvoltage protection
- Overload / short circuit protection
- Time related output power / overcurrent protection
- Automatic restart after 3 seconds

CERTIFICATES

- CE marked

SAFETY & EMC

- EN 55014
- IEC/EN/UL 60335-1
- IEC/EN/UL 60950-1 LPS
- IEC/EN 61000-3-2
- IEC/EN 61000-3-3
- 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 61000-6-2
- IEC/EN 61000-6-3

COOLING

- Very limited air convection

CONSTRUCTION

- Custom designed blank anodized L-bracket housing

CONNECTIONS

• Input	: AMP Mate-N-Lock 3 pins
• Output	: Mini-Fit Jr. 6 pins : Mini-Fit Jr. 2 pins
• 115/230V jumper	: Mini-Fit Jr. 2 pins

DIMENSIONS & WEIGHT

• Dimensions (L X W X H)	: 109 × 218 × 50 mm : 4.3 × 8.6 × 2 inch
• Weight	: 0.65 KG