



TP114A

Class I and class 2 LPS power supply with 2 converters.



Model ref: TPSF-70-3-A

OVERVIEW

- 70W power supply
- 2 converters : Main converter
: Continuous auxiliary converter
- I/O interfaces: a main converter logic OK signal, a remote on/off function, a power fail signal and an output current sense signal
- Custom made

APPLICATION

- Professional coffee dispenser machine
- High power demands for a short period of time

INPUT

- Jumper selectable input voltage range : 90 – 135 Vac
: 190 – 264Vac
- Leakage current : 1 mA RMS max.
- Efficiency : > 80%
- Class I

OUTPUT

- Nominal output power : 70W
- Peak output power : 250W (10 sec.)
: 360W (3 sec.)
- Multiple output voltages : +5.1Vdc (aux)
: +24Vdc (main)
: +30Vdc (main)
- 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 latch-off functionality
- Reset by removing the AC-input

- The main converter has the ability to foldback at very high load conditions without affecting the performance of the 5V auxiliary output
- Microprocessor controlled protections

CERTIFICATES

- CE marked



SAFETY & EMC

- | | |
|---------------------|-------------------------|
| • EN 50081-1 | • EN 50082-1 |
| • EN 55014 | • EN 55104 |
| • IEC/EN/UL 60335-1 | • IEC/EN/UL 60950-1 LPS |
| • 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 | |

COOLING

- Free air convection

CONSTRUCTION

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|------------------|---------------------------------------|
| • Enclosed frame | : Custom made anti-fluid drip housing |
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CONNECTIONS

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|----------|------------------------|
| • Input | : JST 5 pins connector |
| • Output | : JST 2 pins connector |

DIMENSIONS & WEIGHT

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|--------------------------|------------------------|
| • Dimensions (L X W X H) | : 180 × 94 × 55 mm |
| | : 7.1 × 3.7 × 2.2 inch |
| • Weight | : 0.7 KG |