



TP154C

90W SMPS designed for a coffee vending machine.



Model ref: TPMS-90-3-F

OVERVIEW

- 90W power supply
- Able to deliver 4 times the nominal output power
- 2 converters
 - : Main converter provides a 24V and 30V output voltage and can be switched on and off
 - : Auxiliary converter provides a continuous 5V and a switched 5V output
- The main converter is output power protected and has the ability to fold-back at very high load conditions without affecting the 5V auxiliary output
- Custom made

APPLICATION

- Coffee vending machine
- High startup currents of motors and valves within the dispenser

INPUT

- Jumper selectable input voltage range
 - : 90 - 135 Vac
 - : 180 - 264 Vac
- Leakage current : 0.5 mA RMS max.
- Efficiency : > 80%
- Class I

OUTPUT


- Nominal output power : 90W
- Peak output power : 480W (4.5 sec.)
- Multiple output voltages
 - : +24Vdc
 - : +30Vdc
 - : +5.1Vdc
 - : +5.1Vdc
- 60950-1 LPS / UL 1310 Class 2 (output limited to 100VA for max 5 seconds)

PROTECTIONS

- Under / overvoltage protection

- Overload / short circuit protection
- Fuse protected AC input
- Automatic latch-off functionality
- Microprocessor controlled protections

CERTIFICATES

- UL 
- CE marked 

SAFETY & EMC

- | | |
|-------------------------|---------------------|
| • IEC/EN/UL 60950-1 LPS | • UL1310 Class 2 |
| • UL197 | • IEC/EN/UL 60335-1 |
| • EN 55014 | • IEC/EN 61000-3-2 |
| • IEC/EN 61000-3-3 | • IEC/EN 61000-4-2 |
| • IEC/EN 61000-4-4 | • IEC/EN 61000-4-5 |
| • IEC/EN 61000-4-6 | • IEC/EN 61000-4-11 |
| • IEC/EN 61000-6-1 | • IEC/EN 61000-6-2 |
| • IEC/EN 61000-6-3 | • IEC/EN 61000-6-4 |
| • IEC/EN 61558-1 | • IEC/EN 62233 |
| • 2009/125/EC | • IEC/EN 61558-2-16 |

COOLING

- Free air convection

CONSTRUCTION

- L-bracket

CONNECTIONS

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|-------------------|---------------------------|
| • Input | : JST 5 pins connector |
| • Output | : JST 6 pins connector |
| • 115/230V jumper | : 3 pins connector |
| • I/O connector | : Stocko 7 pins connector |

DIMENSIONS & WEIGHT

- | | |
|--------------------------|----------------------|
| • Dimensions (L X W X H) | : 140 x 90 x 55 mm |
| | : 5.5 x 3.5 x 2 inch |
| • Weight | : 0.8 KG |