File E186249
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REPORT

On

*COMPONENT - POWER SUPPLIES, INFORMATION TECHNOLOGY EQUIPMENT

Astec International Limited Philippines Branch
Quezon City 1110, Philippines

DESCRIPTION

PRODUCT COVERED:

USR, CNR Component - Switching Power Supplies, Models LPS125 and LPS128 for use in Information Technology Equipment.

ELECTRICAL RATINGS:

MODEL	INPUT	OUTPUT	
LPS125	AC 100 - 250 V	FORCED AIR	
	2.5 A	DC + 24.0 V,	5.4 A MAX
	50 / 60 / 440 Hz	DC + 12.0 V,	0.5 A MAX
	OR	DC + 5 VSTBY,	0.5 A MAX
	DC 120 Vmin - 300 Vmax		
	2.0 A	CONVECTION COOLING	
		DC + 24.0 V,	3.33 A MAX
		DC + 12.0 V,	0.5 A MAX
		DC + 5 VSTBY,	0.5 A MAX
LPS128	AC 100 - 250 V	FORCED AIR	
	2.5 A	DC + 48.0 V,	2.7 A MAX
	50 / 60 / 440 Hz	DC + 12.0 V,	0.5 A MAX
	OR	DC + 5 VSTBY,	0.5 A MAX
	DC 120 Vmin - 300 Vmax		
	2.0 A	CONVECTION COOLING	
		DC + 48.0 V,	1.67 A MAX
		DC + 12.0 V,	0.5 A MAX
		DC + 5 VSTBY,	0.5 A MAX

Maximum continuous output power is 130 W at min. 30 CFM forced.

Maximum continuous output power is 80 W at natural convection cooling.

Maximum continuous output power is 40 W at 70°C ambient temperature.

*__TECHNICAL__ CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

General – The units are for use in product where the acceptability of the combination is determined by Underwriters Laboratories Inc.

* Both USR and CNR indicate investigation to the Standard for Safety of Information Technology Equipment, UL 60950-1, **Second** Edition, CAN/CSA C22.2 No. **60950-1-07.**

Conditions of Acceptability – When installed in the end-use equipment, the following are the considerations to be made:

1. *These component have been judged on the basis of the required creepages and clearances in the First Edition of the Standard for Safety of Information Technology Equipment, UL 60950-1, **Second** Edition, CAN/CSA C22.2 No. **60950-1-07,** Sub-clause 2.10, which covers the end-use product for which the component was designed. The functional insulation have been evaluated by conducting Component Failure Tests per sub-clause 5.3.4 (c) of UL 60950-1, First Edition, CAN/CSA C22.2 No. 60950-1-03.

2. These power supply have only been evaluated for use in Pollution Degree 2 environment.

3. *These power supply were evaluated with the assumption that the power source is a TN-S system as defined by UL 60950-1, **Second** Edition, CAN/CSA C22.2 No. **60950-1-07.**

4. A suitable enclosure shall be provided by end use equipment.

5. *The secondary outputs of the power supply are unearthed non-energy hazard SELV. Sub-clause 2.2.3.1 per UL 60950-1, **Second** Edition, CAN/CSA C22.2 No. **60950-1-07** were used to maintain the insulation of SELV from primary circuits.

6. *These power supply have been evaluated for use in Class I equipment as defined in UL 60950-1, **Second** Edition, CAN/CSA C22.2 No. **60950-1-07** and shall be properly earthed or bonded to earth in the end-use. An additional evaluation shall be made if the power supplies are intended for use in other than Class I equipment.

7. These power supply have been evaluated for use in 25°C and 50°C ambient.

8. Transformer T1 employ Class H electrical insulation system, while T3 employs Class F electrical insulation system.

9. The secondary DC output connector and input connector have not been evaluated for field connections.

10. *These power supply are classified as Level 3 as defined by UL 60950-1, **Second** Edition, CAN/CSA C22.2 No. **60950-1-07**

11. These power supply have not been evaluated for end system mounting. Creepage and clearance requirements between primary parts of power supply and system chassis shall be considered in the end system.

12. These power supply have only been evaluated under a specific ventilation set-up for 30 CFM forced air cooling. See ILL. 2 for details.