

DESCRIPTION

PRODUCT COVERED

USR, CNR Component - Switching Power Supplies, Models LPT51, LPT52, LPT53 and LPT54 for use in Information Technology Equipment.

ELECTRICAL RATINGS:

MODEL	INPUT	OUTPUT
LPT51	AC 100-240 V	+3.3V, 8A
	2 A max.	+12V, 0.5A
	50/60Hz	+5V, 3A
LPT52	AC 100-240 V	+5 V, 8 A
	2 A max.	-12 V, 0.5A
	50/60Hz	+12 V, 3 A
	or	
	AC 100-240 V	+5.75 V, 5 A
	2 A max.	-12 V, 0.5 A
LPT53	AC 100-240 V	+5 V, 8 A
	2 A max.	-15 V, 0.5A
	50/60Hz	+15 V, 2.4 A
LPT54	AC 100-240 V	+5V, 8 A
	2 A Max.	+12V, 0.5 A
	50/60Hz	+24V, 1.5 V

LPT52 LPT53 and LPT54 maximum continuous output power are 55 W.

LPT51 maximum continuous output power is 47.4 W.

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

General - The unit is 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, Including Electrical Business Equipment, UL 60950-1, Second Edition **with revision date 2011-12-19**, CAN/CSA C22.2 No. 60950-1-07 **with revision date 2011-12**.

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

- *1. These components have been judged on the basis of the required creepages and clearance in the **Second** Edition of the Standard for Safety of Information Technology Equipment, UL60950-1, 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 operational insulations have been evaluated by conducting Component Failure Tests per sub-clause 5.3.4. (C) of UL 60950-1, **Second** Edition, CAN/CSA C22.2 No. **60950-1-07**.
2. These power supplies have only been evaluated for use in pollution degree 2 environment.

3. These power supplies were evaluated with the assumption that the power source is a TN system defined by UL 60950-1, Second Edition, CAN/CSA C22.2 No. 60950-1-07.
4. A suitable fire, mechanical and electrical enclosure shall be provided by end-use equipment.
5. These power supplies have been evaluated for use in Class I equipment as defined in UL 60950-1, Second Edition and shall be properly earthed or bonded to earth in the end-use. An additional evaluation shall be made if the power supply is intended for use in other than Class I equipment.
6. The secondary outputs of these power supplies are unearthed non-energy hazard SELV. Method 1 of Sub-clause 2.2.3.1 per UL 60950-1, Second Edition was used to maintain the insulation of SELV from primary circuits.
7. These power supplies have been evaluated for use in 25°C and 50°C ambient.
8. Transformers T1 employ an (OBJY2) Class F electrical insulation system.
9. The secondary DC output connector has not been evaluated for field connections.
10. These power supplies were not evaluated for end system mounting.
11. These power supplies were tested on a 20 A branch circuit. If used on a branch circuit greater than this, additional testing may be necessary.
12. The maximum working voltage on Models LPT51, LPT52 , LPT53 and LPT54 present is 230 V rms; 504 V pk; 249 V rms; 512 V pk, 254 V rms; 476 V pk and 238 V rms; 484 V pk respectively. The electric strength tests in the end-product shall be based on this value.
13. **The power supply is designed with two configurations of A & B; configuration A is for only Fuse F1 used in the power supply; configuration B is for only Fuse F2 used in the power supply, only for Model LPT52.**
For configuration A: the pin of input connector near F1 (Pin 1) must be connected to Line in end use;
For configuration B: the pin of input connector near F2 (Pin 3) must be connected to Line in end use.
See ILL.2 for installation details.