

## DESCRIPTION

## PRODUCT COVERED

USR, CNR Component - Switching Power Supplies, Models LPS52, LPS53, LPS54, LPS55 and LPS58 for use in Information Technology Equipment.

## ELECTRICAL RATINGS:

MODEL	INPUT	OUTPUT
LPS52	AC 100-240 V	+5 V, 11 A
	2 A Max.	
	50/60 Hz	
LPS53	AC 100-240 V	+12 V, 5.0 A
	2 A Max.	
*	50/60 Hz	
LPS54	AC 100-240 V	+15 V, 4.0 A
	2 A Max.	
	50/60 Hz	
LPS55	AC 100-240 V	+24 V, 2.5 A
	2 A Max.	
	50/60 Hz	
LPS58	AC 100-240 V	+48 V, 1.25 A
	2 A Max.	
	50/60 Hz	

LPS52 maximum continuous output power is 55 W.

LPS53, LPS54, LPS55 and LPS58 maximum continuous output power are 60 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, CAN/CSA C22.2 No. 60950-1-07.

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, UL 60950-1, 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 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 boned 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 output 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. Transformer T1 employs 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. The Power Supply Model LPS53 has been evaluated for use in a 80°C at quartered load.
12. These Power Supplies have been evaluated for use in a 70°C at half load.
13. The Clearances and Creepage Distances have additionally been assessed for suitability up to 3050m elevation.
14. **The power supply LPS53 has been evaluated with frequency of 440HZ, but touch current must be evaluated in end system.**