

DESCRIPTIONPRODUCT COVERED:

Component - Switching Power Supplies, Models LPS61 and LPS68, for Use in Information Technology Equipment, Including Electrical Business Equipment.

ELECTRICAL RATINGS:

<u>Model</u>	<u>Input</u>	<u>Output</u>
LPS61	100-250 V ac 2.3 A 50/60/440 Hz or 120-300 V dc 1.5 A	+3.3 V dc, 16 A
LPS68	100-250 V ac 2.3 A 50/60/440 Hz or 120-300 V dc 1.5 A	+48 V dc, 1.7 A

Maximum output power : For LPS61

40 W convection cooling
50 W with 30 cfm forced air

For LPS68

60 W convection cooling
80 W with 30 cfm forced air

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

General - For use only in complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

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

- *1. These components have been judged on the basis of the required creepages and clearances in the Second Edition of the Standard for Information Technology Equipment Including Electrical Business Equipment, **UL 60950-1, Second Edition, dated March 27, 2007 and CAN/CSA C22.2 No. 60950-1-07, dated March, 2007**, Subclause 2.10, which covers the end-use product for which the component was designed. Operational insulations have been evaluated by conducting component failure tests per Subclause 5.3.4(C) of **UL 60950-1, Second Edition, dated March 27, 2007 and CAN/CSA C22.2 No. 60950-1-07, dated March, 2007**.
2. A suitable enclosure shall be provided.
3. These power supplies have only been evaluated for use in pollution Degree 2 environment.
4. The secondary output connectors have not been evaluated for field connections.
- *5. The secondary outputs of these power supplies are unearthed SELV and non-energy hazard. Method 1 of Sub-clause 2.2 is used to maintain the insulations of SELV from other circuits.
- *6. These power supplies have been evaluated for use in Class I equipment as defined in **UL 60950-1, Second Edition, dated March 27, 2007 and CAN/CSA C22.2 No. 60950-1-07, dated March, 2007**. An additional evaluation shall be made if the power supply is intended for use in other than Class I equipment.
7. These power supplies are not directly connected to earth ground of the branch circuit, they shall be properly bonded to earth ground in the end-use product.
- *8. These power supplies were evaluated under the assumption that the power source is a TN-S system as defined by **UL 60950-1, Second Edition, dated March 27, 2007 and CAN/CSA C22.2 No. 60950-1-07, dated March, 2007**.
9. These power supplies have been evaluated for use in a 25°C and 50°C ambient.
10. Transformer T1 employs a Class F electrical insulation system.
11. These power supplies have been evaluated under a force air cooling condition.
12. **The power supplies were evaluated for operating altitude up to 3050 m above sea level.**