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Project 98NK80046

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REPORT

On

*COMPONENT - POWER SUPPLIES, INFORMATION TECHNOLOGY EQUIPMENT

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Quezon City, Philippines**

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DESCRIPTION

PRODUCT COVERED:

*USR, CNR Component - Switching Power Supplies, Models AA20270, AA21410 and LCT43-E for use in Information Technology Equipment.

ELECTRICAL RATINGS:

<u>Model</u>	<u>Input</u>	<u>Output</u>
AA20270, LCT43-E	100-240 V ac 1.5 A 50/60 Hz	DC -12 V, 0.5 A max DC +5 V, 7.5 A max DC +12 V, 1.2 A max

Maximum continuous output power is 47 W.

AA21410	100-240 V ac 1.6 A 50/60 Hz	DC -55 V, 1 A max
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Maximum continuous output power is 55 W.

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

General - These units are for use in products where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Both USR and CNR indicate investigation to the harmonized Standard for Safety of Information Technology Equipment, **UL 60950-1, First Edition, CAN/CSA C22.2 No. 60950-1-03**

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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 **First Edition** of the Standard for Safety of Information Technology Equipment **UL 60950-1, First Edition, CAN/CSA C22.2 No. 60950-1-03**, Sub-clause 2.9, and which covers the end-use product for which the components were designed. The operational insulations have been evaluated by conducting Component Failure Tests per Sub-clause 5.4.4(c) of **UL 60950-1, First Edition, CAN/CSA C22.2 No. 60950-1-03**.
2. These power supplies have only been evaluated for use in a pollution degree 2 environment.
3. Considerations shall be given in measuring the temperature of power electronic components: inductors and transformer windings when the power supplies are installed in the end-use equipment.
4. The secondary output connectors have not been evaluated for field connections.
5. The secondary outputs of these power supplies are unearthed non-energy hazard SELV. Method 1 Sub-Clause 2.3.3.1 per **UL 60950-1, First Edition, CAN/CSA C22.2 No. 60950-1-03** were used to maintain the insulation of SELV from primary circuits.
6. These power supplies have been evaluated for use in Class I equipment as defined in **UL 60950-1, First Edition, CAN/CSA C22.2 No. 60950-1-03** and shall be properly earthed or bonded to earthed ground 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 supplies have been evaluated for use in 25°C and 50°C ambient.
8. *These power supplies were evaluated with the assumption that the power source is a TN system as defined by **UL 60950-1, First Edition, CAN/CSA C22.2 No. 60950-1-03**.
9. A suitable enclosure shall be provided by the end system.
10. For Models AA20270 and LCT43-E, transformer T1 employs Class F Electrical Insulation System. For Model AA21410, transformer T1 employs Class B Electrical Insulation System.

11. These power supplies have only been evaluated under a specific ventilation setup with forced air cooling. Refer to ILL. 4 for ventilation setup.
12. These power supplies were classified as level 3 as defined by **UL 60950-1, First Edition, CAN/CSA C22.2 No. 60950-1-03.**