

File E186249
Project 08CA37171

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REPORT

On

POWER SUPPLIES, INFORMATION TECHNOLOGY EQUIPMENT
INCLUDING ELECTRICAL BUSINESS EQUIPMENT

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Quezon City, Philippines

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DESCRIPTION

PRODUCT COVERED:

USR, CNR Component - AC-DC Converter, Model AIT00ZPFC-01 for use in Information Technology Equipment.

ELECTRICAL RATINGS:

MODEL	INPUT	OUTPUT
AIT00ZPFC-01	AC 100-122V, 50-800 Hz 2.1 A	DC +393 V, 150 W

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

General - The unit is for use in products where the acceptability of the combination is determined by Underwriters Laboratories Inc.

*Both USR and CNR indicate investigation to the Standards for Safety of Information Technology Equipment, **CAN/CSA-C22.2 No. 60950-1-07, Second Edition, including revisions through revision date March 27, 2007 & UL 60950-1, Second Edition, including revisions through revision date March 27, 2007.**

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

- *1. This AC-DC converter has been judged on the basis of the required creepages and clearances in the First Edition of the Standard for Safety of Information Technology Equipment, **CAN/CSA-C22.2 No. 60950-1-07, Second Edition, including revisions through revision date March 27, 2007 & UL 60950-1, Second Edition, including revisions through revision date March 27, 2007** Sub-clause 2.10, which covers the end-use product for which the component was designed. The functional insulations have been evaluated by conducting Component Failure Test per sub-clause 5.3.4 (c) of **CAN/CSA-C22.2 No. 60950-1-07, Second Edition, including revisions through revision date March 27, 2007 & UL 60950-1, Second Edition, including revisions through revision date March 27, 2007**
- *2. This AC-DC converter has been evaluated for use in Class I equipment as defined in **CAN/CSA-C22.2 No. 60950-1-07, Second Edition, including revisions through revision date March 27, 2007 & UL 60950-1, Second Edition, including revisions through revision date March 27, 2007** and must be properly earthed or bonded to the earth ground in the end-use
3. This AC-DC converter has been evaluated for use with a maximum baseplate temperature of 100°C.
4. This AC-DC converter has no in-line fuse. The end product must provide for protection a fuse (JDYX2), Hollyland Co Ltd, Type 50CF, rated 4 A, 250 V. Further evaluation must be considered if the end product provides another fuse.
5. A suitable electrical, fire and mechanical enclosure shall be provided by end-use equipment.
6. A readily accessible disconnect device shall be incorporated in the end product supplying input power to these power supplies.

7. The output of the product is considered Hazardous Voltage. During operation, the operator must not touch this voltage.
8. This AC-DC converter has only been evaluated for use in pollution degree 2 environment.
9. The spacing inside this AC-DC converter is filled by insulating compound, which is cemented and jointed in the Enclosure.
- *10. This AC-DC converter can be operated at an elevation of up to 3000 meters above sea level. Annex G of **CAN/CSA-C22.2 No. 60950-1-07, Second Edition, including revisions through revision date March 27, 2007 & UL 60950-1, Second Edition, including revisions through revision date March 27, 2007** was used in determining the clearance requirement.
11. This product is not intended to be repaired by service personnel in case of failure or component defect (the unit can be discarded).
12. This AC-DC converter maintains basic insulation between input circuit and baseplate and between output circuit and baseplate.
13. Proper bonding to the end-product main protection earthing termination is required.
14. An investigation of protective bonding terminals has been conducted.