DESCRIPTION

PRODUCT COVERED:

USR, CNR Component - Switching Power Supplies, Model AIT02ZPFC-01, for use in Information Technology Equipment.

ELECTRICAL RATINGS:

MODELS	INPUT	OUTPUT
AIT02ZPFC-01	AC 100–180 V 50/800 Hz 5A maximum.	+393 V dc, 0.814A Maximum continuous output power shall not exceed 320 W.
	AC 200-240 V 50/800 Hz 5A maximum	+393 Vdc, 1.832A Maximum continuous output power shall not exceed 720 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 Standard for Safety of Information Technology Equipment, UL 60950-1, First Edition, CAN/CSA C22.2 No. 60950-1-03.

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

1. The component has been judged on the basis of the required creepages and clearance in the First Edition of the Standard for Safety of Information Technology Equipment, UL 60950-1, CAN/CSA C22.2 No. 60950-1-03, Sub-clause 2.10, which covers the end-use product of which the component was designed. The functional insulations have been evaluated by conducting Component Failure Test per sub-clause 5.3.4. (C) of UL 60950-1 First Edition, CAN/CSA C22.2 No. 60950-1-03.

2. This power supply has 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 must be properly earthed or bonded to earth ground in the end-use.

3. This power supply has been evaluated for use with a maximum baseplate temperature of 100°C.

4. This product has no in-line fuse. The end product must provide for protection a fuse (JDYX), Littelfuse, Type 314, rated 10 A, 250 V or equivalent.

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 this power supply is considered Energy Hazard. During operation, the operator must not touch this voltage.

8. This power supply has only been evaluated for use in pollution degree 2 environment.

9. The subject product is not intended to be repaired by service personnel in case of failure or component defect (unit can be thrown away).

10. This product maintains basic insulation between input circuit and baseplate and between output circuit and baseplate.

11. The output of this power supply is considered hazardous voltage.

12. The end-product Electric Strength Test is to be based upon a maximum working voltage of: Primary – Earth: 405 Vrms, 415 Vpeak.

13. Proper Bonding to the end-product main protection earthing termination is required.

14. An investigation of protective bonding terminals have been conducted.

15. The spacings filled by insulating compound which cemented jointed in Enclosure.