

File E186249
Project 06CA63252

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REPORT

On

COMPONENT - 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 - DC-DC Converter, Model AEH08U48
for use in Information Technology Equipment.

ELECTRICAL RATINGS:

MODEL	INPUT	OUTPUT
AEH08U48	DC +38- +60 V 11.8 A	DC +53 V, 7.55 A max.

ENGINEERING 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, including Electrical Business 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. This component 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, including Electrical Business Equipment, UL 60950-1 and CAN/CSA C22.2 No. 60950-1-03, 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 UL60950-1 First Edition and CAN/CSA C22.2 No. 60950-1-03.
2. his DC-DC converter has only been evaluated for use in pollution degree 2 environment.
3. suitable fire, mechanical and electrical enclosure shall be provided by end-use equipment.
4. his DC-DC converter has been evaluated for use with a maximum ambient temperature of 55°C.
5. This DC-DC converter is classified as Level 3 as defined by UL60950-1, First Edition / CAN/CSA C22.2 No. 60950-1-03.
6. This DC-DC converter is not evaluated for end system mounting.

7. The DC-DC converter is considered as a secondary component. The DC input of the power supplies shall be separated from the AC mains by reinforced insulation.
8. Additional evaluation must be conducted at end system, if the equipment will be supplied from a battery source.
9. This DC-DC converter has no in-line fuse. The end product must provide for protection fuse (JDYX2), Bel Fuse Inc (E20624), Type MQ, rated 15 A, min. 125 V or Listed fuse (JDYX), rated 15 A, min. 125 V.
10. This DC-DC converter is not intended to be repaired by service personnel in case of failure or component defect (unit can be thrown away).
11. This DC-DC converter maintains basic insulation between secondary input circuits and output circuits and between output circuits and baseplate.
12. There is no insulation provided between Baseplate and primary non-SELV circuit. Additional evaluation must be conducted at end system use.
13. The output of this DC-DC converter is energy hazard, the accessibility of the output should be considered in end system.
14. Air flow of 200LFM was applied for testing.