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REPORT

on

COMPONENT - POWER SUPPLIES, INFORMATION TECHNOLOGY
EQUIPMENT INCLUDING ELECTRICAL BUSINESS EQUIPMENT

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Akita, Japan

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DESCRIPTION

PRODUCT COVERED:

USR, CNR Component - Power Supplies, Model RDEN-048050, filters for use in Information Technology Equipment Including Electrical Business Equipment.

GENERAL CHARACTER AND USE:

Model RDEN-048050 replaces Model MBS4850S. All references below are to the "old" model number.

The units covered by this Report are filters provided with input and output pins for PWB connection to the end use equipment.

MODELS AND RATINGS:

Model	Input		Output	
	Vdc	A	Vdc	A
MBS4850S	76	50	76	50

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

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

USR/CNR indicates investigation to the US and Canadian (Bi-National) Standard for Information Technology Equipment - Safety, Part 1: General Requirements, UL 60950-1/CSA C22.2 No. 60950-1:2003.

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

1. The component has been judged on the basis of the required creepage and clearances in the Standard for Safety of Information Technology Equipment, UL 60950-1/CSA C22.2 No. 60950-1:2003 bi-national standard, which would cover the end use product for which the component was designed.

NOTE IMPORTANT SAFETY CONSIDERATION FOR INSTALLATION:

2. An insulation barrier was not provided in the filter. Subject to installation, the input voltage will be equal to the output voltage. If SELV is applied to the input then SELV will be output. If ELV is applied to the input then ELV will be output. If hazardous voltage is applied to the input then hazardous voltage will be output.
3. All dynamic testing was conducted with the unit loaded to its specified output current of 50A_{dc}. The declared maximum ambient was 55°C at 100% load and 85°C at 40% load.
4. The equipment has been evaluated for use in a pollution Degree 2 environment.
5. The input and output connectors are not acceptable for field connections.
6. As a component part, compliance with the standard will be based upon installation in the final application. Due to the high capacitance value at the input and output, when disconnected care must be taken to protect against inadvertent contact until the input or output is discharged. An external discharge resistor maybe required in the end application dependent on the load applied to this device.
- *7. Overload and short circuit will need to be assessed on the end **product**.
8. Basic insulation was assessed between input and ground and between output and ground at the working voltage. The temperature rating and insulation of the potting material is not relied upon for safety.