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Project 08CA50589

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REPORT

On

POWER SUPPLIES, INFORMATION TECHNOLOGY EQUIPMENT

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DESCRIPTION

PRODUCT COVERED

USL, CNL - Switching Power Supply, Models DA12-120US-M and DA12-120MP-M for use in Information Technology Equipment.

ELECTRICAL RATINGS:

MODEL	INPUT	OUTPUT
DA12-120US-M	AC 100 - 240 V	12 V dc, 1.0 A
DA12-120MP-M	300 mA 50/60 Hz	

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

The unit covered in this Report is switching-mode type power supply and employs isolating type step-down transformer. This unit is a direct plug-in type and provided with non-polarized parallel blades for insertion into a standard receptacle. This unit has a thermoplastic enclosure. The input voltage selection of unit is done automatically by the power supply's internal circuitry.

The output voltage is considered SELV non-energy hazard. A length of flexible cord with thermoplastic insulation and terminated in a non-standard polarized connector is provided for a connection to Information Technology Equipment. This power supply is intended for use in a controlled environment.

*USL and CNL indicate this unit has been found to comply with UL 60950-1, **Second** Edition and CAN/CSA C22.2 No. 60950-1-07.

Special Considerations - The following items are considerations that were used when evaluating this product.

The equipment is considered direct plug-in, Class II equipment, intended for use on TN power system and pollution degree 2 environment.

This unit has been evaluated for use in a 40 °C ambient.

The transformer, T1 employs a Class F electrical insulation system.

The unit has been evaluated as a limited power source.

The unit has been evaluated using 4000 Vac dielectric strength test voltage.

*The unit can be operated in an elevation of maximum 3000 meters above sea level. Annex G of UL 60950-1 & CAN/CSA C22.2 No. 60950-1-07 was used in determining the clearance requirement.

Disconnect Device - The parallel blades of this unit is considered as the disconnect device.