

File E137006
Project 00NK4337

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REPORT

ON

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

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DESCRIPTION

PRODUCT COVERED:

USR, CNR - Switching Power Supply Model AN-327.xxx.xx and AN-322.xxx.xx (30 W Version) and alternative Model Numbers ML50.xxx-yy, ML30.xxx-yy.

ELECTRICAL RATING:

Model	Input			Output, (dc)	
	V	A	Hz	V d.c.	W
AN-327.xxx.xx or ML50.xxx-yy	100-240 V ac	≤1 A	50-60 Hz	24-48	50
AN-322.xxx.xx	100-240 V ac	≤1 A	50 - 60 Hz	5-48	30
ML30-xxx-yy	100 - 240 V ac	≤1 A	50 - 60 Hz	+/- 12 - 15	36W

xxx and yy stands for customer specific versions, not safety relevant.

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

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

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

USR/CNR indicates investigation to the U.S. and Canadian (Bi-National) Standard for Safety of Information Technology Equipment, CAN/CSA-C22.2 No. 60950-95 * UL 60950, Third Edition dated Dec. 2000.

The component/equipment was submitted by the manufacturer for use in a maximum air ambient of 60°C.

The equipment is:

for building in, Class I (earthed), intended for use on TN and IT power systems.

Conditions of Acceptability - When installed in the end product, consideration shall be given to the following:

1. This component has been judged on the basis of the required spacings in the Standard for Information Technology Equipment, Including Electrical Business Equipment, CSA C22.2 No.60950 * UL 60950 Third Edition.
2. The product was tested on a 15 A branch circuit. If used on a branch circuit greater than this, additional testing may be necessary.
3. The outputs are SELV, non hazard energy level and fulfill the requirements of limited power source according the NEC and UL60950 clause 2.11 and UL3101 Annex F.
4. The terminals are suitable for field wiring.
5. The power supply shall be properly bonded to the main protective earthing termination in the end product.
6. Magnetic device (e.g. transformer, inductor) T1 employs an (OBJY2) electrical insulation system Class F-1 or F-2.
7. The maximum working voltage present is 592 V peak, 335 V RMS. The electric strength tests for the Power Supply shall be based on this value.
8. The equipment has been evaluated for use in a Pollution Degree 2 environment.
9. A suitable Fire and Mechanical enclosure shall be provided.
10. The following components should be given special consideration during end-use Heating tests because of temperatures achieved during component level testing:

<u>Component</u>	<u>Model</u>	<u>Maximum Temperature Achieved</u>
Transformer T1		82°C at 23°C ambient
Inductance L101		95°C at 23°C ambient

CONSTRUCTION DETAILS:

See Section General for additional details.

Electrical Ratings - Not required.

Interconnecting Cables - Not provided unless specifically described.

Labeling Materials - Permanently ink stamped, hot stamped, silk screened or provided as label, label employed is a Recognized Component. Marking and Labeling System suitable for application to the surface involved and having minimum operating temperature of 80°C.

* Model Differences - x and y stands for customer specific versions.