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File E137006 Project 99NK33835

December 7, 1999

TREPORT

on

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

Puls Elektronische Stromversorgungen GmbH Munich, Federal Republic of Germany

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and Report

DESCRIPTION

PRODUCT COVERED:

USR/CNR Switching Power Supply, Models SL20.xxx, where x may be any

alphanumeric character or blank.

ELECTRICAL RATING: (Optional)

Type	Model	Input, ac			Output, do	
		V	A	Hz	V	W
A	SL20.axx	400	1.5	50/60	12-48	480
		500	1.5	50/60	12-43	480
В	SL20.bxx	230	5	50/60	12-48	480
С	SL20.cxx	100-120/ 220-240	10/5	50/60	12-48	480

axx: Model 5L20.300 and 5L20.303-306 is a three phase, 400 V ac input voltage unit.

Model SL20.301 and SL20.307-309 is a three phase, 500~V ac input voltage unit.

Model SL20.6xx is a three phase, 400 V ac input voltage unit and stands for customer specific versions.

bxx: Model SL20.100-109 is a single phase, 230 V ac input voltage unit.

Model SL20.5xx is a single phase, 230 V ac input voltage unit and stands for customer specific versions.

Model SL20.7xx is a single phase, 230 V ac input voltage unit and stands for customer specific versions.

cxx: Model SL20.110-119 is a single phase unit, autorange.

Model SL20.8xx is a single phase unit, autorange and stands for customer specific versions.

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

Use - For use only in (or with) 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. 950-95 and UL 1950, Third Edition, including revisions through revision date June 22, 1998, which are based on the Fourth Amendment to IEC 950, Second Edition.

The component was submitted by the manufacturer for use in a maximum air ambient of $60\,^{\circ}\text{C}$.

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. 950 and UL 1950 Third Edition. The Power Supply fulfills in addition the requirements of UL 3121 Industrial Process Equipment.
- 2. The product was tested on a 16 A branch circuit. If used on a branch circuit greater than this, additional testing may be necessary.
- 3. The secondary output circuits are SELV and are at hazardous energy levels.
 - The terminals and connectors are approved 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 designated Class F1.
- 7. The equipment has been evaluated for use in a Pollution Degree 2 environment.
 - A suitable Fire Enclosure shall be provided.