

File E161936
Project 97SC00779

August 13, 1997

REPORT
ON

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

Nihon Protector Co., Ltd.
Osaka, Japan

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DESCRIPTIONPRODUCT COVERED:

*USR, Component - Power Supply, Models PCSA-250-H12x, PCSA-250-H1xx, and PCSA-250-H11x, where the "x" represents any number 0-9 or blank and "xx" represents any number 01-09- or blank.

ELECTRICAL RATINGS:

Model	Input (ac)	Output
PCSA-250-H1xx	115-230 V, 7.6-3.8 A, 50/60 Hz	a) 115-230 V ac, max. 4.4-2.2 A b) See Table below
PCSA-250-H11x	115-230 V, 3.2-1.6 A, 50/60 Hz	See Table below
PCSA-250-H12x	115-230 V, 7.6-3.8 A, 50/60 Hz	a) 115-230 V ac, max. 4.4-2.2 A b) See Table below

Output (ac)						
	0 - 40 °C		47.5 °C		55 °C	
V	A	W (Max.)	A	W (Max.)	A	W (Max.)
+5	2-25	Total 245	2-20	Total 196	2-15	Total 147
+12	0.5-12		0.5-9.6		0.5-7.2	
-5	0-0.5	2.5	0-0.4	2	0-0.3	1.5
-12	0-0.5	6	0-0.4	4.8	0-0.3	3.6
+5 AUX	0.05	0.25	0-0.04	0.2	0-0.03	0.15

The +5 AUX output is optional for Model PCSA-250-H12x.

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

USR indicates investigation to the U.S. Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment, UL 1950, Third Edition, dated July 28, 1995, including revisions through revision date July 16, 2003.

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

The component was submitted by the manufacturer for use in a maximum air ambient of 55°C.

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

The equipment is considered: movable, Class I (earthed), pluggable Type A and/or B, intended for use on a TN power system.

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 Standard for Information Technology Equipment, Including Electrical Business Equipment, UL 1950, which would cover the component itself if submitted for Listing.
2. All secondary outputs are SELV and are not hazardous energy levels.
3. The connectors have not been evaluated for field wiring.
4. Total maximum output power of "+5 V dc" and "+12 V dc" circuits shall not exceed 245 W at maximum air ambient of 40°C, 196 W at 47.5°C and 147 W at 55°C.
5. This power supply has only been evaluated for use in a pollution degree 2 environment.
6. The maximum load, "Maximum 4.4 A, 115 V ac, Maximum 2.2 A, 230 V ac" or equivalent, of power outlet shall be marked adjacent to the outlet in the end-product.
7. Refer to specification sheet for additional loading options. Loading options are specified in ILL. 1.
8. The maximum working voltage measured was 386 V rms with a 766 V pk. Consideration should be given to the rms value when calculating the Electric Strength test value in the end-product.