

DESCRIPTION

PRODUCT COVERED:

USR/CNR, Component - Switching Power Supply Information Technology Equipment, Including Electrical Business Equipment, Models HPS10X-XXX-XXX-XXX, HPS12X-XXX-XXX-XXX, and HPS15X-XXX-XXX-XXX where X is any alphanumeric character.

ELECTRICAL RATINGS:

Model	Input AC			Output dc		
	V	A	Hz	V	A	W (Max)
HPS10	100-240	19 A	50/60/400	V1 21-60 V2 2.5-5.5	16.66-57.8 5	1027.5
HPS12	100-240	19 A	50/60/400	V1 21-60 V2 2.5-5.5	16.66-57.8 5	1277.5
HPS15	120-240	18 A	50/60/400	V1 21-60 V2 2.5-5.5	71.42 - 25 5	1527.5

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

USR/CNR indicates investigation to the U.S. and Canadian (Bi-National) Standard for Safety of Information Technology Equipment, CSA C22.2, No. 60950, UL 60950, Third Edition, dated December 1, 2000.

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 and tested for a maximum manufacturer's recommended ambient (Tmra) as follows:

De-rating for HPS10/12:

30°C = V1 output loaded to 1100 W at 85 V, 1250 W at 264 V to 90 V.
 40°C = V1 output loaded to 1050 W at 85 V, 1250 W at 264 V to 95 V.
 50°C = V1 output loaded to 1000 W at 85 V, 1250 W at 264 V to 100 V.
 70°C = V1 output loaded to 625 W at 85 V to 264 V.

De-rating for HPS15:

50°C = V1 output loaded to 1500 W at 108 V to 264 V.
 70°C = V1 output loaded to 750 W at 108 V to 264 V.

The equipment is: Movable, for building in, Class I (earthed), pluggable Type B at 400 Hz and Pluggable Type A at 50/60 Hz, uses detachable power cord, intended for use on TN Power Systems.

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

1. This component has been judged on the basis of the required spacings in the U.S. and Canadian (Bi-National) Standard for Safety of Information Technology Equipment, CSA C22.2, No. 60950 * UL 60950, Third Edition, dated December 1, 2000.
2. The products were tested on a 30 A branch circuit. If used on a branch circuit greater than this, additional testing may be necessary.
3. The maximum working voltage present is 385 V rms; 456 V pk. The Electric Strength Tests in the end-product shall be based on this value.
4. A suitable electrical and fire enclosure shall be provided in the end-use.
5. The terminals and connectors have not been evaluated for field wiring.
6. These power supplies were evaluated for connection to a TN power system.
7. This power supply is considered a Class I product. The power supply shall be properly bonded to the main earthing termination in the end-use.
8. The outputs of these power supplies are (SELV) and the 5 V output is at hazardous energy levels.
9. Main Fuses located after electromagnetic filtering components. Consideration should be given to providing external Branch Circuit Protection and providing the following marking: "CAUTION - DOUBLE POLE/NEUTRAL FUSING".
10. The equipment has been evaluated for use in a Pollution Degree 2 environment.
11. Bonding terminals provided on this equipment have not been evaluated as protective earthing terminals.
12. This power supply has primary, isolated outputs that exceed 240 VA at a potential of 2 V or more.
13. All isolating transformers employ a Class F electrical insulation system. Inductors L1, L2, L3, L4, L5, and L6 employ R/C Insulation Systems (OBJY2), each designated Class H (180).

14. These power supplies have been evaluated for operation up to an altitude of 3050 meters above sea level.