

DESCRIPTION

PRODUCT COVERED:

*USR, CNR Component - Switching Power Supplies, Models HPS35L-NNR-000 and HPS35W-NNR-000 ,HPS35X-NNR-000 **and HPS35Q-NNR-000** for use in Information Technology Equipment.

ELECTRICAL RATINGS:

MODEL	INPUT	OUTPUT
HPS35L-NNR-000	100 - 240 V ac 6 A 50/60 Hz	+12 V dc, 29.17 A max. 350 W max.
HPS35L-NNR-000	100 - 240 V ac 6 A 50/60 Hz	+12 V dc, 24 A max. 288 W max.
HPS35W-NNR-000	100 - 240 V ac 6 A 50/60 Hz	+48 V dc, 7.29 A max
HPS35X-NNR-000	100 - 240 V ac 6 A 50/60 Hz	+54.4 V dc, 6.43 A max
HPS35Q-NNR-000	100 - 240 V ac 6 A 50/60 Hz	+24 V dc, 14.58 A max

Maximum continuous output power is 350 W. Maximum continuous output power is 288 W for HPS35L-NNR-000 with low speed fan.

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

General - The units are for use in product where the acceptability of the combination is determined by Underwriters Laboratories Inc.

Both USR and CNR indicate investigation to the Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment, UL 60950-1, First Edition and CAN/CSA C22.2 No. 60950-1-03.

Conditions of Acceptability - When installed in the end-use equipment, the following are the considerations to be made:

1. These components have been judged on the basis of the required creepages and clearances in the First Edition of the Standard for Safety of Information Technology Equipment Including Electrical Business Equipment, UL 60950-1, First Edition and CAN/CSA C22.2 No. 60950-1-03, Sub-clause 2.10, which covers the end-use product for which the components were designed. The functional insulations have been evaluated by conducting Component Failure Tests per Sub-clause 5.3.4 (c) of UL 60950-1, First Edition and CAN/CSA C22.2 No. 60950-1-03.

2. **These power supplies have only been evaluated for use in Pollution Degree 2 environment.**
3. These power supplies were evaluated with the assumption that the power source is a TN system as defined by UL 60950-1, First Edition and CAN/CSA C22.2 No. 60950-1-03.
4. Suitable enclosures shall be provided by end use equipment.

5. The secondary outputs of these power supplies are unearthed energy hazard SELV. Sub-clause 2.2.3.1 of UL 60950-1, First Edition and CAN/CSA C22.2 No. 60950-1-03, were used to maintain the insulation of SELV from primary circuits.
6. These power supplies have been evaluated for use in Class I equipment as defined in UL 60950-1, First Edition and CAN/CSA C22.2 No. 60950-1-03, and shall be properly earthed or bonded to earth in the end-use. An additional evaluation shall be made if the power supplies are intended for use in other than Class I equipment.
7. These power supplies have been evaluated for use in 25°C, 50°C and 70°C ambient.
8. These power supplies are reclassified as Level 5 as defined by UL 60950-1, First Edition and CAN/CSA C22.2 No. 60950-1-03.
9. Handle temperature shall be evaluated in the end system mounting.
10. The input/output connector has not been evaluated for field connection.
11. *The output for Models HPS35L-NNR-000, HPS35W-NNR-000 , HPS35X-NNR-000 **and HPS35Q-NNR-000** have exceeded 240 VA (energy hazard). When installing into end system, care must be taken that the output may not be touched.