File E122529

DESCRIPTION

PRODUCT COVERED:

USR, CNR Component – Transformer, Models VPTZZZ-WWWWWWX, where ZZZ is 12 to 230, WWWWWW is from 110 to 250000, X may be blank, were evaluated to the construction requirements for:

General Purpose Transformers, UL 506 Twelfth Edition.

GENERAL:

These devices are toroidal type transformers where the primary (with manufacturer specification: parallel connection for 115 V ac, series connection for 230 V ac) are connected across the primary/supply circuit. These devices are provided with secondary windings (with manufacturer specification: maximum 3000 VA, parallel connection for 115 V ac, series connection for 230 V ac) which are electrically isolated from the primary winding.

USR - Indicates investigation to the U. S. Standard for Safety of Specialty Transformers, UL 506, Twelfth Edition.

CNR - Indicates investigation to the Canadian Standard for the Safety of Specialty Transformers, CSA C22.2 No. 66-1988.

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

Use - The transformers covered by this Report are intended for use in end-product equipment where the suitability of the combination is to be determined by Underwriters Laboratories Inc.

Conditions of Acceptability - The following items are to be considered when evaluating the transformer in the end-use product.

1. An enclosure must be provided to provide mechanical protection for the transformer and to prevent user contact with uninsulated live parts.

2. The transformer employs a Class 105(A) insulation system.

3. The transformer complies with the construction requirements of UL 506 Twelfth Edition. The Dielectric Voltage Withstand, Induced Potential, and Dielectric Voltage Withstand Test on Insulating Material Used In Lieu of Electrical Spacings Tests were performed to verify isolation. Since the transformer was evaluated for construction only, all performance tests should be conducted in the end-use product.

4. The acceptability of the length, routing, and AWG wire size of primary and secondary leads shall be determined in the final application.

5. Insulation is provided between the primary and secondary windings based on a maximum working voltage of 230 V rms.

6. The suitability rating of thermal cutoff shall be determined in the final application.

7. The acceptability of the mounting means shall be determined in the final application.