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TOYOZUMI DENGENKIKI CO LTD E209256
4-16-1 KOISHIKAWA
BUNKYO-KU, TOKYO 112-0002 JAPAN

Class 155 (F) insulation system, designated 20.

Marking: Company name, system designation and Recognized Component Mark for Canada .

Last Updated on 2008-10-14

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The devices covered under this category are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. THE FINAL ACCEPTANCE OF THE COMPONENT IS DEPENDENT UPON ITS INSTALLATION AND USE IN COMPLETE EQUIPMENT SUBMITTED TO UNDERWRITERS LABORATORIES INC.

USE

This category covers combinations of insulating materials arranged to form an insulation system such as that used in magnetic devices, such as motors, transformers, solenoids, etc. Also included are coated core (integral ground) insulation constructions .

Insulation systems rated greater than 105 ° C (A) have been tested to demonstrate their acceptability for use at a specified temperature class by either the thermal aging programs of Underwriters Laboratories Inc. or an equivalent consideration.

For insulation systems rated at 105 ° C (A) or less, the insulation systems have been qualified by a modified version of the aforementioned thermal aging programs.

Coated core constructions are additionally examined and tested to determine the insulating qualities of the coating and that the coating can be applied with uniform thickness and has the ability to adhere to the substrate.

Unless otherwise specified in the individual Recognitions, the insulation system has been investigated for use at a rated voltage corresponding to the low-voltage distribution network where transient overvoltages are limited and partial discharge is not likely to contribute to the degradation of the insulation system. This application is consistent with systems extending from the consumer's service in low-voltage or extra-low voltage applications at not more than 750 V according to CAN/CSA-C22.1, "Canadian Electrical Code, Part I."

CONDITIONS OF ACCEPTABILITY

Unless specified otherwise in the individual Recognitions, consideration is to be given to the following Conditions of Acceptability when these components are employed in the end-use equipment:

1. End-product constructional details and test performance are not covered under this category; such investigations are found in the end-product standards under which the products are examined and tested.

2. Special chemical environments, such as refrigerants, oils, soaps, x-ray, ultraviolet light, etc., are not covered under this category.

3. The acceptability of construction features of the transformer, motor or coil assemblies produced with these insulation systems, such as spacings, insulation thicknesses (greater than those specified under "Construction Details" in the individual Reports for the insulation systems), thickness and voltage rating of lead insulation (if applicable), etc., shall be determined in the end-use application.

Additional Conditions of Acceptability may be specified in the individual Recognitions.

REQUIREMENTS

These products have been investigated to comply with the requirements of CAN/CSA-C22.2 No. 0, "General Requirements - Canadian Electrical Code, Part II, Appendix B."

UL MARKING

Components Recognized under UL's Component Recognition Program are identified by markings consisting of the Recognized company's identification and catalog, model, or other product designation. In addition, components produced under the UL Component Recognition Program will also bear the Recognized Component Mark for Canada .

The Listing or Classification Mark of Underwriters Laboratories Inc. is not authorized for use on, or in connection with, Recognized Components. Only those components that actually bear the "Marking" should be considered as being covered under the Component Recognition Program.

* *

UL, in performing its functions in accordance with its objectives, does not assume or undertake to discharge any responsibility of the manufacturer or any other party. UL shall not incur any obligation or liability for any loss, expense or damages, including incidental or consequential damages, arising out of or in connection with the use, interpretation of, or reliance upon this Guide Information.

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