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**NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC
OF CHINA**

中华人民共和国国家标准

GB/T 22719.2-2008

**Interturn insulation of random-wound winding for
AC low-voltage electrical Machines**

—Part 2: Test limits

交流低压电机散嵌绕组匝间绝缘

第 2 部分：试验限值

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Foreword

GB/T 22719 Interturn insulation of random-wound winding for AC low-voltage electrical machines consists of following two parts:

- Part 1: Test methods;
- Part 2: Test limits

This is Part 2 of GB/T 22719.

Annex A of this Part is informative annex.

This Standard is proposed by China Electrical Equipment Industry Association (CIBB).

This Standard is under the jurisdiction of National Technical Committee (SAC/TC 26) on Electric Rotating Machinery of Standardization Administration of China.

The responsible drafting organizations are Shanghai Electrical Apparatus Research Institute (Group) Co., Ltd, Shanghai Electrical Apparatus Co., Ltd, Shanghai Sea Eagle Electromechanical Test Equipment Factory, Jiangmen Sincere Reduction Gear Factory Co., Ltd, Zhejiang Jinlong Electrical Machinery Stock Co., Ltd, Suzhou Jufeng Insulating Material Co., Ltd and Shanghai Shenfa Detecting Instrument Factory.

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This Part is issued for the first time.

AC Low Voltage Motor Loose Winding Inter-turn Insulation

Part 2: Test Limit

1 Scope

The part of GB/T 22719 specifies the test parameters of the AC loose winding inter-turn insulation test, test limits and the allowable value of the test waveforms difference quantity when doing the automatic test discrimination.

The part applies to the 3-phase or single phase of AC motor loose winding inter-turn insulation test which nominal voltage is no more than 1140V.

2 Normative References

The articles contained in the following documents have become this part of GB/T 22719 when they are quoted herein. For the dated documents so quoted, all the modifications (excluding corrections) or revisions made thereafter shall not be applicable to this Standard. For the undated documents so quoted, the latest editions shall be applicable to this Standard.

GB 755-2008 Rotating electrical machines - Rating and performance (IEC 60034-1: 2004, IDT)

GB/T 8170-1987 Rules for rounding off of numerical values

JB/T 9615.1-2000 Test methods of the interturn insulation on random wound winding for AC low-voltage machines

3 Terms and Definitions

For the purpose of this part, the following terms and definitions apply.

3.1

Comparison parameter

The parameters used for comparing the test waveforms difference quantity in the shock waveform comparison method.

3.2

Waveform area difference

The difference of the areas (see figure 1) covered by the two test waveform curves and their corresponding x-coordinate (t) in the tested windings (or coils) or the benchmark windings (or coils) at any specified comparison discrimination interval.



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