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

GB/T 23752-2009

**Hollow pressurized and unpressurized ceramic and glass
insulators for use in electrical equipment with rated voltages
greater than 1 000 V**

额定电压高于1000V的电器设备用承压和非承压空心瓷和玻璃绝缘子

(English Translation)

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Foreword

This revised standard adopts IEC 62155:2003 "rated voltages higher than 1000V electrical equipment with pressurized and non-pressurized hollow porcelain and glass Glass insulator "(in English).

This standard and IEC 62155:2003 as compared to doing some technical modifications, at a single vertical line (|) in Chapter they involved Identification of the margin and added to Appendix E to illustrate these changes and their causes.

For ease of use, this standard made the following editorial changes.

"," --- With a decimal point instead of a comma as the decimal point, "";

--- Remove IEC 62155:2003 Foreword;

--- "This International Standard" be replaced by "this standard";

--- Canceled IEC 62155:2003 bibliography.

The Rules for drafting standards by GB/T 1.1-2000, text structure and IEC 62155:2003 are identical.

Appendix F gives this standard and IEC 62155:2003 clauses table.

The Standard Appendix A, Appendix B, Appendix C, Appendix D, Appendix E and F are informative appendices.

The standard proposed by China Electrical Equipment Industrial Association.

This standard by the National Standardization Technical Committee Insulators (SAC/TC80) centralized.

This standard is mainly drafted by. Xi'an Institute of Electric Porcelain Co., Ltd., West An Shuangjia high-voltage ceramic Electric Co., Ltd., Hunan Liling Huaxin Porcelain Electric Co., the National Insulator arrester Quality Supervision and Inspection Center, Xi'an High Voltage Apparatus Research Institute Co., Ltd., Chongqing School, New Northeast Electric (Shenyang) High Voltage Switchgear Co., Ltd., Nanjing Electric (Group) Co., Ltd.

1.1 General

This standard applies to.

- Electrical equipment in general-purpose hollow porcelain and glass insulators;
- Switch and gas pressure control equipment and long-term bear hollow porcelain insulators.

These insulators for AC rated voltage less than 1000V, frequency no greater than 100Hz or DC rated voltage not less than 1500V Indoor and outdoor electrical equipment.

Hollow insulators suitable electrical equipment for example as follows.

- breaker;
- Isolation switch;
- Load switch;
- Grounding switch;
- Transformers;
- lightning arrester;
- casing;
- Cable terminal;
- Capacitors.

This standard does not specify electrical type tests, it is because a part of the insulator is composed of electrical equipment, withstand voltage is not absolutely hollow Edge sub own characteristics, but the characteristics of the device.

1.2 General-purpose hollow insulators or hollow insulating member

Hollow glass or porcelain insulators or insulating parts applicable to.

- Not under pressure;
- Long withstand internal pressure $\leq 50\text{kPa}$ (gauge pressure);

--- Long withstand internal gas pressure > 50kPa (gauge pressure), but the lumen volume 50kPa (Table Pressure), while the cavity volume $\geq 1\text{L}$ (1000cm³).

NOTE: The gas may be dry air, an inert gas such as nitrogen or sulfur hexafluoride gas, or a mixture of such gases.