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

GB/T 2900.8-2009

Replacing GB/T 2900.8-1995

Electrotechnical terminology -- Insulators

电工术语 绝缘子

(English Translation)

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Foreword

This section GB/T 2900 Part 8. This section identical with IEC 60050-471:2007 "International Electrotechnical Vocabulary Chapter 471 Part I. insulator "(in English).

No entry in this section in terms of IEC 60050-471:2007 consistent.

This Part replaces GB/T 2900.8-1995 "Electrical insulators term." this section compared with the GB/T 2900.8-1995 main changes are as follows.

--- Adds seven new terms. Plug-in casing through walls (top) casing, the end fitting, polymer insulator, body, umbrella Sets, unified creepage distance;

--- Remove the two terms. the stabilization insulator fastening device;

--- Modify some of the terms and definitions.

This part of the National Electrotechnical Terminology Standardization Technical Committee (SAC/TC232) and focal points.

This section is drafted. Xi'an Ceramic Institute, Mechanical Science Research Institute of Machine Productivity Promotion Center, Chongqing University, Tsinghua University, Shanghai Electric Porcelain Factory, State Grid Wuhan High Voltage Research Institute, Chinese Academy of Sciences electricity.

1 Scope

This section provides a general term used in the art insulators.

The term set forth in section IEC 60050 series of standards of the International Electrotechnical Vocabulary (IEV) to other parts of the existing term and coordinated.

This section applies to the field of technology and technology-related insulator.

2.1 General terms

471-01-01

Insulator between two metal parts with a normal operating voltage of the shortest distance from the external space.

471-01-02

Insulation of at least two components, namely the core and sleeve made parachute and fitted with end fittings of the insulator.

NOTE: composite insulators can be made, such as a plurality of single umbrella cover on the core (with or without an intermediate sheath), or one or several sets of umbrella directly molded or cast

Note on the core.

471-01-03

Insulator center of the insulating member, to provide mechanical properties.

Note: The umbrella cover umbrella and are not part of the core.

471-01-04

Insulator between the conductive member is applied to the normal operating voltage of the shortest distance along the surface or the shortest distance and.

Note 1: cement or other non-insulating material glued surface creepage distance can not be counted.

Note 2: If the insulator has a high resistivity layer applied to the insulating member, the insulating member as valid an insulating surface, the surface counted from the creepage distance.

471-01-05

Under load applied perpendicularly to the axis of the insulator, the insulator perpendicular to a point measured in the axial direction of the insulator displacement.

471-01-06

Or constituent elements constituting the insulator member for connecting to the insulator support structure, conductor, insulator, or another device.

Note 1: If the end fitting of metal, generally used "metal fittings" of the term.

Note 2: This comment applies only to the French text.

471-01-07

The insulator and the outer surface along one of its cross-cutting discharge, under normal circumstances, bear the operating voltage between the electrical connection means.

471-01-08

Both ends of the feedthrough insulator, umbrella or umbrella, including end fittings.

Note: The hollow insulator by one or more insulating elements permanently assembled.

GB/T 2900.8-2009/IEC 60050-471:2007