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

GB/T 2314-2008

Replacing GB 2314-1997

General technical requirements for electric power fittings

电力金具通用技术条件

(English Translation)

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Foreword

This revised standard adopts IEC 61284:1997 "--- overhead line fittings and test requirements", taking into account the specific situation of China, by Plus preformed fittings mechanical test content.

This standard and IEC 61284:1997 as compared to the following main differences.

--- This standard is not included in the definition entry, these definitions are given in GB/T 5075 in;

--- Appearance quality fittings of the technical requirements;

--- Given the suspension clamp, Clamp technical requirements;

--- Magnetic loss test is not included.

This standard replaces GB 2314-1997 "General technical requirements for electric power." this standard compared with GB 2314-1997, mainly with the following modifications.

--- Integrating GB/T 2317.4-2000 "on electrical fittings marking and packaging" content to this standard;

--- 1997 version due to industrial upgrading and technological progress involved in part the technical requirements have been revised.

Appendix A of this standard is an informative annex.

The standard proposed by China Electricity Council.

The standard overhead lines by the National Standardization Technical Committee (SAC/TC202) centralized.

1 Scope

This standard specifies the overhead power lines, substations and power plants with power distribution equipment fittings (hereinafter referred to as fittings) in the design, manufacture and safety Means such as the use of the general technical conditions.

This standard applies to the rated voltage of more than 35kV overhead power lines, substations and distribution equipment used in power plant fittings. For serious Corrosion, fittings under filthy environment, high altitude alpine region and other conditions of use still comply with the relevant provisions of other relevant standards.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB/T 196 common thread basic size (GB/T 196-2003, ISO 724:1993, MOD) GB/T 197 common thread tolerance (GB/T 197-2003, ISO 965-1:1998, MOD) GB/T 1804 General tolerances Tolerances for linear and angular dimensions without individual tolerance (GB/T 1804-2000, eqv ISO 2768-1.

1989)

GB/T 2315 electrical fittings nominal breaking load series and coupling dimensions Mechanical test methods GB/T 2317.1 electrical fittings GB/T 2317.2 electrical fittings corona and radio interference test (GB/T 2317.2-2000, neq IEC 61284.1997) GB/T 2317.3 electrical fittings thermal cycling test method GB/T 4056 suspension insulators high voltage lines connected to the structure and size (GB/T 4056-1994, eqv IEC 60120. 1984;

eqv IEC 60471. 1977) GB/T 5075 electrical fittings Terminology DL/T 768.7 electrical fittings manufacturing quality steel parts hot dip galvanized layer DL/T 1098 spacer technical requirements and test methods DL/T 1099 Damper Technical conditions and test methods

3 Basic requirements

3.1

Fitting the pattern should be used according to prescribed procedures approved by the manufacturer.

3.2

Fittings shall be subjected to possible installation, maintenance and operation of the relevant mechanical loads, and can meet the design operating current (including short circuit Flow), operating temperature and environmental conditions and other conditions requirements.

3.3

Fitting of the nominal breaking load and coupling dimensions shall comply with GB/T

2315's.

3.4

Each connecting member fittings should ensure that the operation will not be loose, live line maintenance and associated fittings shall also ensure safety and ease Disassembly.

3.5

Fitting should minimize hysteresis, eddy current losses. Fitting should try to limit the effects of corona. For rated voltages of 330kV and above Fittings, when not using the shielding device, with gold itself should have anti-corona characteristics.

3.6

Fitting materials and production processes should be used to manufacture a predetermined pattern.

3.7

In addition to the appearance of quality fittings factory standard, models and other inscriptions, should also meet the following requirements.