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CCS K45



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

GB/T 14598.300-2017

Replacing GB/T 14598.300-2008

General specification for transformer protection equipment

变压器保护装置通用技术要求

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Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

GB/T 14598 "measuring relays and protection devices" is divided into the following sections.

- GB/T 14598.1 electrical relays Part 23. Contact performance;
- GB/T 14598.2 measuring relays and protection devices Part 1. General requirements;
- GB/T 14598.3 electrical relays Part 5. Measuring relays and protective devices with the requirements of insulation and testing;
- GB/T 14598.4 electrical relays Part 14. Electrical relay contact life test contact excellent load First value
- GB/T 14598.5 electrical relays Part XV. Electrical relay contact life test test equipment characteristics specification;
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- GB/T 14598.26 Measuring relays and protection devices - Part 26. Electromagnetic compatibility requirements;
- Measuring relays and protection devices GB/T 14598.27 Part 27. Product safety requirements;
- GB/T 14598.121 Measuring relays and protection equipment Part 121. Distance protection requirements;
- GB/T 14598.127 Measuring relays and protection devices Part 127. Over/under voltage protection function requirements;
- GB/T 14598.149 Measuring relays and protection devices Part 149. Functional requirements of electric relays;

1 Scope

GB/T 14598.300-2017 is the Chinese national standard on general specification for transformer protection equipment, in the field of electrical engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 29 December 2017 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 July 2018.

Classification: ICS 29.240.30, CCS K45. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This section GB/T 14598 specifies the technical requirements for transformer protection devices, test methods, inspection rules, signs, labels, use Instructions, packaging, transportation, storage, delivery of complete sets and quality assurance. This section applies to power plants and substations voltage level of 750kV transformer protection device (hereinafter referred to as the device), as Device design, manufacture, inspection and operation of the basis.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document. General specifications for computerized premises GB/T 2887-2011

GB/T 2900.17 Electrotechnical terminology measuring relays

GB/T 2900.49 Electrotechnical terminology Power system protection

GB/T 4208-2008 enclosure protection (IP code) Basic test methods for protection and safety automatic devices

GB/T 7261-2016 Computerized site safety requirements GB/T 9361-2011

GB/T 11287-2000 Electrical relays - Part 21. Vibration, shock, bump and earthquakes of measuring relays and protection devices Test Part 1. Vibration test (sine) Technical specifications for relay protection and safety automatic devices Shock and collision tests for measuring relays and protection equipment Measuring relays and protection equipment - Part 1. General requirements GB/T 14598.2-2011

GB/T 14598.24 Measuring relays and protection equipment - Part 24 - Power system transient data exchange (COMTRADE) Use format

GB/T 14598.26-2015 Measuring relays and protection equipment - Part 26. EMC requirements

GB/T 14598.27-2008 Measuring relays and protection equipment - Part 27. Product safety requirements
DL/T 860 (all parts) Substation communication networks and systems

3 Terms and definitions

GB/T 2900.17 and GB/T 2900.49 defined by the following terms and definitions apply to this document.

3.1 Differential protection differential protection By the current transformer on each side, can respond to various short-circuit fault within the transformer area.

3.2 Phased differential protection phased differential protection By the transformer high, medium and low voltage side winding current by phase composition, can respond to a variety of short-circuit fault transformer area.