

ICS 29.120.70
CCS K 45



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

GB/T 14598.8-2008

Replacing GB/T 14598.8-1995

**Electrical relays -- Part 20: Protection systems
(English Translation)**

Issued on: June 18, 2008

Implemented on: March 1, 2009

Issued by: Standardization Administration of China

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Foreword

The partial modification of international standard IEC 60255-20. 1984 "Electrical relays - Part 20. Protection System" (in English).

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

- a) 'this International Standard' to replace the word 'this section';
- b) with a decimal point '. 'Instead of as a decimal point,' ';
- c) Remove the preface to international standards.

This Part replaces GB/T 14598.8-1995 "Electrical relays - Part 20. Protection System." Section compared with the GB/T 14598.8-1995 The main changes are as follows.

- Added "Normative References" chapter and referenced standards;
- Appendix B Note 2 to 3 °;
- Remove the Appendix H.

This section of the Appendix A, Appendix B, Appendix C, Appendix D, Appendix E, Appendix F, Appendix G is an informative annex.

This part is proposed by the China Electrical Equipment Industrial Association.

The measure in part by the National Standardization Technical Committee centralized relays and protection equipment.

This part mainly drafted by. Jicheng Electronics Co., Xuchang Relay Research Institute, XJ Electric Co., Ltd., Nanjing South Swiss Relays Electric Co., Ltd., Beijing Sifang Automation Co., Ltd., Guodian Nanjing Automation Co., Ltd., Beijing Purple measured Control Limited.

1 Scope

GB/T 14598 provisions of this part of the whole protection system and each part of the composition of performance requirements.

This section applies to the protection of the system and its performance impact protection devices and protective devices connected to it.

This section applies to the following objects.

- Protection system or its components manufacturer;
- User protection system;
- Control panel factory;
- Electrical equipment installers;
- Consultant engineer.

Different IEC standard specifies the technical requirements for the various components of the protection system, prepare the relevant parts of this section refers to these standards.

Appendix A lists a block diagram of a protection system, the figure also shows the development of the various components of the system to protect the relevant technical specifications

IEC technical committees.

Decided to recommend that the user should be made consistent with the provisions related

to the technical committees, these technical committees of the whole protection system be responsible for.

2 Normative references

The following documents contain provisions which, through reference GB/T 14598 in this section constitute provisions of this section. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

GB/T 2900.49-2004 Electrotechnical terminology - Power System Protection (IEC 60050-448:1995, IDT) GB 1207-2006 electromagnetic voltage transformer (IEC 60044-2:2003, MOD) GB 1208-2006 current transformers (IEC 60044-1:2003, MOD) GB/T 8367 Measuring relays and protection equipment and auxiliary energizing quantity interrupt AC component (ripple) (GB/T 8367-1987, eqv IEC 60255-11. 1980) GB/T 14047 for measuring relays and protection equipment (GB/T 14047-1993, idt IEC 60255. 1988) GB/T 14598.1 Electrical relays - Part 23. Contact performance (GB/T 14598.1-2002, IEC 60255-23:1994, IDT) GB/T 14598.3-2006 Electrical relays - Part 5. Measuring relays and protection equipment insulation coordination requirements and tests (IEC 60255-5:2000, IDT) GB/T 14598.7 Electrical relays - Part 3. dependent or independent time Single input energizing quantity measuring relays (GB/T 14598.7-1995, idt IEC 60255-3. 1989) GB/T 14598.13 Electrical relays - Part 22-1. Electrical disturbance tests for measuring relays and protection equipment --- 1MHz Burst immunity test (GB/T 14598.13-2008, IEC 60255-22-1:2007, MOD) GB/T 15166 (all parts) AC high voltage circuit breakers