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

GB/T 15510-2008

Replacing GB/T 15510-1995

**General rules for reliability test of electromagnetic relay for
control circuits**

控制用电磁继电器可靠性试验通则

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Foreword

The standard in the preparation of the format and rules in line with GB/T 1.1-2000 "Standardization Guide Part 1. The structure and coding standards Write Rules "requirements. This standard replaces GB/T 15510-1995 "control electromagnetic relay rules for reliability test." This standard and GB/T 15510-1995 compared to the main changes are as follows:

- Increasing the sample extraction;
- Increasing the detection of the box;
- Increased screening test;
- Deleted references. The Standard Appendix A, Appendix B is an informative annex. The standard proposed by China Electrical Equipment Industrial Association. This standard by the National Standardization Technical Committee measure relays and protection equipment. Drafting of this standard. National relay protection and automation equipment for Quality Supervision and Inspection Center, Hebei University, Xuchang relay Institute of Xiamen Hongfa Electroacoustic Co., Ltd. People Electric Group Co., Ltd., Ningbo Forward Relay Co., XJ Electric Co., Limited the company. The main drafters of this standard. LU Jian-guo, Liquan Xi, Li Kui, Liu, Lu Ningyi high Bunraku, Dian Wang Rong, coke slope. This standard replaces the standards previously issued as follows:
- GB/T 15510-1995. Electromagnetic relay for control rules for reliability test

1 Scope

GB/T 15510-2008 is the Chinese national standard on general rules for reliability test of electromagnetic relay for control circuits, 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 18 June 2008 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 March 2009. Classification: ICS 29.120.50, 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 standard specifies the terms and their definitions, and control the amount of electromagnetic relay symbol reliability test, reliability, test methods, Reliability Verification Test classification and test procedures, test records and test reports. This standard applies to the product life it can reasonably be considered to be exponentially distributed product reliability verification tests.

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 2423 (series) electric and electronic products environmental testing

GB/T 14598.5-1993 Electrical relays - Part 15. Electrical characteristics of relay contacts life testing of test equipment (Idt IEC 60255-15. 1981)

3 Terms and definitions, symbols

3.1 Terms and Definitions The following terms and definitions apply to this standard.

3.1.1 Electromechanical relay generates a predetermined response by the electromagnetic force.

3.1.2 Contact voltage drop From the two terminals of a contact assembly measured voltage drop is closed between contacts.

3.1.3 Moment in a released state of the relay, under specified conditions, the amount of excitation applied at the input of the predetermined value until the instantaneous relay switch Time interval between stopping.

3.1.4 On an operating state of the relay, under specified conditions, to produce a predetermined amount from the input stimulus change (this change will cause the relay to return Only time instant back) until the moment the relay return interval.

3.1.5 Under specified conditions, it is applied to the relay, the relay can make an incentive amount of response.

3.1.6 Relay in the prescribed manner prescribed excited state.

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