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

GB/T 24975.5-2010

**Guide of environmental design for low-voltage apparatus -- Part
5: Fuse
(English Translation)**

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Foreword

GB/T 24975 "low-voltage electrical Environmental Design" includes the following sections.

- Part 1. General;
- Part 2. Isolator;
- Part 3. Circuit Breaker;
- Part 4. contacts;
- Part 5. Fuse;
- Part 6. Button lights;
- Part 7. Terminal.

This part of GB/T 24975 "low-voltage electrical Environmental Design" in Part 5 of this section should be used in conjunction with Part 1.

This part by the Environmental Committee of the National Standardization Technical Electrical and Electronic Products and Systems (SAC/TC297) and focal points.

This section is drafted. Shanghai Electrical Apparatus Research Institute (Group) Co., Ltd., Beijing Electrical Machinery Industry Technology Research Institute of Economy, Changshu Switch Manufacturing Co., Ltd.

1 Scope

This section provides the basic principles of environmental aspects into product fuses (hereinafter referred to as products).

This section applies to new or improved product design.

This section applies to fuse full-time staff including fuses used (blade contacts circuit breakers, fuses bolted cylindrical cap fuse Breaker), fuses for use by unskilled persons (screw type fuses, fuse tube), protection of semiconductor devices such as fuses.

The purpose of this section is to the product design stage to control its impact on the environment.

2 Normative references

The following documents contain provisions which, through reference GB/T 24975 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 13539.1 low-voltage fuses - Part 1. General requirements (GB 13539.1-2008, IEC 60269-1:2006, IDT) GB/T 13539.2 low-voltage fuses - Part 2. Supplementary requirements for fuses for use by authorized persons (mainly used for melting industry Breaker) example of standardized systems of fuses A to I (GB/T 13539.2-2008, IEC 60269-2:2006, IDT) GB 13539.3 low-voltage fuses - Part 3. unskilled personnel Supplementary requirements for fuses (mainly used for household and class Like fuses purposes) standardized systems of fuses A to Example F (GB 13539.3-2008, IEC 60269-3:2006, IDT) GB/T 13539.4 low-voltage fuses - Part 4. Supplementary requirements for protection of semiconductor devices fuse body (GB/T 13539.4-2009, IEC 60269-4:2006, IDT) GB/T 24975.1-2010 Low-voltage electrical Environmental Design - Part 1. General

3 Terms and Definitions

GB/T 24975.1-2010 Chapter 3 apply.

4 Environmental aspects into consideration overall product design and development

GB/T 24975.1-2010 Chapter 4 apply. And attention to the study GB 13539.1, GB/T 13539.2, GB 13539.3, GB/T 13539.4 relevant requirements.

5.1 General

GB/T 24975.1-2010 5.1 apply.

5.2 Raw material acquisition phase

GB/T 24975.1-2010 5.2 apply, and.

The melt fuse material generally used copper, silver plated copper, silver, etc., should reduce the use of tin, cadmium, tin and other materials.

5.3 Manufacturing stage

GB/T 24975.1-2010 5.3 apply, and.