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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 24975.2-2010

Guide of environmental design for low-voltage apparatus -- Part 2: Disconnectors

(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 2 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.

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1 Scope

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

This section applies to new or improved product design.

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 14048.1 low-voltage switchgear and control equipment Part 1. General (GB 14048.1-2006, IEC 60947-1:2001, MOD) GB 14048.3 low-voltage switchgear and control equipment - Part 3. Switches, disconnectors, switch and fuse combination (GB 14048.3-2008, IEC 60947-3:2005, 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 pay attention to studying GB 14048.1 and GB 14048.3 relevant requirements.

5.1 General

GB/T 24975.1-2010 5.1 apply.

5.2.1 General

GB/T 24975.1-2010 5.2 apply.

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5.2.2 Plastic

Designers should note that the following studies.

a) material category Plastic material parts, reduce the choice of thermosetting plastics, increased use of thermoplastics.

b) a flame retardant Preferred not contain a halogen element, bromine-based flame retardant plastic elements, such as the choice of Al (OH) 3, Sb2O3, phosphate, Mg (OH) 2. Wherein Al (OH) 3 both inorganic filler and a flame retardant effect, more extensive use.

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