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

GB/T 24976.7-2010

**Guide of environmental design for electrical accessories -- Part
7: Connecting devices for low-voltage circuits for household
and similar purposes
(English Translation)**

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Foreword

GB/T 24976 "Electrical accessories Environmental Design" includes the following sections.

- Part 1. General;
- Part 2. Conduit systems for cable management trough and pipe systems;
- Part 3. Household and similar cable reel;
- Part 4. industrial plug and socket coupler;
- Part 5. plug and socket for household and similar purposes;
- Part 6. Household and similar appliances couplers;
- Part 7. Household and similar low-voltage electrical connector device;
- Part 8. Switches for household and similar fixed electrical installations.

This part of GB/T 24976 "Electrical accessories Environmental Design" in Section 7. This section should be GB/T 24976.1-2010 "Electrical accessories Environmental Design - Part 1. General Principles" used in conjunction.

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

This section drafted by. China Electric Apparatus Research Institute, Beijing Electrical Machinery Industry Technical and Economic Research Institute.

1 Scope

This section provides environmental aspects into household and similar low-voltage electrical connector device products (hereinafter referred to as connecting devices) base this principle.

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 in this Part of GB 24976, constitute provisions of this part. 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 13140.1 low-voltage circuits for household and similar purposes Connecting devices - Part 1. General requirements (GB 13140.1-2008, IEC 60998-1:2002, IDT) Part 2 GB 13140.2 Connecting devices for low voltage circuits for household and similar purposes used. as a standalone unit with screw-type clamping Particular requirements for connecting devices member (GB 13140.2-2008, IEC 60998-2-1:2002, IDT) Part 2 GB 13140.3 Connecting devices for low voltage circuits for household and similar purposes used. as a standalone unit with screwless-type clip Particular requirements for connecting devices tightening member (GB 13140.3-2008, IEC 60998-2-2:2002, IDT) Part 2 GB 13140.4 Connecting devices for low voltage circuits for household and similar purposes used. as a standalone unit with insulation piercing type Particular requirements for connecting devices clamping member (GB 13140.4-2008, IEC 60998-2-3:2002, IDT) Part 2 GB 13140.5 Connecting devices for low voltage circuits for household and similar purposes. Particular requirements for twist-on connecting devices (GB 13140.5-2008, IEC 60998-2-4:2004, IDT) GB/T 24976.1-2010 electrical accessories Environmental Design - Part 1. General

3 Terms and Definitions

GB/T 24976.1-2010 Chapter 3 apply.

4 Environmental aspects into consideration overall product design and development

GB/T 24976.1-2010 Chapter 4 apply.

5.1 General

GB/T 24976.1-2010 5.1 add the following after apply.

Designers should note that studies GB 13140.1, GB 13140.2, GB 13140.3, GB 13140.4 and GB 13140.5 relating to the Claim.

5.2 Raw material acquisition phase

GB/T 24976.1-2010 5.2 apply to add the following after.