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

GB 15092.2-2014

Replacing GB/T 15092.2-2014

**Switches for appliances - Part 2-1: Particular requirements for
cord switches
(English Translation)**

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting.

This document is Part 2-1 of GB/T 15092 "Appliance Switches". GB/T 15092 has issued the following parts.

- Appliance switches Part 1: General requirements (GB/T 15092.1-2020);
- Appliance switches Part 1-1.Mechanical switch requirements (GB/T 15092.101-2020);
- Appliance switches Part 1-2.Electronic switch requirements (GB/T 15092.102-2020);
- Appliance switches Part 2-1.Special requirements for soft cord switches (GB/T 15092.2-2014);
- Appliance switches Part 2-5.Special requirements for conversion selectors (GB/T 15092.3-2014);
- Appliance switches Part 2-4.Special requirements for independently installed switches (GB/T 15092.4-2006);
- Appliance switches Part 2-6.Special requirements for switches for hand-held and portable power tools and garden machines (GB/T 15092.5-2021).

This document replaces GB/T 15092.2-2014 "Appliance Switches Part 2: Special Requirements for Soft Wire Switches" and is the same as GB/T 15092.2-Compared with 2014, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- a) Added 12.3.106b) as "As long as the insulation layer of the flexible wire is not cut or obviously damaged, flexible deformation is allowed" [see 12.3.106b)];
- b) The outer diameter range in Table 101 is deleted (see the 2014 version of Table 101);
- c) Change the title of Chapter 24 "Electronic Switching Components" to "Switching Components" (see Chapter 24, Chapter 24 of the 2014 edition);
- d) Change the title of Figure 104 "Torque test equipment for cord fixtures" to "Torque test equipment for cord fixtures" (see

Figure 104, 2014 version of Figure 104).

This document is modified to adopt IEC 61058-2-1:2018 "Appliance switches Part 2-1.Special requirements for flexible cord switches".

The technical differences between this document and IEC 61058-2-1:2018 and their

reasons are as follows.

- Replaced IEC 60335-2-17 (see Chapter 8 and Chapter 12) with GB 4706.8 for the convenience of users;
- Replaced IEC 60245 (all parts) with the adopted GB/T 5013 (all parts) (see Chapter 2, Chapter 12) to comply with my country's technical situation;
- Replaced IEC 60227-5 (see Chapter 12) with GB/T 5023.5 for the convenience of users;
- Replaced IEC 60227 (all parts) with the adopted GB/T 5023 (all parts) (see Chapter 12) to comply with my country's technology Condition;
- Replaced IEC 61058-1:2016 with GB/T 15092.1-2020, which revised the procurement standard, to adapt to my country's technical conditions;
- Replaced IEC 61058-1-2:2016 (see Chapter 10) with the revised procurement standard GB/T 15092.102-2020 to adapt to our country technical conditions;
- Replaced IEC 61032 (see Chapter 9) with GB/T 16842 for the convenience of users;
- 14.3 corresponding to IEC 61058-2-1:2018."Moisture treatment is carried out in a humidity box, and the relative humidity of the air in the box is Between 91% and 95%. In all places where the specimens are placed, the air temperature is maintained at any suitable temperature between 20°C and 30°C.

Value (t)", considering that some areas in my country have a humid tropical climate, and my country's electrical and electronic products all use $(40\pm 2)^{\circ}\text{C}$ for moisture-proofing Test, so this document stipulates. "The moisture treatment is carried out in a humidity box, and the relative humidity of the air in the box is between 91% and 95%.

In all places where specimens are placed, the air temperature is maintained at any suitable temperature value (t) between 30°C and 40°C (see 14.3).

The following editorial changes have been made to this document.

- Change the clerical error in Chapter 25 "Except for the following content, IEC 61058-1:2018 this chapter applies" to "GB/T 15092.1-Chapter 25 of 2020 applies" (see Chapter 25).

Please note that some content in this document may be subject to patents. The publisher of this document assumes no responsibility for identifying patents.

Introduction

GB/T 15092 "Appliance Switches" is a basic standard for product structure safety, performance testing, and material confirmation in the field of appliance switches. It is applicable to Appliance switches that connect or control household or similar electrical appliances and other equipment. Also applicable to appliance switches that provide

additional control functions.

Off, applicable to both circuits required to evaluate appliance switches and appliance switch functions.

GB/T 15092 is intended to consist of the following parts.

---Part 1: General requirements. The purpose is to establish general basic requirements applicable to appliance switches;

---Part 1-1.Mechanical switch requirements. The purpose is to establish general requirements applicable to mechanical switches in appliance switches;

---Appliance switches Part 1-2.Electronic switch requirements (GB/T 15092.102-2020). The purpose is to establish the suitability for appliances General requirements for electronic switches in switches;

---Appliance switches Part 2-1.Special requirements for soft cord switches (GB/T 15092.2-2014). The purpose is to establish the applicable Special requirements for cord switches in appliance switches;

---Part 2-4.Special requirements for independently installed switches. The purpose is to establish the characteristics of switches suitable for independent installation in appliance switches.

special requirements;

---Part 2-5.Special requirements for conversion selectors. The purpose is to establish special features suitable for use with change-over selectors in appliance switches.

Require;

---Part 2-6.Special requirements for switches for hand-held and portable power tools and garden machines. The purpose is to establish the suitability for appliances Special requirements for switches for hand-held and portable power tools and garden machines.

appliance switch

Part 2-1.Special requirements for flexible cord switches

1 Scope

Except for the following content, Chapter 1 of GB/T 15092.1-2020 applies.

Increase.

This document applies to electrical appliances and other electrical appliances with a rated voltage not higher than 250V and a rated current not higher than 16A for household or similar purposes.