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

GB/T 15092.4-2023

**Switches for appliances - Part 2-4: Particular requirements for
independently mounted switches**

器具开关 第2-4部分：独立安装开关的特殊要求

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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 2-4 of GB/T 15092 "Appliance Switches". GB/T 15092 has released 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);

1 Scope

GB/T 15092.4-2023 is Part 2-4 of the Chinese series on appliance switches, and gives the particular requirements for independently mounted switches - those fixed to a wall, a bracket or a machine frame rather than built into the appliance they control. Because they are installed by whoever puts the appliance in, the switch has to be safe in mountings its maker never saw, and the protection against contact and the terminal arrangements have to hold up under wiring done in the field. The standard follows the clause structure of the general standard, setting the particular requirements for rating, classification, marking and documentation, protection against electric shock, earthing, terminals, construction, mechanism, endurance, mechanical strength, abnormal operation and fault conditions, and the switching components. It took effect on 1 March 2024.

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 480V and a rated current not higher than 63A for household or similar purposes. A mechanical or electronic independently installed switch used by the equipment, driven or controlled by hands, feet or other human body movements. This type of switch is operated by a person through an actuator or by an excitation sensor device. The actuator or sensor device is physically or electrically Pneumatically combined with the switch, it can also be configured separately. It may also include actuators or signal transmission between the sensor and the switch, such as. electrical , light, sound or temperature signal transmission. Switches with additional control functions subject to the control of the switch function are within the scope of this document. This document also covers indirectly driven switches, where the operation of the actuator or sensor device is by a remote control, appliance or part of the equipment (e.g. door) to reach. Note

1.Electronic switches can be combined with mechanical switches that provide full disconnection or micro-disconnection. Note

2.Electronic switches without mechanical switches in the power circuit only provide electronic disconnection. Therefore, the circuit on the load side is always considered live.

Note

3.Additional requirements may be required for switches used in tropical climates. Note

4.Note that appliance standards may contain additional or alternative requirements for switches. Note

5.In this document, the word "appliance" refers to "appliance or equipment".

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations For undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document. Except for the following content, Chapter 2 of

GB/T 15092.1-2020 applies. Increase.

GB/T 5169.11 Fire hazard test for electrical and electronic products Part

11.Glow wire/Hot wire basic test method Ignition of finished products Hot wire flammability test method (GWEPT) (GB/T 5169.11-2017,

IEC 60695-2-11.2014, IDT)

GB/T 15092.1-2020 Appliance switches Part

3 Terms and definitions

Except for the following content, Chapter 3 of GB/T 15092.1-2020 applies.

3.3 Terms and definitions for different types of switches Increase.