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

GB/T 22692-2008

Switches for electric tools

电动工具开关

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Foreword

Appendix A of this standard is an informative annex. The standard proposed by China Electrical Equipment Industrial Association. This standard by the National Electric annex Standardization Technical Committee (SAC/TC67) centralized. This standard was drafted. Shanghai Electric Tool Research Institute. The main drafters. Zhang Weichang, Liu Jiang. This standard was first formulated. Power Tools switch

1 Scope

GB/T 22692-2008 is the Chinese national standard on switches for electric tools, in the field of electrical engineering. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 31 December 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 November 2009. Classification: ICS 29.120.40, CCS K31. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This standard specifies the basic requirements for electric power tool switch (hereinafter referred to as switch) classification, security and performance and the appropriate test side Method and inspection rules. This standard applies to general environmental conditions of use, does not exceed the maximum operating voltage AC 480V, frequency does not exceed 400Hz, rated Current does not exceed 63A switch The switch is mounted on the body of the power tool or accessory, it does making and breaking the current or power tool change Direction of rotation, limit load speed, and adjusts the speed of other protection and control purposes. The switch is to be prescribed by the people through the actuator operation, or by excitation sensor operation. Actuator or sensor can be electrically or physically Combined with the switch on the air together, can also be configured separately, may also contain a

signal transmission actuator or sensor and switch between, for example, electrical The signal transmitting light, sound or temperature. Both the opening and closing functionality requires additional control function switches scope of this standard. This standard also includes indirect drive switch, then operate the actuator or sensor is part of the remote control, appliance or apparatus (Example Such as doors) to reach.

Note 1. Electronic switches may be combined with providing full disconnection or micro-disconnection of mechanical switches.

Note 2. The electronic switching power supply circuit with no mechanical switches provide only electronic disconnection. Therefore, the load circuit side is always considered as charged. Switch for dc power tool may refer to this standard. Switch or special purposes under special circumstances require the use of additional provisions in the product standard.

2 Normative references

The following documents contain provisions which, through reference in this standard and become the standard terms. For dated references, subsequent Amendments (not including errata content) or revisions do not apply to this standard, however, encourage the parties to the agreement are based on research Whether the latest versions of these documents. For undated reference documents, the latest versions apply to this standard.

GB 2099.1-2008 plug socket for household and similar purposes - Part 1. General requirements (IEC 60884-1.2006, MOD)

GB/T 2828.1-2003 Sampling procedures for inspection - Part 1. by acceptance quality limit (AQL) retrieval batch test sample Programme (ISO 2859-1.1999, IDT)

GB/T 2900.70-2008 Electrotechnical terminology of electrical accessories (IEC 60050-442.1998, IDT)

GB 4208-2008 housing protection (IP Code) (IEC 60529.2001, IDT)

GB 15092.1-2003 Switches for appliances - Part 1. General requirements (IEC 61058-1.2001, IDT)

GB 15092.3-1998 Switches for appliances Part 2. Particular requirements for change-over selector (IEC 61058-2-5.1994, IDT)

GB 17196-1997 Connecting devices - Flat quick copper wire connecting terminal Safety requirements

IEC 61058-1A2.2007 Switches for appliances - Part 1. General requirements - Amendment No. 2

3 Terms and Definitions

Purposes of this standard, the following definitions apply.

3.1 Having making and breaking current ability to change the internal circuit power tool connected state, thereby changing the direction of operation of the power tool switch.

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