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

GB/T 22691-2008

DC switches for battery power tools

电池式电动工具用直流开关

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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 (SACTC67) centralized. This standard is drafted by: Shanghai Electric Tool Research Institute. Participated in the drafting of this standard. Shanghai Electric Co., Ltd. Cheng worship. The main drafters. Zhang Weichang, Liu Jiang, Xu Xinsheng. This standard was first formulated. Battery-operated electric tools DC switch

1 Scope

GB/T 22691-2008 is the Chinese national standard on dc switches for battery power 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 29.130.20, 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.

The main provisions of the standard battery electric tools DC switch (hereinafter referred to as the switch) the essential requirements and classification, security and performance Appropriate test methods and inspection rules. This standard applies to the battery housed in the handle electric tools or similar appliances, and for turning on and off the power supply to the motor battery pack Circuit, adjust the motor speed or direction of motor rotation is changed manually DC switch (hereinafter referred to as switch). The switch does not exceed the rated voltage Over 36V, rated current less than 40A. 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.

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 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/T 22692-2008 Power Tools switch

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

3 Terms and Definitions

GB/T 2900.70, GB/T 22692 terms and definitions apply.

4 RATINGS

The switch according to the rating specified in Table 1. Preferred values
Table 1 rating Power type Maximum operating voltage/V Rated current/A Direct-current Like
x 1.2 (Where any form of 2-30 of a positive integer.) 2,4,6,10,16,25,40

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