

ICS 29.160.30

CCS K24



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

GB/T 16961-2009

Replacing GB/T 16961-1997

**General specification for motors asynchronous miniature
electronic regulator**

电子调速微型异步电动机通用技术条件

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Quarantine of the People's Republic of China;
Standardization Administration of China**

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Foreword

This standard replaces GB/T 16961-1997 "electronic speed asynchronous motors General technical requirements." This standard and GB/T 16961-1997 compared to the main changes are as follows:

--- The reference standard according to the revised standard content and related content were revised.

--- This standard adds "test conditions" clause.

--- This standard adds "Electromagnetic compatibility", "reliability", "security" and other similar terms.

--- The standard "inspection rules" make a change in classification test.

--- This standard regarding terminology modified unity. Appendix A of this standard is an informative annex. The standard proposed by China Electrical Equipment Industrial Association. This standard by the National Standardization Technical Committee micromotor (SAC/TC2) centralized. This standard was drafted. Ningbo vigorously de Transmission Equipment Co., Ltd., Dongyang City, East G Motor Co., Ltd., Xi'an Institute of micro-motor, Division of Motor Co., Ltd. Shanghai Zhuang. The main drafters of this standard. Cen Guo-jian, Chen Zheng, Dong Chaokui, Kim Dong Shao, Zhou Jianzhong. This standard replaces the standards previously issued as follows:

--- GB/T 16961-1997. Miniature electronic speed asynchronous Motor General technical conditions

1 Scope

GB/T 16961-2009 is the Chinese national standard on general specification for motors asynchronous miniature electronic regulator, 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 30 September 2009 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 February 2010. Classification: ICS 29.160.30, CCS K24. 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 gear, electronic speed asynchronous motors with product classification, technical requirements, test methods, inspection rules, Preparation and delivery of user services. This standard applies to all types of systems for the driving gear, electronic speed induction motor (hereinafter referred to as motor).

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 755 rotary motor fixed and performance (GB 755-2008, IEC 60034-1.2004, IDT)

GB/T 1993 rotary motor cooling

GB/T 2423.3 Environmental testing for electric and electronic products Part 2. Test methods - Test Cab. Damp heat test (GB/T 2423.3-2006,

IEC 60068-2-78.2001, IDT)

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

GB/T 2900.25 Electrotechnical terminology rotary motor (GB/T 2900.25-2008, IEC 60050-411.1996, IDT)

GB/T 4942.1 overall structure of the rotary motor protection (IP code) Classification (GB/T 4942.1-2006, IEC 60034- 5.2000, IDT)

GB/T 7345-2008 control electrical machines

GB/T 7346 motor control basic shape structure size Measurement

GB/T 10068 with shaft heights 56mm and higher mechanical vibration of the motor, evaluation and limits (GB 10068- 2008, IEC 60034-14.2003, IDT)

GB/T 10069.1 rotary motor noise measurement methods and limits - Part 1. Rotating motor

noise measurement method (GB/T 10069.1- 2006, ISO 1680.1999, MOD)

GB/T 11281 control micro-motor with gear reducer series

GB 17799.3 Electromagnetic compatibility - Generic standards for residential, commercial and light industrial environments Emission standard (GB 17799.3-2001, idt IEC 61000-6-3.1996)

3 Terms and Definitions

GB/T 2900.25, and established the following terms and definitions apply to this standard.