

ICS 29.160.30

CCS K24



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

GB/T 10405-2009

Replacing GB/T 10405-2001

**Type designation for electrical machine for automatic control
system**

控制电机型号命名方法

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Table of Contents

- 1 Scope
- 2 Model Name
- 2.2 Frame
- 2.4 Performance parameters Code

Foreword

This standard replaces GB/T 10405-2001 "Motor control type designation." This standard compared with GB/T 10405-2001 main changes are as follows:

- According to the product structure for controlling the motor industry are organized original standard has been adjusted.
- Increasing the motor-products.
- Removed some out of product.
- According to GB/T 1.1-2000. provisions "Standardization Guide Part 1 standard structure and write rules" of the standard The formatting has been modified. 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. Xi'an Institute of micro-motor, Hengdian Group to the Motor Co., Ltd., Ningbo vigorously de Transmission Equipment Co. Secretary, Secretary Zhuang Shanghai Electric Co., Ltd., CLP 21. The main drafters of this standard. Tan Ying, He Dongde, Cen Guo-jian, Kim Dong Shao, Huang Haiying. This standard replaces the standards previously issued as follows:
 - GB/T 10405-1989;
 - GB/T 10405-2001. Motor control Type designation

1 Scope

GB/T 10405-2009 is the Chinese national standard on type designation for electrical machine for automatic control system, 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 principles should be given control of the motor model to follow. This standard model is suitable for controlling the motor, and combinations thereof are named.

2 Model Name

2.1 General Control of the motor model usually consists of the following four components.
Frame Product Code performance parameter code derived code

2.2 Frame

2.2.1 Single Frame Product Frame size motor shall meet the following requirements.

- a) Frame outer diameter or with shaft heights indicated value only take part, no units of measurement. Table 1.
- b) with shaft heights indicates frame size, it should be represented in shaft heights Frame after adding "M-". Table

1 Frame sizes 12 16 20 24 2,832,364,045,505,560 Outer diameter/mm 12.5 16 20 24 28 32 36 40 45 50 55

60 Frame size 70 8,090,100,110,130,160,200 250 320 Outer diameter/mm 70 80 90 100 110 130 160 200 250 320 Frame

2.2.2 Unit Frame unit to which the frame represents the largest motor size.

2.3 Product Name Code Product name code consists of two to four Chinese phonetic letters (see Chapter 3). Each letter has a certain meaning of Chinese characters, the first a word Mother indicates the motor category, behind the letters of these motors fine classification. Product Name Code by the unit consisting of single or motor-category code, code name in stand-alone products or categories of motor Plus between dashes. Used code letters, usually a product name first characters of a Chinese phonetic alphabet, the letter caused if the selected model or repeat He can not use reason, then in turn choose letters or other characters behind the phonetic alphabet.

2.4 Performance parameters Code

2.4.1 General Performance parameters Code by two or more Arabic numerals, order, or a visual representation of the performance parameters of the motor. Performance parameters

Code should Comply with this standard or product-specific technical conditions.

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