ICS 29.160.30
CCS K24

NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 10404-2017

Replacing GB/T 10404-2007

General specification for multipolar and two-speed electrical resolvers

多极和双通道旋转变压器通用技术条件

Issued on: November 1, 2017 **Implemented on: May 1, 2018**

Issued by: General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China;
Standardization Administration of China

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Foreword

This standard was drafted in accordance with the rules given in GB/T 1.1-2009. This standard replaces GB/T 10404-2007 "multi-polar and dual-channel rotary transformer general technical conditions," and GB/T 10404-2007 Compared to the main technical changes are as follows:

--- Increasing the basic parameters of the rated voltage/maximum output voltage 6/2 combination (see 3.5,.2007 version 4.2);

--- Direction of rotation increases the provisions of the slave shaft extension (see 3.7,.2007 Edition 4.4);

--- Electrical schematics and reference zero to the circuit diagram and output voltage equation (see 3.8,.2007 edition 4.5);

--- vector diagram for the vector diagram (see Table 12,.2007 edition of Table 6);

--- Lead or terminal is divided into two parts marked and strength (see

4.3 and 4.23,.2007 version

--- The correctness of the wiring increases the inspection and wiring diagram of the datum electrical zero of the rough machine (see 4.15,

5.17 of the.2007 edition);

--- Electromagnetic interference to electromagnetic compatibility (see 4.21,.2007 version

--- Increasing the specific technical requirements for vibration (see 4.24,

5.25 in.2007 edition);

--- Increasing the provisions of the low-temperature test method wiring power (see 4.28,.2007 version of 5.29);

--- Increase the provisions of the high-temperature test method wiring power (see 4.29,.2007 version 5.30);

1 Scope

GB/T 10404-2017 is the Chinese national standard on general specification for multipolar and two-speed electrical resolvers, 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 1 November 2017 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 May 2018. 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 multi-pole and dual-channel resolver classification, technical requirements and test methods, test conditions, inspection rules, delivery standards Preparation and user service requirements. This standard applies to multi-pole and dual-channel resolver (hereinafter referred to as "spin").

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 2423.16 Environmental testing for electric and electronic products Part 2. Test methods Test J and guidelines.

GB/T 2828.1-2012 Sampling procedures for inspection - Part 1 - Batch-by-lot inspection by acceptance quality limit (AQL) plan Basic technical requirements for control of electric motors GB/T 7345-2008

GB/T 10405 control motor model nomenclature General requirements for microelectromechanical safety GB/T 18211-2000

JB/T 8162 control motor packaging technology

3 Classification and basic parameters

3.1 classification The resolver is divided into a multi-pole resolver transmitter (XFD), a multipole resolver transformer (XBD), a two-channel resolver transmitter (XFS) Transformer (XBS) four categories.

3.2 model name Spinning model name should be consistent with the provisions of GB/T 10405, see Appendix A, or by the product-specific technical conditions.

3.3 shape structure type

3.3.1 Classification Reshaping the shape of the structure type is divided into two types of basic and derived.

3.3.2 basic structure type Spinning sub-assembly with flange as the basic structure, shape and installation dimensions should be consistent with Figure 1 and Table 1 regulations.