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

GB/T 22762-2022

Replacing GB/T 22762-2008

**Built-in thermal protectors for electrical machines of household
and similar use**

家用和类似用途用装入式电动机热保护器

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Table of Contents

- 1 Scope
- 2 Normative references
- 3 Terms and Definitions

Foreword

This document is in accordance with the provisions of GB/T 1.1-2020 "Guidelines for Standardization Work Part

1. Structure and Drafting Rules of Standardization Documents" drafted. This document replaces GB/T 22762-2008 "Built-in motor thermal protectors for household and similar purposes", and GB/T 22762- Compared with.2008, except for structural adjustment and editorial changes, the main technical changes are as follows:

--- Changed the term "motor thermal protector" to "built-in motor thermal protector" (see 3.2,

3.2 of the.2008 edition);

--- Deleted the definition of "manual reset thermal protector" and its related requirements, replaced by "non-automatic reset thermal protector" (see

4.1.1 of the.2008 edition);

--- Added the definition of "rated tripping time" and its related requirements (see

3.9 and 5.4.3), the definition of "reset time" and its related requirements (see

3.10 and 5.4.3);

--- Delete the "built-in" and "external" categories (see

4.1.2 of the.2008 edition), "single breakpoint structure" and "double breakpoint structure" Classification (see

4.1.3 of the.2008 edition); added the sub-category form of "non-automatic reset thermal protector" (see 4.1.2);

--- Changed the expression of "model name" (see 4.2,

4.2 of the.2008 edition);

1 Scope

GB/T 22762-2022 is the Chinese national standard on built-in thermal protectors for electrical machines of household and similar use, in the field of domestic and commercial equipment, entertainment, sport. 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 9 March 2022 by the State Administration for Market Regulation; Standardization Administration of China, and has been in force since 1 October 2022. Classification: ICS 97.120, CCS K32. 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.

2. The device carries the current of the motor and is sensitive to the current and/or temperature of the motor.

3.3 A device that acts in response to overheating and/or overloading of motor windings to cut off power to the motor. When it cools down to the reset temperature, it can restart Turn on the motor power.

3.4 A device that acts in response to overheating and/or overcurrent in the motor windings to cut off power to the motor. Under normal working conditions, if there is no manual operation The motor cannot be turned on again.

3.5 rated open temperature ratedopentemperature The thermal protector does not carry any current, or only the signal current passes through it, and the disconnection temperature value is measured under the condition of a certain heating rate.

2 Normative references

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, dated citations documents, only the version corresponding to that date applies to this document; for undated references, the latest edition (including all amendments) applies to this document.

GB/T 2423.3-2016 Environmental Test Part

3 Terms and Definitions

The following terms and definitions apply to this document.

3.1 rated current ratedcurrent The current specified by the manufacturer for the thermal protector.

3.2 An overheating and overcurrent protection device installed inside the motor to prevent the motor from overloading or failing to start. Note