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

GB/T 4706.98-2024

Replacing GB 4706.98-2008

**Safety of household and similar electrical appliances - Part 98:
Particular requirements for drives for gates, doors and windows**

家用和类似用途电器的安全 第98部分：闸门、房门和窗的驱动装置的特殊要求
(English Translation)

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Foreword

This document was drafted in accordance with the provisions of GB/T 1.1-2020 "Guidelines for standardization work Part 1: Structure and drafting rules for standardization documents".

This document is Part 98 of GB/T 4706 "Safety of Household and Similar Electrical Appliances". GB/T 4706 has been published in the following parts.

- Part 1: General requirements;
- Part 2: Particular requirements for electric irons;
- Part 121: Particular requirements for professional ice cream machines.

This document replaces GB 4706.98-2008 "Special requirements for driving devices for safety gates, doors and windows of household and similar electrical appliances" Compared with GB 4706.98-2008, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

- Changed the scope of application of the document (see Chapter 1, Chapter 1 of the 2008 edition);
- Changed the general requirements and compliance tests for drive device tests (see Chapter 5, Chapter 5 of the 2008 edition);
- Added the requirements for different types of drive device structures in the installation instructions (see 7.12.1);
- Add relevant requirements for situations where tools are required to access the adjustment device (see 8.2);
- Changed the requirements for non-continuously operating drives (see 11.7, 11.7 of the 2008 edition);

- Add footnotes to Table 4 and Table 7 (see 13.3 and 16.3);
- Deleted the requirements for drives with manual release devices (see 19.10 of the 2008 edition);
- Changed the requirements and test methods for stability and mechanical hazards and transferred them to appendices (see Chapter 20, Appendix BB, Appendix CC and Appendix Recorded DD, see Chapter 20 of the 2008 edition);
- Add the use of programmable protection electronic circuits to ensure the structural requirements of drives and controllers (see 22.46 and 22.107);
- Added relevant requirements for software evaluation, description of test points for protective devices of horizontally movable pedestrian doors, description of reference objects, and description of rotary Test methods for the anti-pinch protection system of the swing door drive device, the limit of the force applied to the pedestrian door, and the limit of the impact force of the pedestrian door Pilot, low energy movement of pedestrian doors, setting of low energy movement speed of pedestrian doors, safety protection of pedestrian doors (see Appendix R, Appendix EE, Appendix FF, Appendix GG, Appendix HH, Appendix II, Appendix JJ, Appendix KK, Appendix LL);

This document is equivalent to IEC 60335-2-103:2019 "Safety of Household and Similar Electrical Appliances Part 2-103.Gates, Doors Particular requirements for drives for windows and windows.

The following minimal editorial changes were made to this document.

- The name of the standard is changed to "Safety of Household and Similar Electrical Appliances Part 98: Special Requirements for Drives for Gates, Doors and Windows Requirements" to enhance the coordination of the standard system.

Introduction

GB/T 4706 "Safety of Household and Similar Electrical Appliances" adopts most of IEC 60335. On this basis, GB/T 4706 refers to the structure of IEC 60335 is divided into several parts, consisting of general requirements and special requirements. Part 1 is general requirements, and the other parts are for products covered by special requirements, their safety requirements are general requirements used in combination with the special requirements.

The requirements include supplements and modifications to the corresponding clauses in the general requirements to provide complete requirements for each product.

This document is the protection requirements for electrical, mechanical, thermal, fire and radiation risks when the appliance is used normally in accordance with the instructions.

This document also covers abnormal conditions that may occur during use and considers