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NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

GB/T 14536.6-2022

Replacing GB/T 14536.6-2008

Automatic electrical controls - Part 6: Particular requirements for automatic electrical burner control systems

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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 for Standardization Documents"

drafting.

This document is part 6 of GB/T 14536.GB/T 14536 has published the following parts.

---GB/T 14536.1-2022 Electric automatic controller Part 1.General requirements;

---GB/T 14536.3-2022 Electric automatic controller Part 3.Special requirements for motor thermal protector;

---GB/T 14536.4-2008 Household and similar electrical automatic controllers special features for thermal protectors for ballasts for fluorescent lamps

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Require;

---GB/T 14536.7-2010 Household and similar electric automatic controllers, special requirements for pressure-sensitive electric automatic controllers

requirements, including mechanical requirements;

---GB/T 14536.8-2010 Special requirements for household and similar electric automatic controller timers and timing switches;

---GB/T 14536.9-2008 Special requirements for electric water valves with electric automatic controllers for household and similar purposes (including mechanical

Require);

---GB/T 14536.10-2022 Electric automatic controllers Part 10.Special requirements for temperature-sensitive controllers;

---GB/T 14536.11-2008 Special requirements for starting relays for motors of household and similar electric automatic controllers;

---GB/T 14536.12-2010 Special requirements for household and similar electric automatic controller energy regulator;

---GB/T 14536.13-2022 Electric automatic controller Part 13.Special requirements for electric door locks;

---GB/T 14536.15-2022 Electric automatic controllers Part 15.Special requirements for humidity sensitive controllers;

---GB/T 14536.16-2013 Special requirements for household and similar electric automatic controllers and electric starters;

---GB/T 14536.17-2005 Float-type or electrode-sensitive electric controllers used in household and similar electric automatic controllers and boiler appliances

Special requirements for inductive water level sensitive electric automatic controllers;

---GB/T 14536.18-2006 Electric automatic controllers for household and similar applications Float-type water level controllers for household and similar applications

special requirements;

---GB/T 14536.19-2017 Special requirements for electric gas valves with electric automatic controllers for household and similar purposes, including mechanical

Require;

---GB/T 14536.20-2008 Household and similar electric automatic controller water flow and air flow sensitive controller special requirements

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requirements, including mechanical requirements;

---GB/T 14536.21-2008 Special requirements for household and similar electric automatic controller electric oil valve, including mechanical

Require.

This document replaces GB/T 14536.6-2008 "Special requirements for electric automatic control systems for electric automatic controllers and burners for household and similar purposes

"Requirements", compared with GB/T 14536.6-2008, except for structural adjustment and editorial changes, the main technical changes are as follows.

--- Added classification requirements (see H.7);

--- Added harmonic and interharmonic tests, including the power signal of the AC power port, the test status of the low frequency immunity test (see

H.27.4);

--- Increase the test status of the test procedure for voltage dips and interruptions (see H.27.5.1.2);

--- Increased voltage fluctuation test requirements (see H.27.5.2);

--- Changed the test procedures involved in radio electromagnetic field immunity (see H.27.12, H.26.12 of the.2008 edition).

This document is modified to adopt IEC 60730-2-5.2013 "Electric Automatic Controllers Part 2-5.Special Specifications for Burner Electric Automatic Control Systems"

Require".

This document sets 1.1 Scope and 1.2 Normative References in Chapter 1 of the international document as Chapter 1 and Chapter 2 separately, and then

The number of chapters and articles shall be extended. The chapters and articles of Appendix H, Appendix J, Appendix U, and Appendix V are adjusted accordingly.

Compared with IEC 60730-2-5.2013, this document has structural adjustments, and appendix BB has been deleted.

The following editorial changes have been made to this document.

--- In order to coordinate with the existing standard, change the name of the standard to "Electric automatic controller Part 6.Characteristics of electric automatic control system for burners

special requirements";

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--- Included in the amendments of IEC 60730-2-5.2013/AMD1.2017 and IEC 60730-2-5.2013/AMD2.2021

content, the outer margins of the terms involved are marked with (||);

---Deleted the notes in 3.3.127, 16.7, 18.16.102.1 and H.27.11.101 of other countries or regions that have nothing to do with my country;

---Transfer the documents that are not normatively cited in Chapter 2 to the references;

--- Deleted the informative appendix BB that has nothing to do with our country.

Please note that some contents of this document may refer to patents. The issuing agency of this document assumes no responsibility for identifying patents.

Introduction

Automation and intelligence are the development goals of all kinds of live equipment, and the electric automatic controller is the cornerstone of its realization. as an appliance

The core components of the equipment, the inherent safety and functional safety of the electric automatic controller are closely related to the safety of personal and property. GB/T 14536

(All parts) Using the IEC 60730 series of standards, regulates the electrical safety of electrical appliances and other electrical and non-electrical equipment for household and similar purposes

In the absence of specific product standards, it can also be extended to industrial applications, such as central heating, air conditioning, process heating

Building automation, etc., including the following.

--- Electric automatic control device, which operates mechanically, electromechanically, electrically or electronically, responds to or controls conditions such as temperature, pressure, passage of time,

Parameters such as humidity, light, electrostatic effects, flow or liquid level;

--- Electric automatic control devices for starting small electric motors mainly used in household and similar appliances and equipment, this control

The device can be built into the motor or separate from the motor;

--- Non-automatic control devices related to automatic control devices.

The IEC 60730 series of standards have been revised several times, expanding the scope from household and similar electric automatic controllers to electric automatic control

In China, GB/T 14536 is being revised successively according to the new version of IEC

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