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# NATIONAL STANDARD OF THE PEOPLE'S REPUBLIC OF CHINA

# GB/T 14536.3-2022

Replacing GB/T 14536.3-2008, GB/T 14536.5-2008

## Automatic electrical controls - Part 3: Particular requirements for thermal motor protectors

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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 3 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 14536.4-2008 Household and similar electrical automatic controllers special features for thermal protectors for ballasts for fluorescent lamps

Require;

---GB/T 14536.6-2022 Electric automatic controller Part 6.Special requirements for burner electric automatic control system;

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

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 of electric automatic controllers for household and similar purposes (including mechanical requirements



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beg);

---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 type used in household and similar electric automatic controller boilers

Special requirements for water level sensitive electric automatic controllers;

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

Special requirements for automatic controllers;

---GB/T 14536.19-2017 Special requirements for household and similar electric automatic controller electric gas valve;

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

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 14536.3-2008 "Special requirements for motor thermal protectors for household and similar electric automatic controllers"

And GB/T 14536.5-2008 "Household and similar electric automatic controller sealed and semi-hermetic motors - motor thermal protection for compressors

Special Requirements for Protectors", compared with GB/T 14536.3-2008 and GB/T 14536.5-2008, except for structural adjustments and editorial changes



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In addition, the main technical changes are as follows.

a) Added a description of the dependence between the motor thermal protector and the motor (see 1.1);

b) Changed the limited short-circuit test (see Chapter 18, Chapter 17 of GB/T 14536.3-2008 and GB/T 14536.5-2008);

c) Changed the requirements for creepage distances, clearances and penetration distances of solid insulation (see Chapter 21, GB/T 14536.3-2008 and

Chapter 20 of GB/T 14536.5-2008);

d) Added description content (see Chapter 23);

e) Changed the content of the table in Appendix BB (see Table BB.101 and Table BB.202, Appendix AA of GB/T 14536.3-2008

Table AA.7.2 and Table AA.17.105.1.2);

f) Added Appendix CC "Other information on the application of motor protectors under pollution degrees 1, 2, and 3" (see Appendix CC).

This document is equivalent to IEC 60730-2-22.2014 "Electric automatic controllers Part 2-22.Special requirements for motor thermal protectors"

beg".

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 the following

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

The following minimal editorial changes have been made to this document.

--- In order to coordinate with existing standards, the name of this document is changed to "Electric automatic controllers Part 3.Special requirements for motor thermal protectors

beg";

--- The unit of rotation in AA.2.3.1 is corrected from "°mm/s" to "(°)/s";

---In IEC 60730-2-22.2014, the "Table BB.1" mentioned in the first paragraph of BB.7.2.1 is a clerical error, it should be "Table BB.101",

The "Form BB.202" mentioned in the third paragraph of BB.17.205.1.2 is a clerical error, it should be "Form BB.203", the fifth paragraph mentioned

"Form BB.202" should read "Form BB.201".

Please note that some contents of this document may refer to patents. The issuing agency



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