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GB 14536.11-2008 / IEC 60730-2-10:2006

Replacing GB/T 14536.11-1996

Automatic Electrical Controls for Household and Similar Use - Particular Requirements for Motor-starting Relays

(IEC 60730-2-10: 2006, IDT)

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Issued on: December 30, 2008

Implemented on: February 1, 2010

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

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Foreword

All the technical content of this part is compulsory.

GB 14536, *Automatic Electrical Controls for Household and Similar Use*, comprises two parts as follows:

- *Part 1: General Requirements;*
- *Part 2: Particular Requirements.*

Particular requirements consist of the parts as follows:

- GB 14536.3, *Particular Requirements for Thermal Motor Protectors* (IEC 60730-2-2, IDT);
- GB 14536.4, *Particular Requirements for Thermal Protectors for Ballasts for Tubular Fluorescent Lamps* (IEC 60730-2-3, IDT);
- GB 14536.5, *Particular Requirements for Thermal Motor Protectors for Motor-Compressors of Hermetic and Semi-hermetic Type* (IEC 60730-2-4, IDT);
- GB 14536.6, *Particular Requirements for Automatic Electrical Burner Control Systems* (IEC 60730-2-5, IDT);
- GB 14536.7, *Particular Requirements for Automatic Electrical Pressure Sensing Controls Including Mechanical Requirements* (IEC 60730-2-6, IDT);
- GB 14536.8, *Particular Requirements for Timers and Time Switches* (IEC 60730-2-7, IDT);
- GB 14536.9, *Particular Requirements for Electrically Operated Water Valves Including Mechanical Requirements* (IEC 60730-2-8, IDT);
- GB 14536.10, *Particular Requirements for Temperature Sensing Controls* (IEC 60730-2-9, IDT);
- GB 14536.11, *Particular Requirements for Motor-Starting Relays* (IEC 60730-2-10, IDT);
- GB 14536.12, *Particular Requirements for Energy Regulators* (IEC 60730-2-11, IDT);
- GB 14536.13, *Particular Requirements for Electrically Operated Door Locks* (IEC 60730-2-12, IDT);
- GB 14536.15, *Particular Requirements for Humidity Sensing Controls* (IEC 60730-2-13, IDT);

- GB 14536.16, *Particular Requirements for Electric Actuators* (IEC 60730-2-14, IDT);
- GB 14536.17, *Particular Requirements for Automatic Electric Water Level Sensing Controls of the Float or Electrode-sensor Type Used in Boiler Applications* (IEC 60730-2-15, IDT);
- GB 14536.18, *Particular Requirements for Automatic Electrical Water Level Controls of the Float Type for Household and Similar Applications* (IEC 60730-2-16, IDT);
- GB 14536.19, *Particular Requirements for Electrically Operated Gas Valves Including Mechanical Requirements* (IEC 60730-2-17, IDT);
- GB 14536.20, *Particular Requirements for Automatic Electric Water and Air Flow Sensing Controls Including Mechanical Requirements* (IEC 60730-2-18, IDT);
- GB 14536.21, *Particular requirements for electrically operated oil valves including mechanical requirements* (IEC 60730-2-19, IDT);

...

This part equivalently adopts IEC 60730-2-10: 2006, *Automatic Electrical Controls for Household and Similar Use - Part 2-10: Particular Requirements for Motor-starting Relays*.

The structure of this part is the same as that of IEC 60730-2-10:2006. In this part, if there is a corresponding national standard, refer to the national standard; and if there is no national standard for the time being, refer to the IEC standard listed.

For the convenience of use, the following editorial modifications are made in this part:

- a) the word “this standard” is changed into “this Part”;
- b) the decimal point “.” is used to replace the comma “,” that is acted as the decimal point;
- b) the foreword of the national standard is added.

This part shall be used in conjunction with GB 14536.1-2008, *Automatic Electrical Controls for Household and Similar Use - Part 1: General Requirements*.

This Part replaces GB 14536.11-1996, *Automatic Electrical Controls for Household and Similar Use - Particular Requirements for Motor-starting Relays*.

Compared with GB 14536.11-1996, the major changes of this part are as follows:

- the names of several clauses are modified in accordance with the changes of GB 14536.1;

Automatic Electrical Controls for Household and Similar Use - Particular Requirements for Motor-starting Relays

1 Scope and normative references

This clause GB 14536.1 is applicable except as follows:

1.1 Replacement:

This Part applies to controls for automatically controlling the starting windings of single phase motors associated with equipment for household and similar use.

This Part applies to motor-starting relays using NTC or PTC thermistors, additional requirements for which are contained in Annex J.

1.1.1 This Part applies to the inherent safety, to the operating values, operating times and operating sequences where such are associated with equipment safety, and to the testing of motor-starting relays used in, or in association with, household or similar equipment.

Motor-starting relays for equipment not intended for normal household use, but which nevertheless may be used by the public, such as equipment intended to be used by laymen in shops, in light industry and on farms, are within the scope of this part.

This Part does not apply to motor-starting relays designed exclusively for industrial applications.

NOTE Throughout this part, the word "equipment" means "appliance and equipment". The words "starting relay" mean "motor-starting relay".

1.1.2 This Part applies to starting relays incorporating electronic devices and starting relays using thermistor elements, thermal elements and magnetic elements.

1.1.3 This Part does not apply to general purpose relays or to contactors and motor starters of the type covered by the GB 14048 series. This Part does not apply to mechanical timers or mechanically operated motor-starting devices.

1.1.4 This Part applies to manual controls when such are electrically and/or mechanically integral with starting relays.

Requirements for manual switches not forming part of a starting relay are contained in GB 15092.1.

1.2 Replacement:

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