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

GB/T 31463.1-2015

**Devices for the connection of luminaires for household and
similar purposes -- Part 1: General requirements**

家用和类似用途灯具的连接装置 第1部分：通用要求

(English Translation)

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Foreword

GB/T 31463 "Household and similar fixtures connecting means" is divided into two parts.

--- Part 1. General requirements;

Part --- Article 2. DCL using standard sheet.

This part of GB/T 31463 Part 1.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses redrafted law revision using IEC 61995-1:2005 (First Edition) "Household and similar fixtures connecting means Part 1. General requirements. " this part of IEC 61995-1:2005 and its technical differences for the following reasons.

--- On normative references, this part has been adjusted technical differences, in order to adapt our technical conditions, the adjusted situation Focus is reflected in the status of Chapter 2, "Normative references", the specific adjustments are as follows.

- with the GB/T 2423.8-1995 Environmental testing for electric and electronic products Part 2. Test methods Test Ed. Free fall Fall (idt IEC 60068-2-32:1990) instead of IEC 60068-2-32. 1975;

- measurement method GB/T 4207 solid insulating materials resistance to tracking index and comparative tracking index (GB/T 4207-2012, IEC 60112:2009, IDT) instead of IEC 60112;

- with GB 4208 housing protection (IP Code) (GB 4208-2008, IEC 60529:2001, IDT) instead of IEC 60529;

- with the GB/T 5023.5 rated voltage of 450/750V and below PVC insulated cables - Part 5. Flexible cables (cords Line) (GB/T 5023.5-2008, IEC 60227-5:2003, IDT) instead of IEC 60227-5;

- with the GB/T 5169.11 Fire hazard testing for electric and electronic products - Part 11. This test method Glowing/hot wire based Glow-wire flammability test method for the finished product (GB/T 5169.11-2006, IEC 60695-2-11:2000, IDT) instead of IEC 60695-2-11;

- with the GB/T 5465.2-2008 Graphical symbols for electrical equipment - Part 2. Graphical symbols (IEC 60417DB.

2007, IDT) instead of the IEC 60417DB;

- based on citations, increasing the connection device GB/T 31463.2 luminaires for household and similar purposes Part 2. DCL Standard Binder (GB/T 31463.2-2015, IEC 61995-2:2009, MOD).

--- In order to maintain consistency with other standard electrical accessories in the IEC 61995-1:2005 Chapter 1 of the third paragraph "a rated voltage of 125V or 250V50/60Hz. "To" the lamp connecting device rated voltage 50V or more but not exceeding 250V50 /60Hz. ";

--- On the use of ambient temperature, taking into account the country's geographical location, natural climate actual temperature distribution, the Yangtze River to Mean annual

temperature in South Asia and the Wet Tropics Wet Tropics and the maximum temperature is higher, the larger the humidity, so this section will IEC 61995-1:2005 Chapter 1. "Ambient temperature is usually not more than 25 °C, but occasionally reaches 35 °C" was changed to "ambient temperature Usually not more than 35 °C, but occasionally reaches 40 °C. "

--- Taking into account China's power grid voltage level and the lamp connection means actual use of products, the IEC 61995-1:2005 Section 6 gives the voltage, current rating to modify the corresponding preferred value;

--- Moisture on the test temperature according to the ambient temperature of the concrete, this section provides moisture test temperature (40 ± 2) °C, IEC 61995-1. 15.2 2005 provisions for any value $t \pm 1K$ 20 °C ~ 30 °C between.

This part made the following editorial changes.

--- According to GB/T 1.1-2009 relevant provisions in Chapter 1, "scope" in paragraph 1 supplemented with "GB/T 31463 regulations of this part Given the classification of household and similar fixtures connected devices, signs, check the size, structure, mechanical properties, electrical properties, etc.

skills requirement. ";

--- In order to express more clearly the IEC 61995-1:2005 Chapter 1 "Scope" in Paragraph 2 changes to "Note 1.

GB/T 31463.2 gives 6A plug and socket type, size. "Delete paragraph 2 of the original; Note 1, Note 2, 3 adjustment as Note 2, Note 3, 4;

--- According to GB/T 1.1-2009 relevant provisions of the IEC 61995-1:2005 Chapter 3 Clause 2 and 3 paragraph to read "Notes";

--- According to GB/T 1.1-2009 relevant provisions will be interspersed in the IEC 61995-1:2005 Fig moved after the text;

--- Remove the IEC 61995-1:2005 applies to other countries, some comments, such as Chapter 1 NOTE 2, 7.3.1.1 injection, 10.2.2

Note 2 and the like;

--- For standard references cited in the corresponding country we have standards, using the latest national standards of China.

This part is proposed by the China Electrical Equipment Industrial Association.

This part of the National Electric annex Standardization Technical Committee (SAC/TC67) centralized.

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1 Scope

GB/T 31463 provisions of this part of the household and similar fixtures connecting device classification, marking, dimensional inspection, structural, mechanical Mechanical properties, electrical properties and other technical requirements.

This section applies to household and similar fixtures connecting means (DCL), and the fixed lighting electrical circuit connected to the terminal Connected devices, the termination circuit does not exceed the rated current of 16A, and does not provide mechanical support for the lamps. Connected lighting device in accordance with GB 4208 use in its IP rating.

Note 1: GB/T 31463.2 gives 6A plug and socket type, size.

Luminaire connection device rated voltage 50V or more but not exceeding 250V50/60Hz.

Note 2: This section does not include an integrated DCL plug (under consideration).

This section is also applicable to many types, except with standardized interfaces.

Subject to this section of the DCL plugs and sockets for use under the following conditions.

--- Ambient temperature is usually not more than 35 °C, but occasionally reaches 40 °C.

Note 3: The heating effect generated by the lamp may affect the ambient temperature DCL's location.

--- Containing lamps and heating effect generated by the current path, terminal temperature DCL outlet does not exceed 70 °C.

Note 4: When assembling different interfaces or different ratings DCL test, this section also serves as a guide and test requirements.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 2423.8-1995 Environmental testing for electric and electronic products Part 2. Test methods Test Ed. Free fall (idt IEC 60068-2-32:1990) GB/T 2423.55-2006 Environmental testing for electric and electronic products Part 2. Test methods - Test Eh. Hammer tests (IEC 60068-2-75:1997, IDT) Determination of index GB/T 4207 solid insulating materials resistance to tracking index and comparative tracking (GB/T 4207-2012, IEC 60112:2009,