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

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Replacing GB/T 17936-2007

Bayonet lampholders

卡口灯座

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1 Scope

This document applies to B15d and B22d bayonet lampholders used to connect lamps and semi-luminaires to a supply voltage of 250 V.

This document also applies to lampholders integrated in a luminaire or intended to be mounted inside equipment, but it covers only the requirements that fall on the lampholder itself.

For all the other requirements, such as protection against electric shock in the area of the terminals, the requirements of the standard of the relevant appliance apply; the lampholder is first mounted in a suitable device and is tested at the same time as that device is examined against its own standard. Lampholders supplied to luminaire manufacturers are not sold at retail.

The maximum operating temperature of a lampholder used in a luminaire is given in IEC 60598-1.

B15d denotes the lamp cap and lampholder fitting system laid down by sheet 7004-11 of IEC 60061-1 and sheet 7005-16 of IEC 60061-2 and by the corresponding gauges.

B22d denotes the lamp cap and lampholder fitting system laid down by sheet 7004-10 of IEC 60061-1 and sheet 7005-10 of IEC 60061-2 and by the corresponding gauges.

2 Normative references

The content of the following documents forms, through the normative references made in the text, clauses that are indispensable to this document. For dated references only the edition corresponding to that date applies; for undated references the latest edition, including all amendments, applies.

GB/T 4207-2012 Method for the determination of the proof and the comparative tracking indices of solid insulating materials (IEC 60112:2009, IDT); GB/T 4208-2017 Degrees of protection provided by enclosure (IP code) (IEC 60529:2013, IDT); ISO 4046-4:2016 Paper, board, pulps and related terms - Vocabulary - Part 4: Paper and board grades and converted products.

IEC 60061 (all parts) Lamp caps and holders together with gauges for the control of interchangeability and safety, with Part 1 on lamp caps, Part 2 on lampholders and Part 3 on gauges; a note gives the corresponding GB/T 1483 (all parts).

IEC 60068-2-75:2014 Environmental testing - Part 2-75: Tests - Test Eh: Hammer test, with a note giving GB/T 2423.55-2006; IEC 60227 (all parts) Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V, with a note giving GB/T 5023 (all parts); IEC 60245 (all parts) Rubber insulated cables - Rated voltages up to and including 450/750 V, with a note giving GB/T 5013 (all parts).

IEC 60399 Barrel thread for lampholders with shade holder ring, with a note giving GB/T 20144-2016; IEC 60432 (all parts) Incandescent lamps - Safety specifications, with a note giving GB 14196 (all parts); IEC 60598-1 Luminaires - Part 1: General requirements and tests, with a note giving GB 7000.1-2015; IEC 60664-1 Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests, with a note giving GB/T 16935.1-2008.

IEC 60695-2-11 Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods -

Glow-wire flammability test method for end-products (GWEPT), with a note giving GB/T 5169.11-2017; IEC 60695-11-5 Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance, with a note giving GB/T 5169.5-2020.

3 Terms and definitions

The following terms and definitions apply to this document. For standardized use, ISO and IEC keep terminology databases at <http://www.electropedia.org/> and <http://www.iso.org/obp>.

3.1 materials.

3.1.1 plastic lampholder - A lampholder whose enclosure is made entirely of plastic material. Note: the enclosure of the lampholder means all the parts that the test finger shown in GB/T 4208-2017 can touch directly when the lampholder is connected to the supply cord and mounted in the test arrangement of Figure 7.

3.1.2 ceramic lampholder - A lampholder whose enclosure is made entirely of ceramic material. Note: see the note to 3.1.1.

3.1.3 metal lampholder - A lampholder whose enclosure is made wholly or partly of metal. Note: see the note to 3.1.1.

3.2 means of fixing.

3.2.1 cord grip lampholder - A lampholder fitted with a device able to grip the flexible cord, by means of which the lampholder can be suspended. See Figure 4a).

3.2.2 threaded entry lampholder - A lampholder with a threaded part at the supply cord entry so that it can be mounted on a support carrying a matching thread. Note: a threaded entry lampholder was formerly called a screw-socket lampholder. See Figure 4b).

3.2.3 backplate lampholder - A lampholder that can be mounted directly on a supporting surface or on a suitable enclosure by means of a composite base or an integral base. See Figure 4c).

3.3 terminal/contact assembly - The part or sub-assembly that establishes the connection between the end of the supply conductor and the contact of the lamp cap, and that is resilient so as to keep the contact pressure. Note 1: movable type, the terminal can rise parallel to the axis of the lamp when the lamp cap is inserted into the lampholder. Note 2: fixed type, the terminal cannot rise when the lamp cap is inserted into the lampholder. Note 3: the terminal and the barrel connection can be the same part. See Figure 4.

3.4 union ring - A cylindrical part that holds together the separate external parts of the lampholder. See Figure 4.

3.5 shade ring - An annular part carrying an internal thread or another device that engages

a matching support on the lampholder enclosure, used to hold a shade. See Figure 4.

3.6 skirt - A cylindrical part similar to a shade ring but whose length is greater than the overall length of the lampholder body. Note: it applies only to plastic lampholders. See Figure 4.

3.6.1 protective shield - A part similar to a skirt but with a flared, trumpet-shaped end, so as to prevent accidental contact between the user and the lamp cap. Note: it applies only to plastic lampholders. See Figure 9.

3.7 dome - The part of a cord grip lampholder or of a threaded entry lampholder that protects the terminals.