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

GB 19651.1-2008

Replacing GB/T 19651.1-2008

**Miscellaneous lampholders - Part 1: General requirements and
tests**

杂类灯座 第1部分：一般要求和试验

(English Translation)

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Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents" Drafting.

This document is Part 1 of GB/T 19651 "Miscellaneous Lamp Holders". GB/T 19651 has published the following parts.

---Part 1: General requirements and tests;

---Part 2-1.Special requirements for S14 lamp holders;

---Part 2-2.Special requirements for connectors for LED modules.

This document replaces GB/T 19651.1-2008 "Miscellaneous lampholders Part 1: General requirements and tests" and is consistent with GB/T 19651.1-Compared with 2008, in addition to structural adjustments and editorial changes, the main technical changes are as follows.

---Added the definition of "basic insulation" (see 3.14~3.27);

---Added "Lamp Classification" according to the polarity of the lamp holder and the application form according to the trigger voltage (see 6.3 and 6.4);

--- Added detailed provisions for signs (see 7.2 and 7.3);

---Added detailed provisions for the barrel-shaped threaded lamp holder and lampshade ring of the lampshade ring (see 11.5);

---Changed the requirements for the insulation parts to be tested (see 12.2.1, 11.2.1 of the 2008 edition);

---Changed the distance requirements for creepage distance and electrical clearance (see Chapter 15, Chapter 14 of the 2008 edition);

---Added detailed provisions for creepage distances and electrical clearances (see Chapter 15).

This document is equivalent to IEC 60838-1:2020 "Miscellaneous lampholders - Part 1: General requirements and tests".

Please note that some content in this document may be subject to patents. The publisher of this document assumes no responsibility for identifying patents.

Introduction

There are many types of miscellaneous lamp holders with different products. In order to ensure the safety of miscellaneous lamp holders and standardize product production and product inspection, various miscellaneous lamp holders are the standardization of lamp holders has become the foundation of the work of production enterprises and testing institutions. GB/T 19651 "Miscellaneous Lamp Holders" aims to establish the the safety requirements and inspection specifications of the seat are composed of three parts.

---Part 1: General requirements and tests. The purpose is to establish the safety

requirements and tests for various types of built-in miscellaneous lamp holders method.

---Part 2-1.Special requirements for S14 lamp holders. The purpose is to establish the built-in and Special requirements and test methods for the safety of independent S14 lamp holders.

---Part 2-2.Special requirements for connectors for LED modules. The purpose is to establish miscellaneous built-in connectors (including LED modules Special requirements and test methods for connectors for internal connections of blocks).

Miscellaneous lampholders - Part 1: General requirements and tests

1 Scope

This document gives test methods for verifying the safety of lamps used in lampholders.

This document applies to various types of built-in miscellaneous lamp holders (for general lighting sources, projections equipped with various lamp holders listed in Appendix A lamps, floodlights and street lighting).

This document also applies to integral lamp holders that are integrated with the lamp, but only involves the requirements for lamp holders.

This document also applies to lampholders incorporated into a housing and integrated into a dome similar to a screw lampholder. Further testing of this type of lamp holder is required Follow the relevant provisions of IEC 60238.

There are separate standards for the requirements for tubular fluorescent lamp holders, screw lamp holders and bayonet lamp holders.

2 Normative reference documents

The contents of the following documents constitute essential provisions of this document through normative references in the text. Among them, the dated quotations for undated referenced documents, only the version corresponding to that date applies to this document; for undated referenced documents, the latest version (including all amendments) applies to this document.

GB/T 4207-2012 Method for determination of tracking resistance index and relative tracking index of solid insulating materials (IEC 60112.

2009,IDT)

GB/T 4208-2017 Enclosure protection level (IP code) (IEC 60529:2013, IDT) GB 7000.1-2015 Luminaires Part 1: General requirements and tests (IEC 60598-1:2014, IDT) GB/T 16935.1-2008 Insulation coordination of equipment in low-voltage systems Part 1: Principles, requirements and tests (IEC 60664-1.

2007, IDT)

ISO 1456 Metallic and other inorganic coatings Electrodeposition coatings of nickel, plus chromium, copper plus nickel and copper plus nickel plus chromium (Metalicand Note. GB/T 9797-2022 Metal and other inorganic coatings Nickel, nickel-chromium, copper-nickel and copper-nickel-chromium electroplating layers (ISO 1456:2009, MOD) ISO 2081 Metallic and other inorganic coatings Zinc electroplating for secondary treatment of iron or steel (Metalicandother Note. GB/T 9799-2011 Metal and other inorganic coatings Treated zinc electroplating on steel (ISO 2081:2008, IDT) testmethods) Note. GB/T 12599-2002 Technical specifications and test methods for tin electroplating of metal covering layers (ISO 2093:1986, MOD) ISO 4046-4:2016 Paper, paperboard, pulp and their terms Glossary Part 4: Grading and conversion products of paper and paperboard products) Note. ISO 4046-4:2002 quoted by ISO 60838-1:2020 has been abolished. The quoted content of ISO 4046-4:2016 in this document is consistent with ISO 4046-4.

There are no technical differences in what was cited in 2002.

IEC 60061-2 Lamp caps, lamp holders and gauges for testing their interchangeability and safety - Part 2: Lampcaps and