

**BUREAU OF INDIAN STANDARDS**  
**DRAFT FOR COMMENTS ONLY**

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*Draft Indian Standard*

**LIGHTNING PROTECTION SYSTEM COMPONENTS (LPSC) –  
Part 8: Requirements for components for isolated LPS**  
(ICS 29.020; 91.120.40)

Electrical Installation  
Sectional Committee, ETD 20

Last date for Comments -26/02/2024

**FOREWORD**

(Formal clauses will be added later)

This draft standard which is identical with IEC TS 62561-8:2018 ‘Lightning protection system components (LPSC) – Part 8: Requirements for components for isolated LPS’ issued by the International Electrotechnical Commission (IEC) is proposed to be adopted by the Bureau of Indian Standards on the recommendation of the Electrical Installation Sectional Committee and approval of the Electrotechnical Division Council.

The text of the IEC Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

- a) Wherever the words ‘International Standard’ appears referring to this standard, they should be read as ‘Indian Standard’.
- b) Comma (,) has been used as a decimal marker, while in Indian Standards the current practice is to use a point (.) as the decimal marker.

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
IEC 60060-2:2010, High-voltage test techniques – Part 2: Measuring systems	IS/IEC 60060-2 : 2010 High - Voltage test techniques: Part 2 measuring systems	Identical

IEC 60068-2-75:2014, Environmental testing –Part 2:Tests – Test Eh: Hammer tests	IS 9000 (Part 7/Sec 7) : 2020 Environmental Testing Part 7 Tests Section 7 Test Eh: Hammer tests ( First Revision )	Identical with IEC 60068-2-75:2014
IEC 61083-1, Instruments and software used for measurement in high-voltage impulse tests – Part 1: Requirements for instruments	IS 15638 (Part 1) : 2006 Instruments and software used for measurement in high - Voltage impulse tests: Part 1 requirements for instruments	Identical with IEC 61083-1 : 2001
IEC 61083-2, Instruments and software used for measurement in high-voltage and highcurrent tests – Part 2: Requirements for software for tests with impulse voltages and currents	IS 15638 (Part 2) : 2018 Instruments and software used for measurement in high - Voltage and high current tests: Part 2 requirements for software for tests with impulse voltages and currents (First Revision)	Identical with IEC 60183-2 : 2013
IEC 62305-3, Protection against lightning – Part 3: Physical damage to structures and life hazard	IS/IEC 62305-3 : 2010 Protection against lightning: Part 3 physical damage to structures and life hazard	Identical
ISO 6957:1988, Copper alloys – Ammonia test for stress corrosion resistance	IS 16872 : 2019 Copper Alloys - Ammonia Test for Stress Corrosion Resistance	Identical with ISO 6957:1988

In this adopted standard, reference appears to International Standards for which Indian Standards also exists. The corresponding Indian Standards, which are to be substituted, are listed below along with their degree of equivalence for the editions indicated:

The technical committee has reviewed the provisions of the following international standards referred in this adopted standard and decided that they are acceptable for use in conjunction with this standard.

<i>International Standard</i>	<i>Title</i>
IEC 60068-2-52:2017	Environmental testing – Part 2: Tests – Test Kb: Salt mist, cyclic (sodium chloride solution)
IEC 62561-1:2017	Lightning protection system components (LPSC) – Part 1: Requirements for connection components
IEC 62561-2:2012	Lightning protection system components (LPSC) – Part 2: Requirements for conductors and earth electrodes
IEC 62561-4	Lightning protection system components (LPSC) – Part 4: Requirements for conductor fasteners
ISO 4892-2	Plastics – Methods of exposure to laboratory light sources – Part 2: Xenon-arc lamps
ISO 4892-3:2016	Plastics – Methods of exposure to laboratory light sources – Part 3:

	Fluorescent UV lamps
ISO 4892-4	Plastics – Methods of exposure to laboratory light sources – Part 4: Open-flame carbon-arc lamps
ISO 6988:1985	Metallic and other non-organic coatings – Sulfur dioxide test with general condensation of moisture

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value, observed or calculated expressing the result of a test, shall be rounded off in accordance with IS 2: 2022 'Rules for rounding off numerical values (*Second Revision*)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

### Scope

This standard specifies the requirements and tests for insulating stand-offs, used in conjunction with an air-termination system and down-conductors with the aim of maintaining the proper separation distance, and the requirements and tests for insulating down-conductors, including their specific fasteners, able to reduce the separation distance.

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Note — The technical content of their document has not been enclosed as there are identical with the corresponding IEC standards for details, please refer the corresponding IEC 62561-8-2018 or kindly contact:

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