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***Draft Indian Standard***

**INSULATORS OF CERAMIC MATERIAL OR GLASS FOR OVERHEAD LINES  
WITH A NOMINAL VOLTAGE GREATER THAN 1 000 V –IMPULSE  
PUNCTURE TESTING IN AIR**

Last date of receipt of comments is : 12 November 2021

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Electrical Insulators and Accessories Sectional Committee, ETD 06

**NATIONAL FOREWORD**

*(Formal clauses to be added later)*

This Indian Standard is identical with IEC 61211:2004, ‘ Insulators of ceramic material or glass for overhead lines with a nominal voltage greater than 1 000 V –Impulse puncture testing in air ’issued by the International Electro technical Commission (IEC).

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’ appear 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.

In this adopted standard, reference appears to the following International Standards for which Indian Standards also exist. The corresponding Indian Standards, and documents under print which are to be substituted in their places, are listed below along with their degree of equivalence for the editions indicated:

International Standard	Corresponding Indian Standard	Degree Of Equivalence
IEC 60050-471 International Electro Technical Vocabulary – Chapter 471: Insulators	Is 1885 (Part 54) : 2021 Electro technical Vocabulary Part 54 Insulators	Identical with IEC 60050-471:2007
IEC 60060-1 High voltage test techniques – Part 1: General definitions and test requirements	IS 2071 (Part 1) : 2016 High-voltage Test Techniques Part 1 General Definitions and Test Requirements ( <i>Third Revision</i> )	Identical IEC 60060-1:2010

IEC 60060-2 High Voltage Test Techniques – Part 2: Measuring Systems	IS/ IEC 60060-2:2010 High-Voltage Test Techniques Part 2 Measuring Systems	Identical with IEC 60060-2:2010
IEC 60305 Insulators For Overhead Lines With A Nominal Voltage Above 1 000 V – Ceramic Or Glass Insulator Units For A.C. Systems – Characteristics Of Insulator Units Of The Cap And Pin Type	IS/IEC 60305 : 1995 Insulators For Overhead Lines With A Nominal Voltage Above 1 000 V – Ceramic Or Glass Insulator Units For A.C. Systems – Characteristics Of Insulator Units Of The Cap And Pin Type	Identical IEC 60305 :1995
IEC 60383-1 Insulators for overhead lines with a nominal voltage above 1 000 V – Ceramic or glass insulator units for a.c. systems – Definitions, test methods and acceptance criteria	IS/IEC 60383 : Part 1:1993 Insulators for Overhead Lines with a Nominal Voltage Above 1 000 V Part 1 Ceramic or Glass Insulator Units for a.c. Systems Definitions, Test Methods and Acceptance Criteria	Identical with IEC 60383-1:1993
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	Identical with IEC 61083-1:2001

Only English language text has been retained while adopting it in this Indian Standard, and as such the page numbers given here are not the same as in the International Standard.

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: 1960 ‘Rules for rounding off numerical values (revised)’. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

Note: The technical content of the document is not available on website. For details, please refer the corresponding **IEC 61211:2004** or kindly contact:

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