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***Draft Indian Standard***

**HYBRID INSULATORS FOR A.C. AND D.C. FOR HIGH-VOLTAGE APPLICATIONS -  
DEFINITIONS, TEST METHODS AND ACCEPTANCE CRITERIA**

Last date for comments – 13 November 2021

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Electrical Insulators and Accessories Sectional Committee, ETD 06

**NATIONAL FOREWORD**

*(Formal clauses to be added later)*

This draft Indian Standard is identical with IEC 62896:2015 ‘Hybrid insulators for a.c. and d.c. for high-voltage applications - Definitions, test methods and acceptance criteria’ issued by the International Electrotechnical 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’ 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.

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:

<i>International Standard</i>	<i>Corresponding Indian Standard</i>	<i>Degree of Equivalence</i>
IEC 60050-471:2007 International Electrotechnical Vocabulary (IEV) – Part 471: Insulators	IS 1885 (Part 54) :2021 Electrotechnical Vocabulary: Part 54 Insulators	Identical with IEC 60050-471:2007
IEC 60168 Tests on indoor and outdoor post insulators of ceramic material or glass for systems with nominal voltages greater than 1000 V	IS/IEC 60168 :2000 Tests on indoor and outdoor post insulators of ceramic material or glass for systems with nominal voltages greater than 1 000 V	Identical with IEC 60168-2000

IEC 60383-1 Insulators for overhead lines with a nominal voltage above 1000 V – Part 1: 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 60383-2 Insulators for overhead lines with a nominal voltage above 1000 V – Part 2: Insulator strings and insulator sets for a.c. systems – Definitions, test methods and acceptance criteria	IS/IEC 60383 (Part 2):1993 Insulators for overhead lines with a nominal voltage above 1 000 V Part 2 Insulator strings and insulator sets for a.c. systems – Definitions, test methods and acceptance criteria	Identical with IEC 60383-2:1993
IEC 62155 Hollow pressurized and unpressurized ceramic and glass insulators for use in electrical equipment with rated voltages greater than 1 000 V	IS/IEC 62155 :2003 Hollow Pressurized and Unpressurized Ceramic and Glass Insulators for Use in Electrical Equipment with Rated Voltages Greater Than 1 000 V	Identical with IEC 62155 : 2003
IEC 62217 Polymeric HV insulators for indoor and outdoor use – General definitions, test methods and acceptance criteria	IS 16684 :2018 Polymeric HV Insulators for Indoor and Outdoor Use-General Definitions, Test Methods and Acceptance Criteria	Identical with IEC 62217:2012

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 62896:2015** or kindly contact:

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