

BUREAU OF INDIAN STANDARDS
DRAFT FOR COMMENTS ONLY

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Draft Indian Standard

Insulation co-ordination - Part 11: Definitions, principles and rules for HVDC system

(ICS 29.080.30)

HVDC Power Systems
Sectional Committee, ETD 40

Last date for comments-25/07/2024

NATIONAL FOREWORD

This Draft Indian Standard which is identical with IEC 60071-11:2022 ‘Insulation co-ordination - Part 11: Definitions, principles and rules for HVDC system’ Issued by the International Electrotechnical Commission (IEC) is proposed to be adopted by the Bureau of Indian Standards on the recommendation of the HVDC Power Systems 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.

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 60060-1, High-voltage test techniques – Part 1: General definitions and test requirements	IS 2071 (Part 1) : 2016/ IEC 60060-1 : 2010 High - Voltage test techniques: Part 1 general definitions and test requirements (<i>Third Revision</i>)	Identical
IEC 60071-1:2019, Insulation co-ordination – Part 1: Definitions, principles and rules	IS 2165 (Part 1) : 1977/ IEC 60071-1:2019 Insulation co - Ordination: Part 1 phase to earth insulation co - Ordination, principles and rules	Identical

	(Second Revision)	
IEC 60071-2:2018, Insulation co-ordination – Part 2: Application guidelines	IS/IEC 60071-2 : 2018 Insulation Coordination Part 2: Application Guide	Identical
IEC 60099-4:2014, Surge arresters – Part 4: Metal-oxide surge arresters without gaps for a.c. systems	IS 15086 (Part 4) : 2017/ IEC 60099-4 : 2014 Surge arresters – Part 4: Metal-oxide surge arresters without gaps for a.c. systems	Identical
IEC TS 60815-1:2008, Selection and dimensioning of high-voltage insulators intended for use in polluted conditions – Part 1: Definitions, information and general principles	IS 16683 (Part 1) : 2018/ IEC TS 60815-1 : 2008 Selection and dimensioning of high - Voltage insulators intended for use in polluted conditions: Part 1 definitions, information and general principles	Identical
IEC TS 60815-2:2008, Selection and dimensioning of high-voltage insulators intended for use in polluted conditions – Part 2: Ceramic and glass insulators for a.c. systems	IS 16683 (Part 2) : 2018/ IEC TS 60815-2 : 2008 Selection and dimensioning of high - Voltage insulators intended for use in polluted conditions: Part 2 ceramic and glass insulators for a.c. systems	Identical
IEC TS 60815-3:2008, Selection and dimensioning of high-voltage insulators intended for use in polluted conditions – Part 3: Polymer insulators for a.c. systems	IS 16683 (Part 3) : 2018/ IEC TS 60815-3 : 2008 Selection and dimensioning of high - Voltage insulators intended for use in polluted conditions: Part 3 polymer insulators for a.c. systems	Identical

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: 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.

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 60071-11:2022 or kindly contact:

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