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**SELECTION AND DIMENSIONING OF HIGH-VOLTAGE INSULATORS INTENDED FOR
USE IN POLLUTED CONDITIONS – PART 4: INSULATORS FOR D.C. SYSTEMS**

Last date for comments – 13 November 2021

Electrical Insulators and Accessories Sectional Committee, ETD 06

NATIONAL FOREWORD

(Formal clauses to be added later)

This draft Indian Standard is identical with IEC 60815-4:2016 ‘Selection and dimensioning of high-voltage insulators intended for use in polluted conditions – Part 4: Insulators for d.c. systems’ 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 TS 61245 Artificial pollution tests on high-voltage ceramic and glass insulators to be used on d.c. systems	IS/IEC TS 61245 :2015 Artificial pollution tests on high - voltage ceramic and glass insulators to be used on d.c. systems	Identical with IEC TS 61245 :2015
IEC TS 60815-1:2008 Selection and dimensioning of high-voltage insulators intended for use in polluted conditions – Part 1	IS 16683 (Part 1):2018 Selection and dimensioning of high - voltage insulators intended for use in polluted conditions – Part	Identical with IEC TS 60815-1:2008

Definitions, information and general principles	1 Definitions, information and general principles	
IEC TS 60815-2 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 Selection and dimensioning of high - Voltage insulators intended for use in polluted conditions – Part 2 Ceramic and glass insulators for a.c. systems	Identical with IEC TS 60815-2:2008
IEC TS 60815-3 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 Selection and dimensioning of high - Voltage insulators intended for use in polluted conditions – Part 3 Polymer insulators for a.c. systems	Identical with IEC TS 60815-3:2008
IEC TS 62073 Guidance on the measurement of hydrophobicity of insulator surfaces	IS IEC TS 62073 Guidance on the measurement of hydrophobicity of insulator surfaces	Identical with IEC TS 62073:2016

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 TS 60815-4:2016** or kindly contact:

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