



National Standards Authority of Ireland  
Údarás um Chaighdeáin Náisiúnta na hÉireann

IRISH STANDARD

**I.S. EN 60085:2008**

ICS 29.035.01  
17.220.99

**ELECTRICAL INSULATION - THERMAL  
EVALUATION AND DESIGNATION (IEC  
60085:2007 (EQV))**

National Standards  
Authority of Ireland  
Glasnevin, Dublin 9  
Ireland

Tel: +353 1 807 3800  
Fax: +353 1 807 3838  
<http://www.nsai.ie>

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**I.S. EN 60085:2008**

**EUROPEAN STANDARD**

**EN 60085**

**NORME EUROPÉENNE**

**EUROPÄISCHE NORM**

January 2008

ICS 29.035.01; 17.220.99

Supersedes EN 60085:2004 and EN 62114:2001

English version

**Electrical insulation -  
Thermal evaluation and designation  
(IEC 60085:2007)**

Isolation électrique -  
Evaluation et désignation thermiques  
(CEI 60085:2007)

Elektrische Isolierung -  
Thermische Bewertung und Bezeichnung  
(IEC 60085:2007)

This European Standard was approved by CENELEC on 2007-12-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

**CENELEC**

European Committee for Electrotechnical Standardization  
Comité Européen de Normalisation Electrotechnique  
Europäisches Komitee für Elektrotechnische Normung

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

## **I.S. EN 60085:2008**

EN 60085:2008

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### **Foreword**

The text of document 112/74/FDIS, future edition 4 of IEC 60085, prepared by IEC TC 112, Evaluation and qualification of electrical insulating materials and systems, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60085 on 2007-12-01.

This European Standard supersedes EN 60085:2004 and EN 62114:2001.

The major technical changes with regard to EN 60085:2004 concern the fact that EN 60085:2008 is an amalgamation of EN 60085:2004 together with EN 62114:2001.

The following dates were fixed:

- |  |       |            |
|--|-------|------------|
| – latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2008-09-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn   | (dow) | 2010-12-01 |

Annex ZA has been added by CENELEC.

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### **Endorsement notice**

The text of the International Standard IEC 60085:2007 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

|             |  |
|-------------|--|
| IEC 60216-6 | NOTE Harmonized as EN 60216-6:2006 (not modified). |
|-------------|--|

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

| <u>Publication</u> | <u>Year</u>     | <u>Title</u>  | <u>EN/HD</u> | <u>Year</u>        |
|--------------------|-----------------|---|--------------|--------------------|
| IEC 60216-1        | - <sup>1)</sup> | Electrical insulating materials - Properties of thermal endurance -<br>Part 1: Ageing procedures and evaluation of test results                               | EN 60216-1   | 2001 <sup>2)</sup> |
| IEC 60216-5        | - <sup>1)</sup> | Electrical insulating materials - Thermal endurance properties -<br>Part 5: Determination of relative thermal endurance index (RTE) of an insulating material | EN 60216-5   | 2003 <sup>2)</sup> |
| IEC 60505          | - <sup>1)</sup> | Evaluation and qualification of electrical insulation systems   | EN 60505     | 2004 <sup>2)</sup> |
| IEC 61857          | Series          | Electrical insulation systems - Procedures for thermal evaluation   | EN 61857     | Series             |
| IEC 61858          | - <sup>1)</sup> | Electrical insulation systems - Thermal evaluation of modifications to an established wire-wound EIS  | EN 61858     | 2005 <sup>2)</sup> |

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.



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