



**NSAI**  
Standards

Irish Standard  
I.S. EN 61109:2008

"Insulators for overhead lines -  
Composite suspension and tension  
insulators for a.c. systems with a  
nominal voltage greater than 1 000 V -  
Definitions, test methods and  
acceptance criteria" (IEC 61109:2008  
(EQV))

## I.S. EN 61109:2008

*Incorporating amendments/corrigenda issued since publication:*

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**Insulators for overhead lines -  
Composite suspension and tension insulators for a.c. systems  
with a nominal voltage greater than 1 000 V -  
Definitions, test methods and acceptance criteria  
(IEC 61109:2008)**

Isolateurs pour lignes aériennes -  
Isolateurs composites de suspension  
et d'ancrage destinés aux systèmes  
à courant alternatif de tension nominale  
supérieure à 1 000 V -  
Définitions, méthodes d'essai  
et critères d'acceptation  
(CEI 61109:2008)

Isolatoren für Freileitungen -  
Verbund-Hänge- und -Abspannisolatoren  
für Wechselstromsysteme  
mit einer Nennspannung über 1 000 V -  
Begriffe, Prüfverfahren  
und Annahmekriterien  
(IEC 61109:2008)

This European Standard was approved by CENELEC on 2008-09-01. 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.

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**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 61109:2008**

EN 61109:2008

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### **Foreword**

The text of document 36B/274/FDIS, future edition 2 of IEC 61109, prepared by SC 36B, Insulators for overhead lines, of IEC TC 36, Insulators, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61109 on 2008-09-01.

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) 2009-06-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2011-09-01

Annex ZA has been added by CENELEC.

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### **Endorsement notice**

The text of the International Standard IEC 61109:2008 was approved by CENELEC as a European Standard without any modification.

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## 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 60383-1        | - <sup>1)</sup> | Insulators for overhead lines with a nominal voltage above 1 kV -<br>Part 1: Ceramic or glass insulator units for a.c. systems - Definitions, test methods and acceptance criteria     | EN 60383-1<br>+ A11          | 1996 <sup>2)</sup><br>1999 |
| IEC 60383-2        | - <sup>1)</sup> | Insulators for overhead lines with a nominal voltage above 1 kV -<br>Part 2: Insulator strings and insulator sets for a.c. systems - Definitions, test methods and acceptance criteria | EN 60383-2                   | 1995 <sup>2)</sup>         |
| IEC 61466-1        | - <sup>1)</sup> | Composite string insulator units for overhead lines with a nominal voltage greater than 1 kV -<br>Part 1: Standard strength classes and end fittings                                   | EN 61466-1                   | 1997 <sup>2)</sup>         |
| IEC 62217          | 2005            | Polymeric insulators for indoor and outdoor use with a nominal voltage > 1 000 V -<br>General definitions, test methods and acceptance criteria  | EN 62217<br>+ corr. December | 2006<br>2006               |
| ISO 3452           | Series          | Non-destructive testing - Penetrant inspection   | EN ISO 3452                  | Series                     |

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

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



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