



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 62068-1:2003

ICS 29.080.30

**ELECTRICAL INSULATION SYSTEMS -
ELECTRICAL STRESSES PRODUCED BY
REPETITIVE IMPULSES
PART 1: GENERAL METHOD OF EVALUATION
OF ELECTRICAL ENDURANCE
(IEC 62068-1:2003)**

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EUROPEAN STANDARD

EN 62068-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2003

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English version

**Electrical insulation systems –
Electrical stresses produced by repetitive impulses
Part 1: General method of evaluation of electrical endurance
(IEC 62068-1:2003)**

Systèmes d'isolation électrique -
Contraintes électriques produites
par des impulsions de tension appliquées
périodiquement
Partie 1: Méthode générale d'évaluation
de l'endurance électrique
(CEI 62068-1:2003)

Elektrische Isoliersysteme (EIS) -
Elektrische Belastungen durch sich
wiederholende Impulse
Teil 1: Allgemeines Prüfverfahren zur
Beurteilung der elektrischen Belastbarkeit
(IEC 62068-1:2003)

This European Standard was approved by CENELEC on 2003-10-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and 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

Foreword

The text of document 98/188/FDIS, future edition 1 of IEC 62068-1, prepared by IEC TC 98, Electrical insulation systems (EIS), was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62068-1 on 2003-10-01.

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) 2004-07-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2006-10-01

Annexes designated "normative" are part of the body of the standard.
Annexes designated "informative" are given for information only.
In this standard, annex ZA is normative and annex A is informative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62068-1:2003 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60270	NOTE	Harmonized as EN 60270:2001 (not modified).
IEC 60505	NOTE	Harmonized as EN 60505:2000 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 60727-1	- ¹⁾	Evaluation of electrical endurance of electrical insulation systems Part 1: General considerations and evaluation procedures based on normal distributions	-	-
IEC 61649	- ¹⁾	Goodness-of-fit tests, confidence intervals and lower confidence limits for Weibull distributed data	-	-

¹⁾ Undated reference.

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