

Electrical insulation systems — Electrical stresses produced by repetitive impulses —

Part 1: General method of evaluation of electrical endurance

The European Standard EN 62068-1:2003 has the status of a British Standard

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National foreword

This British Standard is the official English language version of EN 62068-1:2003. It is identical with IEC 62068-1:2003.

The UK participation in its preparation was entrusted to Technical Committee GEL/98, Electrical insulation systems, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 15 and a back cover.

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**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.

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CENELEC

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

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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).

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INTRODUCTION

International Standard IEC 62068 consists of the following parts under the general title *Electrical insulation systems – Electrical stresses produced by repetitive impulses*:

Part 1: General method of evaluation of electrical endurance

Part 2: State of the art

Other parts of IEC 62068 describing specific test procedures for particular insulation system models are still under consideration. Alternatively, product technical committees may use IEC 62068-1 as a basis for their own specific test.