

STN	Elektroizolačné materiály a systémy. Všeobecná metóda hodnotenia elektrickej odolnosti opakujúcimi sa napäťovými impulzmi.	STN EN 62068 34 6222
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Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Obsahuje: EN 62068:2013, IEC 62068:2013

Oznámením tejto normy sa od 15.4.2016 ruší
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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 62068

September 2013

ICS 29.080.30

Supersedes EN 62068-1:2003

English version

**Electrical insulating materials and systems -
General method of evaluation of electrical endurance under repetitive
voltage impulses
(IEC 62068:2013)**

Matériaux et systèmes d'isolation
électriques -
Méthode générale d'évaluation de
l'endurance électrique soumise à des
impulsions de tension appliquées
périodiquement
(CEI 62068:2013)

Elektrische Isolierstoffe und
Isoliersysteme -
Allgemeines Verfahren zur Bewertung der
elektrischen Lebensdauer bei
Beanspruchung mit sich wiederholenden
Spannungsimpulsen
(IEC 62068:2013)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Foreword

The text of document 112/234/FDIS, future edition 1 of IEC 62068, prepared by IEC TC 112 "Evaluation and qualification of electrical insulating materials and systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62068:2013.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2014-03-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-04-15

This document supersedes EN 62068-1:2003.

EN 62068:2013 includes the following significant technical changes with respect to EN 62068-1:2003:

The main changes with regard to EN 62068-1:2003 concern the terms and definitions which are now aligned, in part, on IEC/TS 61934 and CLC/TS 60034-18-42.

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

IEC/TS 60034-18-42:2008	NOTE	Harmonised as CLC/TS 60034-18-42:2011 (not modified).
IEC 60505:2011	NOTE	Harmonised as EN 60505:2011 (not modified).
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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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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 62539	-	Guide for the statistical analysis of electrical insulation breakdown data	-	-



IEC 62068

Edition 1.0 2013-03

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Electrical insulating materials and systems – General method of evaluation of electrical endurance under repetitive voltage impulses

Matériaux et systèmes d'isolation électriques – Méthode générale d'évaluation de l'endurance électrique soumise à des impulsions de tension appliquées périodiquement



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Edition 1.0 2013-03

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Electrical insulating materials and systems – General method of evaluation of electrical endurance under repetitive voltage impulses

Matériaux et systèmes d'isolation électriques – Méthode générale d'évaluation de l'endurance électrique soumise à des impulsions de tension appliquées périodiquement

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICAL INSULATING MATERIALS AND SYSTEMS –
GENERAL METHOD OF EVALUATION OF ELECTRICAL ENDURANCE
UNDER REPETITIVE VOLTAGE IMPULSES**

FOREWORD

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International Standard IEC 62068 has been prepared by IEC technical committee 112: Evaluation and qualification of electrical insulating materials and systems.

This first edition of IEC 62068 replaces IEC 62068-1:2003. It has been re-numbered as IEC 62068, as decided at the Plenary Meeting of TC 112 in Prague 2011.

The main changes with regard to IEC 62068-1:2003 concern the terms and definitions which are now aligned, in part, on IEC/TS 61934 [1]¹ and IEC/TS 60034-18-42 [2].

¹ Figures in square brackets refer to the bibliography.

The text of this standard is based on the following documents:

FDIS	Report on voting
112/234/FDIS	112/242/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The committee has decided that the contents of this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

ELECTRICAL INSULATING MATERIALS AND SYSTEMS – GENERAL METHOD OF EVALUATION OF ELECTRICAL ENDURANCE UNDER REPETITIVE VOLTAGE IMPULSES

1 Scope

This International Standard applies to electrical equipment, regardless of voltage, containing an insulation system, which is

- connected to an electronic power supply, and
- requires an evaluation of insulation endurance under repetitive voltage impulses.

This standard proposes a general test procedure to facilitate screening of electrical insulating materials (EIM) and systems (EIS) and to achieve a relative evaluation of insulation endurance under conditions of repetitive impulses.

2 Normative references

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

IEC 62539, *Guide for the statistical analysis of electrical insulation breakdown data*

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