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Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Obsahuje: EN 60243-3:2014, IEC 60243-3:2013

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**EUROPEAN STANDARD**  
**NORME EUROPÉENNE**  
**EUROPÄISCHE NORM**

**EN 60243-3**

February 2014

ICS 17.220.99; 29.035.01

Supersedes EN 60243-3:2001

English version

**Electric strength of insulating materials -  
Test methods -  
Part 3: Additional requirements for 1,2/50 µs impulse tests  
(IEC 60243-3:2013)**

Rigidité diélectrique des matériaux isolants - Méthodes d'essai - Partie 3: Exigences complémentaires pour les essais aux ondes de choc 1,2/50 µs  
(CEI 60243-3:2013)

Elektrische Durchschlagfestigkeit von isolierenden Werkstoffen - Prüfverfahren - Teil 3: Zusätzliche Festlegungen für 1,2/50 µs Stoßspannungsprüfungen  
(IEC 60243-3:2013)

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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 112/246/CDV, future edition 3 of IEC 60243-3, prepared by IEC/TC 112 "Evaluation and qualification of electrical insulation materials and systems" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60243-3:2014.

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) 2014-09-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-12-31

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(normative)**Normative references to international 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 60243-1	2013	Electric strength of insulating materials - Test methods - Part 1: Tests at power frequencies	EN 60243-1	2013



# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Electric strength of insulating materials – Test methods –  
Part 3: Additional requirements for 1,2/50 µs impulse tests**

**Rigidité diélectrique des matériaux isolants – Méthodes d'essai –  
Partie 3: Exigences complémentaires pour les essais  
aux ondes de choc 1,2/50 µs**





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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Electric strength of insulating materials – Test methods –  
Part 3: Additional requirements for 1,2/50 µs impulse tests**

**Rigidité diélectrique des matériaux isolants – Méthodes d'essai –  
Partie 3: Exigences complémentaires pour les essais  
aux ondes de choc 1,2/50 µs**

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# INTERNATIONAL ELECTROTECHNICAL COMMISSION

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## **ELECTRIC STRENGTH OF INSULATING MATERIALS – TEST METHODS –**

### **Part 3: Additional requirements for 1,2/50 µs impulse tests**

#### FOREWORD

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International Standard IEC 60243-3 has been prepared by technical committee 112: Evaluation and qualification of electrical insulation materials and systems.

This third edition cancels and replaces the second edition, published in 2001, and constitutes an editorial revision.

This part of IEC 60243 shall be read in conjunction with IEC 60243-1.

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

CDV	Report on voting
112/246/CDV	112/267A/RVC

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.

A list of all parts in the IEC 60243 series, published under the general title *Electric strength of insulating materials – Test methods*, can be found on the IEC website.

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.

## ELECTRIC STRENGTH OF INSULATING MATERIALS – TEST METHODS –

### Part 3: Additional requirements for 1,2/50 µs impulse tests

#### 1 Scope

This part of IEC 60243 gives requirements additional to those in IEC 60243-1 for the determination of the electric strength of solid insulating materials under 1,2/50 µs impulse voltage stress.

#### 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 60243-1:2013, *Electric strength of insulating materials – Test methods – Part 1: Tests at power frequencies*

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