



BSI Standards Publication

Dielectric and resistive properties of solid insulating materials

Part 3-1: Determination of resistive properties (DC methods) —
Volume resistance and volume resistivity — General method

National foreword

This British Standard is the UK implementation of EN 62631-3-1:2023. It is identical to IEC 62631-3-1:2023. It supersedes BS EN 62631-3-1:2016, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee GEL/112, Evaluation and qualification of electrical insulating materials and systems.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

Date	Text affected
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English Version

Dielectric and resistive properties of solid insulating materials -
Part 3-1: Determination of resistive properties (DC methods) -
Volume resistance and volume resistivity - General method
(IEC 62631-3-1:2023)

Propriétés diélectriques et résistives des matériaux isolants
solides - Partie 3-1: Détermination des propriétés résistives
(méthodes en courant continu) - Résistance volumique et
résistivité volumique - Méthode générale
(IEC 62631-3-1:2023)

Dielektrische und resistive Eigenschaften fester Isolierstoffe
- Teil 3-1: Bestimmung resistiver Eigenschaften
(Gleichspannungsverfahren) - Durchgangswiderstand und
spezifischer Durchgangswiderstand - Basisverfahren
(IEC 62631-3-1:2023)

This European Standard was approved by CENELEC on 2023-02-27. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 112/597/FDIS, future edition 2 of IEC 62631-3-1, 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 IEC 62631-3-1:2023.

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) 2023-11-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-02-27

This document supersedes EN 62631-3-1:2016 and all of its amendments and corrigenda (if any).

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Endorsement notice

The text of the International Standard IEC 62631-3-1:2023 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 62631-3-11 NOTE Approved as EN IEC 62631-3-11

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60212	-	Standard conditions for use prior to and during the testing of solid electrical insulating materials	EN 60212	-
IEC 60455-2	-	Resin based reactive compounds used for electrical insulation - Part 2: Methods of test	EN 60455-2	-
IEC 60464-2	-	Varnishes used for electrical insulation - Part 2: Methods of test	EN 60464-2	-
IEC 61212-2	-	Insulating materials - Industrial rigid round laminated tubes and rods based on thermosetting resins for electrical purposes - Part 2: Methods of test	EN 61212-2	-

