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**Dielektrične in uporovne lastnosti trdnih izolacijskih materialov - 2-3. del:  
Relativna permitivnost in faktor dielektričnih izgub - Metoda kontaktne elektrode  
za izolacijske folije - Metode AC (IEC 62631-2-3:2024)**

Dielectric and resistive properties of solid insulating materials - Part 2-3: Relative permittivity and dissipation factor - Contact electrode method for insulating films - AC methods (IEC 62631-2-3:2024)

Dielektrische und resistive Eigenschaften fester Isolierstoffe - Teil 2-3: Bestimmung der relativen Permittivität und des dielektrischen Verlustfaktors (Wechselspannungsverfahren) - Kontaktelektrodenverfahren für Isolierschichten (IEC 62631-2-3:2024)

Propriétés diélectriques et résistives des matériaux isolants solides - Partie 2-3 : Permittivité relative et facteur de dissipation - Méthode d'électrode de contact pour films isolants - Méthodes en courant alternatif (IEC 62631-2-3:2024)

**Ta slovenski standard je istoveten z: EN IEC 62631-2-3:2024**

**ICS:**

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29.035.01	Izolacijski materiali na splošno	Insulating materials in general

**SIST EN IEC 62631-2-3:2024****en**



EUROPEAN STANDARD

EN IEC 62631-2-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2024

ICS 17.220.99; 29.035.01

English Version

Dielectric and resistive properties of solid insulating materials -  
Part 2-3: Relative permittivity and dissipation factor - Contact  
electrode method for insulating films - AC methods  
(IEC 62631-2-3:2024)

Propriétés diélectriques et résistives des matériaux isolants  
solides - Partie 2-3 : Permittivité relative et facteur de  
dissipation - Méthode d'électrode de contact pour films  
isolants - Méthodes en courant alternatif  
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dielektrischen Verlustfaktors (Wechselspannungsverfahren)  
- Kontaktelektrodenverfahren für Isolierschichten  
(IEC 62631-2-3:2024)

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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

**EN IEC 62631-2-3:2024 (E)****European foreword**

The text of document 112/631/FDIS, future edition 1 of IEC 62631-2-3, 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 62631-2-3:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2025-02-10 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2027-05-10 document have to be withdrawn

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

IEC 62631-2-1:2018      NOTE      Approved as EN IEC 62631-2-1:2018 (not modified)

ISO 25178-2              NOTE      Approved as EN ISO 25178-2

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## 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.cencenelec.eu](http://www.cencenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60674-2	—	Specification for plastic films for electrical purposes - Part 2: Methods of test	EN 60674-2	—
ISO 4593	—	Plastics - Film and sheeting - Determination of thickness by mechanical scanning	—	—
ISO 14644-1	—	Cleanrooms and associated controlled environments – Part 1: Classification of air cleanliness by particle concentration	EN ISO 14644-1	—
ISO 21920-2	—	Geometrical product specifications (GPS) – Surface texture: Profile – Part 2: Terms, definitions and surface texture parameters	EN ISO 21920-2	—

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IEC 62631-2-3

Edition 1.0 2024-04

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Dielectric and resistive properties of solid insulating materials –  
Part 2-3: Relative permittivity and dissipation factor – Contact electrode method  
for insulating films – AC methods**

**Propriétés diélectriques et résistives des matériaux isolants solides –  
Partie 2-3 : Permittivité relative et facteur de dissipation – Méthode d'électrode  
de contact pour films isolants – Méthodes en courant alternatif**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**DIELECTRIC AND RESISTIVE PROPERTIES OF  
SOLID INSULATING MATERIALS –**
**Part 2-3: Relative permittivity and dissipation factor –  
Contact electrode method for insulating films – AC methods**

## FOREWORD

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IEC 62631-2-3 has been prepared by IEC technical committee 112: Evaluation and qualification of electrical insulating materials and systems. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
112/631/FDIS	112/641/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

A list of all parts in the IEC 62631 series, published under the general title *Dielectric and resistive properties of solid insulating materials*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under [webstore.iec.ch](http://webstore.iec.ch) in the data related to the specific document. At this date, the document will be

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