

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

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

**Propriétés diélectriques et résistives des matériaux isolants solides –  
Partie 3-1: Détermination des propriétés résistives (méthodes en courant  
continu) – Résistance transversale et résistivité transversale – Méthode générale**



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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**DIELECTRIC AND RESISTIVE PROPERTIES  
OF SOLID INSULATING MATERIALS –****Part 3-1: Determination of resistive properties (DC methods) –  
Volume resistance and volume resistivity – General method**

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International Standard IEC 62631-3-1 has been prepared by IEC technical committee TC 112: Evaluation and qualification of electrical insulating materials and systems.

This first edition of IEC 62631-3-1 cancels and replaces the second edition of IEC 60093, published in 1980. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the second edition of IEC 60093:

- a) IEC 60093 has been completely revised, both editorially and technically, and incorporated into the new IEC 62631 series;
- b) test methods have been updated to current day state of the art;
- c) volume and surface resistance and resistivity are now separated to appear in this part of IEC 62631 and in IEC 62631-3-2, respectively.

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

FDIS	Report on voting
112/339/FDIS	112/350/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.

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 publication will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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