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Project No. 2018/00021

Responsible committee: GEL/112 Evaluation and qualification of electrical insulating materials and systems

Interested committees:

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

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard

- i) has any issues related to 3rd party IPR, patent or copyright
- ii) affects other national standard(s)
- iii) requires additional national guidance or information

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/Figure/ Table/Note	Type of comment	Commend (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

PROJECT NUMBER:
IEC 62631-3-1 ED2

DATE OF CIRCULATION:
2019-09-13

CLOSING DATE FOR COMMENTS:
2019-12-06

SUPERSEDES DOCUMENTS:
112/420/RR

IEC TC 112 : EVALUATION AND QUALIFICATION OF ELECTRICAL INSULATING MATERIALS AND SYSTEMS

SECRETARIAT:
Germany

SECRETARY:
Mr Bernd Komanschek

OF INTEREST TO THE FOLLOWING COMMITTEES:
TC 15

PROPOSED HORIZONTAL STANDARD:
☐

6) Other TC/SCs are requested to indicate their interest, if any, in this CD to the secretary.

FUNCTIONS CONCERNED:

☐ EMC

☐ ENVIRONMENT

☐ QUALITY ASSURANCE

☐ SAFETY

7) This document is still under study and subject to change. It should not be used for reference purposes.

8) Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

TITLE:

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

NOTE FROM TC/SC OFFICERS:

CONTENTS

CONTENTS	2
FOREWORD	3
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Significance	6
5 Method of test	6
5.1 General	6
5.2 Power supply, voltage	6
5.3 Equipment	7
5.3.1 Accuracy	7
5.3.2 Guarding	7
5.3.3 Electrodes	8
5.4 Calibration	10
5.5 Test specimen	10
5.5.1 General	10
5.5.2 Manufacturing of test specimens	10
5.5.3 Number of test specimen	10
5.5.4 Conditioning and pre-treatment of test specimen	10
5.6 Procedures for specific materials	10
6 Test procedure	11
6.1 General	11
6.2 Measurement of volume resistance	11
6.3 Calculation of volume resistivity	11
7 Test report	11
8 Repeatability and reproducibility	12
Bibliography	13
Figure 1 – Basic connection for guarded electrodes	8
Figure 2 – Specimen with liquid electrodes	9

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**

FOREWORD

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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.