



SLOVENSKI STANDARD SIST EN IEC 61340-4-3:2018

01-maj-2018

Nadomešča:
SIST EN 61340-4-3:2002

Elektrostatika - 4-3. del: Standardne preskusne metode za posebno uporabo - Obutev (IEC 61340-4-3:2017)

Electrostatics - Part 4-3: Standard test methods for specific applications - Footwear (IEC 61340-4-3:2017)

Elektrostatik - Teil 4-3: Standard-Prüfverfahren für spezielle Anwendungen - Schuhwerk (IEC 61340-4-3:2017)

Electrostatique - Partie 4-3: Méthodes d'essai normalisées pour des applications spécifiques - Chaussures (IEC 61340-4-3:2017)

Ta slovenski standard je istoveten z: EN IEC 61340-4-3:2018

ICS:

17.220.99	Drugi standardi v zvezi z električno in magnetizmom	Other standards related to electricity and magnetism
61.060	Obuvala	Footwear

SIST EN IEC 61340-4-3:2018 en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN IEC 61340-4-3:2018

<https://standards.iteh.ai/catalog/standards/sist/912ed556-d65f-4c0d-914a-00265e178e20/sist-en-iec-61340-4-3-2018>

EUROPEAN STANDARD

EN IEC 61340-4-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

March 2018

ICS 17.220.99; 29.020; 61.060

Supersedes EN 61340-4-3:2001

English Version

Electrostatics - Part 4-3: Standard test methods for specific applications - Footwear (IEC 61340-4-3:2017)

Electrostatique - Partie 4-3: Méthodes d'essai normalisées pour des applications spécifiques - Chaussures
(IEC 61340-4-3:2017)

Elektrostatik - Teil 4-3: Standard-Prüfverfahren für spezielle Anwendungen - Schuhwerk
(IEC 61340-4-3:2017)

This European Standard was approved by CENELEC on 2018-01-17. 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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 61340-4-3:2018 (E)**European foreword**

The text of document 101/544/FDIS, future edition 2 of IEC 61340-4-3, prepared by IEC/TC 101 "Electrostatics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61340-4-3:2018.

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) 2018-10-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-01-17

This document supersedes EN 61340-4-3:2001.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 61340-4-3:2017 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 61340-2-3 NOTE Harmonized as EN 61340-2-3.

<https://standards.iteh.ai/catalog/standards/sist/912ed556-d65f-4c0d-914a-00265e178e20/sist-en-iec-61340-4-3-2018>

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 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	EN 62631-3-1	-
IEC 62631-3-2	-	Dielectric and resistive properties of solid insulating materials - Part 3-2 Determination of resistive properties (DC methods) - Surface resistance and surface resistivity	EN 62631-3-2	-
IEC 62631-3-3	-	Dielectric and resistive properties of solid insulating materials - Part 3-3: Determination of resistive properties (DC methods) - Insulation resistance	EN 62631-3-3	-

<https://standards.iteh.ai/catalog/standards/sist/912ed556-d65f-4c0d-914a-00265e178e20/sist-en-iec-61340-4-3-2018>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN IEC 61340-4-3:2018

<https://standards.iteh.ai/catalog/standards/sist/912ed556-d65f-4c0d-914a-00265e178e20/sist-en-iec-61340-4-3-2018>



IEC 61340-4-3

Edition 2.0 2017-12

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Electrostatics – iTeh STANDARD PREVIEW
Part 4-3: Standard test methods for specific applications – Footwear
(standards.iteh.ai)

Électrostatique –
Partie 4-3: Méthodes d'essai normalisées pour des applications spécifiques –
Chaussures

SIST EN IEC 61340-4-3:2018

http://standards.iteh.ai/catalog/standards/sist-en-iec-61340-4-3-2018

00265e178e20/sist-en-iec-61340-4-3-2018

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 17.220.99; 29.020; 61.060

ISBN 978-2-8322-5139-3

Warning! Make sure that you obtained this publication from an authorized distributor.
Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.

CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references.....	6
3 Terms and definitions.....	6
4 Test specimens	7
5 Environment for conditioning and testing	7
5.1 Conditioning and controlled environment for qualification tests.....	7
5.2 Environment for acceptance tests.....	7
6 Test report.....	7
7 Test equipment.....	8
7.1 Load applied to footwear under test.....	8
7.2 Conductive electrode.....	8
7.3 Counter electrode.....	8
7.4 Insulative support plate	8
7.5 Resistance measurement apparatus.....	8
7.5.1 General	8
7.5.2 Laboratory evaluations (qualification testing)	8
7.5.3 Acceptance testing.....	9
7.6 Environmental test chamber.....	9
8 Test procedure	9
9 Repeatability and reproducibility.....	10
Bibliography.....	11
Figure 1 – Form-fitting weight and measuring set-up (schematic).....	9
Table 1 – Controlled conditions for electrical measurements.....	7

INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTROSTATICS –

**Part 4-3: Standard test methods for specific applications –
Footwear**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61340-4-3 has been prepared by IEC technical committee 101: Electrostatics.

This second edition cancels and replaces the first edition published in 2001. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) classification of footwear as electrostatic conductive or electrostatic dissipative has been removed – classification is not specified;
- b) environmental classes for laboratory testing have been removed – one set of conditions for pre-conditioning, conditioning and testing is specified;
- c) reference to IEC 61340-2-3 for measuring the resistance of the counter electrode inserted inside footwear has been removed.