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**Elektrostatika - 5-3. del: Zaščita elektronskih naprav pred elektrostatičnimi pojavi - Lastnosti in klasifikacija zahtev za embalažo naprav, ki so občutljive za elektrostatične razelektritve (IEC 61340-5-3:2010)**

Electrostatics - Part 5-3: Protection of electronic devices from electrostatic phenomena - Properties and requirements classifications for packaging intended for electrostatic discharge sensitive devices (IEC 61340-5-3:2010)

**Elektrostatik - Teil 5-3: Schutz von elektronischen Bauelementen gegen elektrostatistische Phänomene - Eigenschaften und Anforderungen für die Klassifizierung von Verpackungen welche für Bauelemente verwendet werden, die gegen elektrostatistische Entladungen empfindlich sind (IEC 61340-5-3:2010)**

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Electrostatique - Partie 5-3: Protection des dispositifs électroniques contre les phénomènes électrostatiques - Classifications des propriétés et des exigences relatives à l'emballage destiné aux dispositifs sensibles aux décharges électrostatiques (CEI 61340-5-3:2010)

**Ta slovenski standard je istoveten z: EN 61340-5-3:2010**

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**ICS:**

17.220.99	Drugi standardi v zvezi z elektriko in magnetizmom	Other standards related to electricity and magnetism
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**SIST EN 61340-5-3:2010**

**en**

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EUROPEAN STANDARD  
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**EN 61340-5-3**

May 2010

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English version

**Electrostatics -  
Part 5-3: Protection of electronic devices from electrostatic phenomena -  
Properties and requirements classifications for packaging intended  
for electrostatic discharge sensitive devices  
(IEC 61340-5-3:2010)**

Electrostatique -  
Partie 5-3: Protection des dispositifs  
électroniques contre les phénomènes  
électrostatiques -  
Classifications des propriétés  
et des exigences relatives à l'emballage  
destiné aux dispositifs sensibles  
aux décharges électrostatiques  
(CEI 61340-5-3:2010)

Elektrostatik -  
Teil 5-3: Schutz von elektronischen  
Bauelementen gegen elektrostatische  
Phänomene -  
Eigenschaften und Anforderungen  
für die Klassifizierung von Verpackungen  
welche für Bauelemente verwendet  
werden, die gegen elektrostatische  
Entladungen empfindlich sind  
(IEC 61340-5-3:2010)

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

**CENELEC**

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

**Management Centre: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 101/295/FDIS, future edition 1 of IEC 61340-5-3, prepared by IEC TC 101, Electrostatics, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61340-5-3 on 2010-05-01.

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

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2011-02-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2013-05-01

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 61340-5-3:2010 was approved by CENELEC as a European Standard without any modification.

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

- [2] IEC 61340-5-1 NOTE Harmonized as EN 61340-5-1
- [3] IEC/TR 61340-5-2 NOTE Harmonized as CLC/TR 61340-5-2
- [4] IEC 61340-3-1 NOTE Harmonized as EN 61340-3-1.
- [5] IEC 61340-3-2 NOTE Harmonized as EN 61340-3-2.

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61340-2-3	-	Electrostatics - Part 2-3: Methods of test for determining the resistance and resistivity of solid planar materials used to avoid electrostatic charge accumulation	EN 61340-2-3	-
IEC 61340-4-8	-	Electrostatics - Part 4-8: Standard test methods for specific applications - Discharge shielding - Bags	-	-
ANSI/ESD STM 11.13	-	Two-point resistance measurement	-	-

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IEC 61340-5-3

Edition 1.0 2010-03

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Electrostatics – iTeh STANDARD PREVIEW**  
**Part 5-3: Protection of electronic devices from electrostatic phenomena –**  
**Properties and requirements classification for packaging intended for**  
**electrostatic discharge sensitive devices**

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**Electrostatique –**  
**Partie 5-3: Protection des dispositifs électroniques contre les phénomènes**  
**électrostatiques – Classification des propriétés et des exigences relatives à**  
**l'emballage destiné aux dispositifs sensibles aux décharges électrostatiques**

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## CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
1 Scope.....	6
2 Normative references .....	6
3 Terms and definitions .....	6
4 Tailoring .....	7
5 Packaging application requirement .....	7
5.1 General.....	7
5.2 Inside an EPA .....	7
5.3 Outside an EPA.....	8
6 Classification of ESD packaging material properties .....	8
6.1 General.....	8
6.2 Material resistance properties .....	8
6.2.1 Resistance of conductive materials.....	8
6.2.2 Resistance of electrostatic field shielding materials .....	8
6.2.3 Resistance of dissipative materials.....	9
6.2.4 Resistance of insulative materials.....	9
6.3 Material electrostatic shielding properties .....	9
6.3.1 Electrostatic discharge shielding .....	9
6.3.2 Electrostatic field shielding.....	9
7 Technical requirements for ESD protective packaging .....	9
7.1 Packaging and material properties .....	9
7.2 Packaging marking.....	9
7.2.1 Classification symbol.....	9
7.2.2 Packaging classification .....	9
7.2.3 Traceability.....	9
Annex A (informative) ESD packaging material guidance .....	13
Annex B (informative) Device damage .....	17
Bibliography.....	18
Figure 1 – Example of packaging label.....	10
Figure 2 – Examples of EPA configurations .....	12
Figure A.1 – Application of ESD protective packaging.....	15
Table 1 – Test methods for electrostatic protective packaging .....	10
Table 2 – Test methods and requirements for electrostatic discharge shielding packaging .....	11
Table A.1 – Packaging characteristics for environmental consideration.....	13
Table A.2 – Examples for qualification and verification of packaging.....	16



## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## ELECTROSTATICS –

**Part 5-3: Protection of electronic devices from electrostatic phenomena –  
Properties and requirements classification for packaging intended for  
electrostatic discharge sensitive devices**

## FOREWORD

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International Standard IEC 61340-5-3 has been prepared by IEC technical committee 101: Electrostatics.

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

FDIS	Report on voting
101/295/FDIS	101/302/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.

This standard was written based on the ESD Association Standard ANSI/ESD S541-2003 [1]<sup>1</sup> with some modification in relation to IEC 61340-5-1:2007 [2] and IEC/TR 61340-5-2:2007 [3].

A list of all parts in the IEC 61340 series, under the general title *Electrostatics*, can be found on the IEC website

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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<sup>1</sup> References in square brackets refer to the bibliography.

## INTRODUCTION

Packaging is necessary to protect electrostatic discharge sensitive devices (ESDS) from physical and environmental damage during manufacture, transportation and storage.

Additionally, packaging for ESDS should also prevent damage from static electricity.

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