

Electrostatics - Part 4-8: Standard test methods for
specific applications - Electrostatic discharge shielding -
Bags

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

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Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
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English Version

**Electrostatics - Part 4-8: Standard test methods for specific applications - Electrostatic discharge shielding - Bags
(IEC 61340-4-8:2014)**

Electrostatique - Partie 4-8: Méthodes d'essai normalisées
pour des applications spécifiques - Blindage contre les
décharges électrostatiques - Sacs
(IEC 61340-4-8:2014)

Elektrostatik - Teil 4-8: Standard-Prüfverfahren für spezielle
Anwendungen - Schirmwirkung gegen elektrostatische
Entladung - Beutel
(IEC 61340-4-8:2014)

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

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Foreword

The text of document 101/448/FDIS, future edition 2 of IEC 61340-4-8, prepared by IEC/TC 101 "Electrostatics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61340-4-8:2015.

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) 2015-10-01
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-01-01

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Endorsement notice

The text of the International Standard IEC 61340-4-8:2014 was approved by CENELEC as a European Standard without any modification.

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When 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 60093	-	Methods of test for volume resistivity and surface resistivity of solid electrical insulating materials	HD 429 S1	-
IEC 61340-3-1	-	Electrostatics - Part 3-1: Methods for simulation of electrostatic effects - Human body model (HBM) electrostatic discharge test waveforms	EN 61340-3-1	-
IEC 61340-5-3	-	Electrostatics - Part 5-3: Protection of electronic devices from electrostatic phenomena - Properties and requirements classifications for packaging intended for electrostatic discharge sensitive devices	EN 61340-5-3	-

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INTRODUCTION

It is the intention of this part of IEC 61340 to provide industry with a common, repeatable method for testing and determining the electrostatic discharge shielding ability of electrostatic discharge shielding bags.

This test method describes the use of a single current probe in order to obtain the energy value inside a bag when tested with a 1 000 V human body model discharge pulse in an ESD simulator.

The standard addresses important variables such as:

- discharge waveform characteristics;
- capacitive probe capacitance;
- bag size.