

KAITSE ELEKTRILÖÖGI EEST. ÜHISNÕUDED
PAIGALDISTELE JA SEADMETELE

Protection against electric shock - Common aspects for
installation and equipment

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 61140:2016 sisaldab Euroopa standardi EN 61140:2016 ingliskeelset teksti.	This Estonian standard EVS-EN 61140:2016 consists of the English text of the European standard EN 61140:2016.
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

**Protection against electric shock - Common aspects for
installation and equipment
(IEC 61140:2016)**

Protection contre les chocs électriques - Aspects communs
aux installations et aux matériels
(IEC 61140:2016)

Schutz gegen elektrischen Schlag - Gemeinsame
Anforderungen für Anlagen und Betriebsmittel
(IEC 61140:2016)

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

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European foreword

The text of document 64/2076/FDIS, future edition 4 of IEC 61140, prepared by IEC/TC 64 "Electrical installations and protection against electric shock" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61140:2016.

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) 2016-11-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2019-05-27

This document supersedes EN 61140:2002.

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Endorsement notice

The text of the International Standard IEC 61140:2016 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:

IEC 60364-4-41:2005	NOTE	Harmonized as HD 60364-4-41:2007 (modified).
IEC 60364-4-44:2007	NOTE	Harmonized as HD 60364-4-442:2012 (modified) and as HD 60364-4-444:2010 (modified).
IEC 60364-6:2006	NOTE	Harmonized as HD 60364-6:2007 (modified).
IEC 60601-1	NOTE	Harmonized as EN 60601-1.
IEC 61558-2-6	NOTE	Harmonized as EN 61558-2-6.
IEC 61936-1	NOTE	Harmonized as EN 61936-1.

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 60038	-	IEC standard voltages	EN 60038	-
IEC 60068	series	Environmental testing	EN 60068	series
IEC 60071-1	-	Insulation co-ordination - Part 1: Definitions, principles and rules	EN 60071-1	-
IEC 60071-2	-	Insulation co-ordination - Part 2: Application guide	EN 60071-2	-
IEC 60364-5-54	2011	Low-voltage electrical installations - Part 5-54: Selection and erection of electrical equipment - Earthing arrangements and protective conductors	HD 60364-5-54	2011
IEC 60417	-	Graphical symbols for use on equipment	-	-
IEC 60445	-	Basic and safety principles for man- machine interface, marking and identification - Identification of equipment terminals, conductor terminations and conductors	EN 60445	-
IEC/TS 60479-1	2005	Effects of current on human beings and livestock - Part 1: General aspects	-	-
IEC/TR 60479-5	-	Effects of current on human beings and livestock - Part 5: Touch voltage threshold values for physiological effects	-	-
IEC 60529	-	Degrees of protection provided by enclosures (IP Code)	EN 60529	-
IEC 60664	series	Insulation coordination for equipment within low-voltage systems	EN 60664	series
IEC 60664-1	2007	Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests	EN 60664-1	2007

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60721	series	Classification of environmental conditions	EN 60721	series
IEC 60990	-	Methods of measurement of touch current and protective conductor current	EN 60990	-
IEC/TS 61201	2007	Use of conventional touch voltage limits - Application guide	-	-
IEC 62271-102	-	High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches	EN 62271-102	-
IEC Guide 104	-	The preparation of safety publications and the use of basic safety publications and group safety publications	-	-
ISO/IEC Guide 51	2014	Safety aspects - Guidelines for their inclusion in standards	-	-

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