

**MADALPINGELISED ELEKTRIPAIGALDISED. OSA 5-53:
ELEKTRISEADMETE VALIK JA PAIGALDAMINE.
TURVALAHUTAMINE, LÜLITAMINE JA JUHTIMINE.
JAOTIS 534: TRANSIENTLIIGPINGEKAITSEVAHENDID**

**Low-voltage electrical installations - Part 5-53:
Selection and erection of electrical equipment -
Isolation, switching and control - Clause 534: Devices
for protection against overvoltages**

EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

See Eesti standard EVS-HD 60364-5-534:2016 sisaldab Euroopa standardi HD 60364-5-534:2016 ingliskeelset teksti.	This Estonian standard EVS-HD 60364-5-534:2016 consists of the English text of the European standard HD 60364-5-534:2016.
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.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 19.02.2016.	Date of Availability of the European standard is 19.02.2016.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile standardiosakond@evs.ee.

ICS 29.130, 91.140.50

Standardite reprodutseerimise ja levitamise õigus kuulub Eesti Standardikeskusele

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English Version

Low-voltage electrical installations - Part 5-53: Selection and erection of electrical equipment - Isolation, switching and control - Clause 534: Devices for protection against transient overvoltages (IEC 60364-5-53:2001/A2:2015 , modified)

Installations électriques à basse tension - Partie 5-53: Choix et mise en oeuvre des matériels électriques - Sectionnement, coupure et commande - Article 534: Dispositifs de protection contre les surtensions transitoires (IEC 60364-5-53:2001/A2:2015 , modifiée)

Errichten von Niederspannungsanlagen - Teil 5-53: Auswahl und Errichtung elektrischer Betriebsmittel - Trennen, Schalten und Steuern - Abschnitt 534: Überspannung-Schutzeinrichtungen (ÜSE) (IEC 60364-5-53:2001/A2:2015 , modifiziert)

This Harmonization Document was approved by CENELEC on 2015-12-14. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document at national level.

Up-to-date lists and bibliographical references concerning such national implementations may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

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, 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

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European foreword

The text of document 64/2031/FDIS, future IEC 60364-5-53:2001/A2 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 HD 60364-5-534:2016.

A draft amendment, which covers common modifications to IEC 60364-5-53:2001/A2:2015 (64/2031/FDIS), was prepared by CLC/TC 64 “Electrical installations and protection against electric shock” and approved by CENELEC.

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) 2016-12-14
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-12-14

HD 60364-5-534:2016 supersedes HD 60364-5-534:2008.

HD 60364-5-534:2016 includes the following significant technical changes with respect to the previous edition: this document constitutes a complete structural and technical revision of HD 60364-5-534:2008. The most significant technical change refers to the selection requirements for the voltage protection level.

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

Clauses, subclauses, notes, tables, figures and annexes which are additional to those in IEC 60364-5-53:2001/A2:2015 are prefixed “Z”.

Endorsement notice

The text of the International Standard IEC 60364-5-53:2001/A2:2015 was approved by CENELEC as a Harmonization Document with agreed common modifications.

COMMON MODIFICATIONS

530.2 Normative references

Replace the text of 530.2 by the following:

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.

EN 60038, *CENELEC standard voltages (IEC 60038)*

HD 60364-4-41:2007 + corr. Jul. 2007, *Low-voltage electrical installations - Part 4-41: Protection for safety - Protection against electric shock (IEC 60364-4-41:2005, mod.)*

HD 60364-4-43:2010, *Low-voltage electrical installations - Part 4-43: Protection for safety - Protection against overcurrent (IEC 60364-4-43:2008, mod. + corr. Oct. 2008)*

HD 60364-4-443:2016, *Low-voltage electrical installations - Part 4-44: Protection for safety - Protection against voltage disturbances and electromagnetic disturbances - Clause 443: Protection against transient overvoltages of atmospheric origin or due to switching (IEC 60364-4-44:2007/A1:2015, mod.)*

HD 60364-5-54, *Low-voltage electrical installations - Part 5-54: Selection and erection of electrical equipment - Earthing arrangements and protective conductors (IEC 60364-5-54)*

EN 60664-1:2007, *Insulation coordination for equipment within low-voltage systems - Part 1: Principles, requirements and tests (IEC 60664-1:2007)*

EN 61643-11:2012, *Low-voltage surge protective devices - Part 11: Surge protective devices connected to low-voltage power systems - Requirements and test methods (IEC 61643-11:2011, mod.)*

CLC/TS 61643-12, *Low-voltage surge protective devices - Part 12: Surge protective devices connected to low-voltage power distribution systems - Selection and application principles (IEC 61643-12)*

EN 62305-1, *Protection against lightning - Part 1: General principles (IEC 62305-1)*

EN 62305-2, *Protection against lightning - Part 2: Risk management (IEC 62305-2)*

EN 62305-4, *Protection against lightning - Part 4: Electrical and electronic systems within structures (IEC 62305-4)*

IEC/TR 60664-2-1:2011, *Insulation coordination for equipment within low-voltage systems - Part 2-1: Application guide - Explanation of the application of the IEC 60664 series, dimensioning examples and dielectric testing*