

**MADALPINGELISED ELEKTRIPAIGALDISED. OSA 4-44:  
KAITSEVIISID. KAITSE PINGEHÄIRINGUTE JA  
ELEKTROMAGNETILISTE HÄIRINGUTE EEST. JAOTIS  
443: KAITSE TRANSIENTSETE PIKSE- JA  
LÜLITUSLIIGPINGETE EEST**

**Low-voltage electrical installations - Part 4-44:  
Protection for safety - Protection against voltage  
disturbances and electromagnetic disturbances -  
Clause 443: Protection against overvoltages of  
atmospheric origin or due to switching**

**EESTI STANDARDI EESSÕNA****NATIONAL FOREWORD**

See Eesti standard EVS-HD 60364-4-443:2016 sisaldab Euroopa standardi HD 60364-4-443:2016 ingliskeelset teksti.	This Estonian standard EVS-HD 60364-4-443:2016 consists of the English text of the European standard HD 60364-4-443:2016.
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](mailto:standardiosakond@evs.ee).

ICS 33.100.10, 33.100.20, 91.140.50

**Standardite reprodutseerimise ja levitamise õigus kuulub Eesti Standardikeskusele**

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonsesse süsteemi või edastamine ükskõik millises vormis või millisel teel ilma Eesti Standardikeskuse kirjaliku loata on keelatud.

Kui Teil on küsimusi standardite autorikaitse kohta, võtke palun ühendust Eesti Standardikeskusega:  
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English Version

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 , modified)

Installations électriques à basse tension - Partie 4-44: Protection pour assurer la sécurité - Protection contre les perturbations de tension et les perturbations électromagnétiques - Article 443: Protection contre les surtensions transitoires d'origine atmosphérique ou dues à des manoeuvres (IEC 60364-4-44:2007/A1:2015 , modifiée)

Errichten von Niederspannungsanlagen - Teil 4-44: Schutzmaßnahmen - Schutz bei Störspannungen und elektromagnetischen Störgrößen - Abschnitt 443: Schutz bei transienten Überspannungen infolge atmosphärischer Einflüsse oder von Schaltvorgängen (IEC 60364-4-44:2007/A1:2015 , 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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

## European foreword

The text of document 64/2032/FDIS, future IEC 60364-4-44:2007/A1 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 60364-4-443:2016.

A draft amendment, which covers common modifications to IEC 60364-4-44:2007/A1:2015 (64/2032/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 60364-4-443:2016 supersedes HD 60364-4-443:2006.

HD 60364-4-443:2016 includes the following significant technical changes with respect to the previous edition: this document constitutes a complete structural and technical revision of HD 60364-4-443:2006.

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 60364-4-44:2007/A1:2015 are prefixed “Z”.

## Endorsement notice

The text of the International Standard IEC 60364-4-44:2007/A1:2015 was approved by CENELEC as a Harmonization Document with agreed common modifications.

### COMMON MODIFICATIONS

#### 440.2 Normative references

**Replace** the text of 440.2 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 60364-5-534:2016, *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, mod.)*

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

EN 61000-4-5, *Electromagnetic compatibility (EMC) – Part 4-5: Testing and measurement techniques – Surge immunity test (IEC 61000-4-5)*

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

CLC/TS 61643-22, *Low-voltage surge protective devices – Part 22: Surge protective devices connected to telecommunications and signalling networks – Selection and application principles (IEC 61643-22)*

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

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*

#### 443.4 Overvoltage control

**Add** after the third indent the following fourth indent:

z1) a large number of individuals, e.g. large buildings, offices, schools.