



NSAI
Standards

Irish Standard Recommendation
S.R. 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

S.R. HD 60364-4-443:2016

Incorporating amendments/corrigenda/National Annexes issued since publication:

The National Standards Authority of Ireland (NSAI) produces the following categories of formal documents:

I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

S.R. xxx: Standard Recommendation — recommendation based on the consensus of an expert panel and subject to public consultation.

SWiFT xxx: A rapidly developed recommendatory document based on the consensus of the participants of an NSAI workshop.

This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):

NOTE: The date of any NSAI previous adoption may not match the date of its original CEN/CENELEC document.

This document is based on:

HD 60364-4-443:2016

Published:

2016-02-19

*This document was published
under the authority of the NSAI
and comes into effect on:*

2017-04-07

ICS number:

33.100.10

33.100.20

91.140.50

NOTE: If blank see CEN/CENELEC cover page

NSAI
1 Swift Square,
Northwood, Santry
Dublin 9

T +353 1 807 3800
F +353 1 807 3838
E standards@nsai.ie
W NSAI.ie

Sales:
T +353 1 857 6730
F +353 1 857 6729
W standards.ie

Údarás um Chaighdeáin Náisiúnta na hÉireann

National Foreword

S.R. HD 60364-4-443:2016 is the adopted Irish version of the European Document 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

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with this document does not of itself confer immunity from legal obligations.

In line with international standards practice the decimal point is shown as a comma (,) throughout this document.

This page is intentionally left blank

HARMONIZATION DOCUMENT

HD 60364-4-443

DOCUMENT D'HARMONISATION

HARMONISIERUNGSDOKUMENT

February 2016

ICS 33.100.10; 33.100.20; 91.140.50

Supersedes HD 60364-4-443:2006

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

HD 60364-4-443:2016

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 (dop) 2016-12-14
national level by publication of an identical national
standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2018-12-14
document have to be withdrawn

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.

This is a free preview. Purchase the entire publication at the link below:

[Product Page](#)

-
- Looking for additional Standards? Visit Intertek Inform Infostore
 - Learn about LexConnect, All Jurisdictions, Standards referenced in Australian legislation
-