



National Standards Authority of Ireland

IRISH STANDARD

**I.S./HD 384.4.442 S1:1998**

ICS 13.260  
91.140.50

**ELECTRICAL INSTALLATIONS OF BUILDINGS.**

**PART 4: PROTECTION FOR SAFETY**

**CHAPTER 44: PROTECTION**

**AGAINST OVERVOLTAGES**

**SECTION 442: PROTECTION OF LOW-VOLTAGE**

**E INSTALLATIONS AGAINST FAULTS**

**BETWEEN HIGH-VOLTAGE SYSTEMS AND**

**EARTH**

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Údarás um Chaighdeán Náisiúnta na hÉireann



## **DECLARATION**

**OF**

**SPECIFICATION**

**ENTITLED**

**ELECTRICAL INSTALLATIONS OF BUILDINGS. PART 4: PROTECTION FOR SAFETY  
CHAPTER 44: PROTECTION AGAINST OVERVOLTAGES  
SECTION 442: PROTECTION OF LOW-VOLTAGE INSTALLATIONS AGAINST  
FAULTS BETWEEN HIGH-VOLTAGE SYSTEMS AND EARTH**

**AS**

**THE IRISH STANDARD SPECIFICATION FOR**

**ELECTRICAL INSTALLATIONS OF BUILDINGS. PART 4: PROTECTION FOR SAFETY  
CHAPTER 44: PROTECTION AGAINST OVERVOLTAGES  
SECTION 442: PROTECTION OF LOW-VOLTAGE INSTALLATIONS AGAINST  
FAULTS BETWEEN HIGH-VOLTAGE SYSTEMS AND EARTH**

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NSAI in exercise of the power conferred by section 16 (3) of the National Standards Authority of Ireland Act, 1966 (No. 28 of 1996) and with the consent of the Minister for Enterprise, Trade and Employment, hereby declares as follows:

1. This instrument may be cited as the Standard Specification (Electrical installations of buildings. Part 4: Protection for safety Chapter 44: Protection against overvoltages Section 442: Protection of low-voltage installations against faults between high-voltage systems and earth) Declaration, 1998.
2. (1) The Specification set forth in the schedule to this declaration is hereby declared to be the standard specification for Electrical installations of buildings. Part 4: Protection for safety Chapter 44: Protection against overvoltages Section 442: Protection of low-voltage installations against faults between high-voltage systems and earth. The Schedule comprises the text of HD 384.4.442 S1:1997.  
(2) The said standard specification may be cited as Irish Standard/HD 384.4.442 S1:1998 or as I.S./HD 384.4.442 S1:1998.



**HARMONIZATION DOCUMENT**  
**DOCUMENT D'HARMONISATION**  
**HARMONISIERUNGSDOKUMENT**

**HD 384.4.442 S1**

January 1997

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ICS 91.140.50

Descriptors: Low-voltage installation, high-voltage fault, protection, equipment stress

English version

**Electrical installations of buildings**  
**Part 4: Protection for safety**  
**Chapter 44: Protection against overvoltages**  
**Section 442: Protection of low-voltage installations against**  
**faults between high-voltage systems and earth**

Installations électriques des bâtiments  
Partie 4: Protection pour assurer la  
sécurité  
Chapitre 44: Protection contre les  
surtensions  
Section 442: Protection des installations  
à basse tension contre les défauts à la  
terre dans les installations à haute  
tension

Elektrische Anlagen von Gebäuden  
Teil 4: Schutzmaßnahmen  
Kapitel 44: Schutz bei Überspannungen  
Hauptabschnitt 442: Schutz von  
Niederspannungsanlagen bei  
Erdschlüssen in Netzen mit höherer  
Spannung

This Harmonization Document was approved by CENELEC on 1996-12-09. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document on a national level.

Up-to-date lists and bibliographical references concerning such national implementation may be obtained on application to the Central Secretariat 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, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**CENELEC**

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

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### **Foreword**

This Harmonization Document was prepared by SC 64B, Protection against thermal effects, of Technical Committee CENELEC TC 64, Electrical installations of buildings.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as HD 384.4.442 S1 on 1996-12-09.

The following dates were fixed:

- latest date by which the existence of the HD  
has to be announced at national level (doa) 1997-06-01
  - latest date by which the HD has to be implemented  
at national level by publication of a harmonized  
national standard or by endorsement (dop) 1997-12-01
  - latest date by which the national standards conflicting  
with the HD have to be withdrawn (dow) 1997-12-01
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