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IRISH STANDARD

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91.140.50

**ELECTRICAL INSTALLATIONS OF  
BUILDINGS -- PART 4: PROTECTION FOR  
SAFETY -- CHAPTER 43: PROTECTION  
AGAINST OVERCURRENT**

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HARMONIZATION DOCUMENT

**HD 384.4.43 S2**

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November 2001

ICS 29.120.50; 91.140.50

Supersedes HD 384.4.43 S1:1980  
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English version

**Electrical installations of buildings**  
**Part 4: Protection for safety**  
**Chapter 43: Protection against overcurrent**  
(IEC 60364-4-43:1977 + A1:1997, modified)

Installations électriques des bâtiments  
Partie 4: Protection pour assurer  
la sécurité  
Chapitre 43: Protection contre  
les surintensités  
(CEI 60364-4-43:1977 + A1:1997,  
modifiée)

Elektrische Anlagen von Gebäuden  
Teil 4: Schutzmaßnahmen  
Kapitel 43: Schutz gegen Überstrom  
(IEC 60364-4-43:1977 + A1:1997,  
modifiziert)

This Harmonization Document was approved by CENELEC on 1999-08-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, 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

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

## Foreword

The texts of the International Standard IEC 60364-4-43:1977 + amendment 1:1997, prepared by IEC TC 64, Electrical installations and protection against electric shock, together with the common modifications prepared by SC 64B, Protection against thermal effects, of Technical Committee CENELEC TC 64, Electrical installations of buildings, were submitted to the formal vote and were approved by CENELEC as HD 384.4.43 S2 on 1999-08-01.

The following dates were fixed:

- |  |       |            |
|--|-------|------------|
| - latest date by which the existence of the HD has to be announced at national level   | (doa) | 2000-02-01 |
| - latest date by which the HD has to be implemented at national level by publication of a harmonized national standard or by endorsement | (dop) | 2002-06-01 |
| - latest date by which the national standards conflicting with the HD have to be withdrawn   | (dow) | 2002-08-01 |

In this Harmonization Document, the common modifications to the International Standard are indicated by a vertical line in the left margin of the text.

- (X) CENELEC common modifications to the International Standard IEC 60364-4-43:1977, for which justifications are given in annex I, are marked with a vertical line and the number of the respective justification is indicated in the lefthand margin of the text.

IEC alterations to IEC 60364-4-43:1977 due to amendment 1:1997 are marked with a wavy line in the lefthand margin of the text.

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this Harmonization Document, annex ZA is normative and annexes I to IV and ZB are informative.

The contents of the corrigendum of December 2005 have been included in this copy.

## Contents

*page*

<b>Preface .....</b>	<b>4</b>
<b>43 Protection against overcurrent .....</b>	<b>5</b>
431 General.....	5
432 Nature of protective devices.....	5
433 Protection against overload current.....	6
434 Protection against short-circuit current.....	6
435 Co-ordination of overload and short-circuit protection.....	8
436 Limitation of overcurrent by characteristics of supply .....	8
<b>Annex I (informative) Justification for CENELEC modifications.....</b>	<b>9</b>
<b>Annex II (informative) Explanatory notes .....</b>	<b>10</b>
<b>Annex III (informative) Definitions .....</b>	<b>12</b>
<b>Annex IV (informative) Chapter 53: Selection and erection of switchgear and controlgear .....</b>	<b>13</b>
531 Common requirements .....	13
533 Devices for protection against overcurrent .....	13
533.1 General requirements.....	13
533.2 Selection of devices for protection against overloads .....	13
533.3 Selection of devices for protection against short-circuits .....	13
<b>Annex ZA (normative) Normative references to international publications with their corresponding European publications.....</b>	<b>16</b>
<b>Annex ZB (informative) A–deviations .....</b>	<b>17</b>

## **Preface**

### **1 Reference document**

The reference document for this Harmonization Document is the International Standard IEC 60364-4-43:1977 and its amendment 1:1997 prepared by IEC TC 64: Electrical installations of buildings.

IEC 60364: Electrical installations of buildings, is a composite publication of a number of Parts, each dealing with a particular aspect of electrical installation. Part 4 is concerned with protection for safety and within that Part, chapter 43 specifies measures for protection against overcurrents. Other parts of the publication will deal with the selection, application and co-ordination of measures for protection against overcurrent, for the selection and erection of the appropriate electrical equipment and for the verification of installations.

### **2 Scope**

The scope of this Harmonization Document is CENELEC Harmonization Document HD 384.1.

### **3 CENELEC common modifications**

CENELEC common modifications of the Reference Document are numbered and indicated by marginal side-lining. Justification for the common modifications are stated in annex I.

### **4 Explanations of certain requirements**

Some explanations considered to be useful for interpretation of some requirements of the Reference Document text are given in annex II.

### **5 Definitions**

Pending the production of an IEC Publication suitable for treatment as a Reference Document, specifications used for the development of this Harmonization Document are provided for guidance only in annex III.

### **6 Annex IV: Chapter 53, Switchgear (Protection, isolation and switching)**

Sections 531 (Common requirements) and 533 (Devices for protection against overcurrent)

The rules relating to the selection and erection of switchgear are currently being considered by IEC/TC 64. In the meantime, it has seemed necessary to give the conditions for the selection and erection of protective devices complying with the rules of chapter 43, based on draft IEC 64(Secretariat)2.

Countries are free to decide whether or not to take account of the indications thus given for the selection and erection of protective devices.

Chapter 53 will later form the subject of a Harmonization Document.

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