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Standards

Irish Standard
I.S. HD 60364-7-701:2007

Low-voltage electrical installations -- Part 7-701: Requirements for special installations or locations - Locations containing a bath or shower (IEC 60364 -7-701:2006 (MOD))

I.S. HD 60364-7-701:2007

Incorporating amendments/corrigenda issued since publication:

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**Low-voltage electrical installations –
Part 7-701: Requirements for special installations or locations -
Locations containing a bath or shower
(IEC 60364-7-701:2006, modified)**

Installations électriques à basse tension –
Partie 7-701: Règles pour les installations
et emplacements spéciaux -
Emplacements contenant une baignoire
ou une douche
(CEI 60364-7-701:2006, modifiée)

Errichten von Niederspannungsanlagen –
Teil 7-701: Anforderungen
für Betriebsstätten, Räume
und Anlagen besonderer Art -
Räume mit Badewanne oder Dusche
(IEC 60364-7-701:2006, modifiziert)

This Harmonization Document was approved by CENELEC on 2006-09-01. 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 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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

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Foreword

The text of document 64/1494/FDIS, future edition 2 of IEC 60364-7-701, prepared by IEC TC 64, Electrical installations and protection against electric shock, was submitted to the IEC-CENELEC parallel vote.

A draft amendment, prepared by SC 64A, Protection against electric shock, of Technical Committee CENELEC TC 64, Electrical installations and protection against electric shock, was submitted to the formal vote.

The combined texts were approved by CENELEC as HD 60364-7-701 on 2006-09-01.

The following dates were fixed:

- | | | |
|--|-------|------------|
| - latest date by which the existence of the HD has to be announced at national level | (doa) | 2007-03-01 |
| - latest date by which the HD has to be implemented at national level by publication of a harmonized national standard or by endorsement | (dop) | 2007-09-01 |
| - latest date by which the national standards conflicting with the HD have to be withdrawn | (dow) | 2009-09-01 |

Annexes ZA and ZB have been added by CENELEC.

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

700.1 Introduction

The requirements of this part of HD 60364 supplement, modify or replace certain of the general requirements of the other parts of HD 60364.

The clause numbering of Part 7-701 follows the pattern and corresponding references of HD 60364. The numbers following the particular number of Part 7-701 are those of the corresponding parts, or clauses of HD 60364.

The absence of reference to a part, a clause or a subclause means that the corresponding general requirements are applicable.

701 Locations containing a bath or shower

701.1 Scope

The particular requirements of this part of HD 60364 apply to the electrical installations in locations containing a fixed bath (bath tub) or shower and to the surrounding zones as described in this standard.

This standard does not apply to emergency facilities, e.g. emergency showers used in industrial areas or laboratories.

NOTE 1 For locations containing a bath or shower for medical treatment, special requirements may be necessary.

NOTE 2 For prefabricated bath and/or shower units, see also EN 60335-2-105.

701.2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

HD 60364-4-41:2007, *Low-voltage electrical installations – Part 4-41: Protection for safety – Protection against electric shock* (IEC 60364-4-41:2005, modified)

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

EN 61558-2-5, *Safety of power transformers, power supply units and similar – Part 2-5: Particular requirements for shaver transformers and shaver supply units* (IEC 61558-2-5)

701.30 Assessment of general characteristics

701.30.1 General

When applying this standard, the zones specified in 701.30.2 to 701.30.4 shall be taken into account. For fixed prefabricated bath or shower units, the zones are applied to the situation when the bath or shower basin is in its usable configuration(s).

Horizontal or inclined ceilings, walls with or without windows, doors, floors and fixed partitions may limit the extent of locations containing a bath or shower as well as their zones. Where the dimensions of fixed partitions are smaller than the dimensions of the relevant zones, e.g. partitions having a height lower than 225 cm, the minimum distance in horizontal and vertical direction shall be taken into account (see Figures 701.1 and 701.2).

For electrical equipment in parts of walls or ceilings limiting the zones specified in 701.30.2 to 701.30.4, but being part of the surface of that wall or ceiling, the requirements for the respective zone apply.

701.30.2 Description of zone 0

Zone 0 is the interior of the bath tub or shower basin, see Figure 701.1.

For showers without basin, the height of zone 0 is 10 cm and its surface extent has the same horizontal extent as zone 1, see Figure 701.2.

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