

**Low-voltage electrical installations - Part 7-702:
Requirements for special installations or locations -
Swimming pools and fountains**

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-HD 60364-7-702:2010 sisaldab Euroopa standardi HD 60364-7-702:2010 ingliskeelset teksti.

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English version

**Low-voltage electrical installations -
Part 7-702: Requirements for special installations or locations -
Swimming pools and fountains
(IEC 60364-7-702:2010, modified)**

Installations électriques à basse tension -
Partie 7-702: Règles pour les installations
ou emplacements spéciaux -
Piscines et fontaines
(CEI 60364-7-702:2010, modifiée).

Errichten von Niederspannungsanlagen -
Teil 7-702: Anforderungen
für Betriebsstätten, Räume und Anlagen
besonderer Art -
Schwimmbecken und Springbrunnen
(IEC 60364-7-702:2010, modifiziert)

This Harmonization Document was approved by CENELEC on 2010-09-01. 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).

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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 64/1724/FDIS, future edition 3 of IEC 60364-7-702, 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 TC 64, Electrical installations and protection against electric shock, was submitted to the formal vote.

The combined texts were approved by CENELEC as HD 60364-7-702 on 2010-09-01.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

- latest date by which the amendment has to be implemented at national level by publication of a harmonized national standard or by endorsement (dop) 2011-09-01
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2013-09-01

Annexes ZA to ZC 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.

This document supersedes HD 384.7.702 S2:2002

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INTRODUCTION

The requirements of this part of HD 60364 supplement, modify or replace certain of the general requirements contained in Parts 1 to 6 of HD 60364/HD 384.

The clause numbering appearing after 702 refers to the corresponding parts or clauses of HD 60364/HD 384, Parts 1 to 6. Therefore, the numbering of clauses does not necessarily follow sequentially. Numbering of figures and tables takes the number of this part followed by a sequential number.

The absence of reference to a part or clause means that the general requirements contained in Parts 1 to 6 of HD 60364/HD 384 are applicable.

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LOW-VOLTAGE ELECTRICAL INSTALLATIONS –

Part 7-702: Requirements for special installations or locations – Swimming pools and fountains

702 Swimming pools and fountains

702.1 Scope

The particular requirements of this part of HD 60364 apply to electrical installations of:

- basins of swimming pools and paddling pools and their surrounding zones;
- areas in natural waters, lakes in gravel pits and coastal and similar areas, specially intended to be occupied by persons for swimming, paddling and similar purposes, and their surrounding zones. Such areas in natural waters, lakes in gravel pits and coastal and similar areas, are considered as swimming pools;
- basins of fountains and their surrounding zones.

NOTE In these areas, in normal use, the effect of an electric shock is increased by a reduction in body resistance and contact of the body with earth potential.

For swimming pools for medical use, special requirements may apply.

This standard does not cover the use of mobile equipment, e.g. pool cleaning equipment.

702.2 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.

IEC 60245 (all parts), *Rubber insulated cables – Rated voltages up to and including 450/750 V*

IEC 60355-2-41, *Household and similar electrical appliances – Safety – Part 2-41: Particular requirements for pumps*

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

EN 60529:1989, *Degrees of protection provided by enclosures (IP Code)*

EN 60598-2-18, *Luminaires – Part 2: Particular requirements – Section 18: Luminaires for swimming pools and similar applications*

EN 61386-1, *Conduit systems for cable management – Part 1: General requirements*

702.3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.