

**MADALPINGELISED ELEKTRIPAIGALDISED. OSA 7-709:
NÕUDED ERIPAIGALDISTELE JA -PAIKADELE.
HUVISÕIDUSADAMAD JA MUUD SAMALAADSED PAIGAD**

**Low-voltage electrical installations - Part 7-709:
Requirements for special installations or locations -
Marinas and similar locations**

EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

See Eesti standard EVS-HD 60364-7-709:2009+A1+A11 sisaldab Euroopa standardi HD 60364-7-709:2009, selle paranduse AC:2010 ja muudatuste A1:2012 ning A11:2017 ingliskeelset teksti.	This Estonian standard EVS-HD 60364-7-709:2009+A1+A11 consists of the English text of the European standard HD 60364-7-709:2009, its corrigendum AC:2010 and amendments A1:2012 and A11:2017.
Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.	This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation.
Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 11.09.2009, muudatused A1 27.04.2012 ja A11 11.08.2017.	Date of Availability of the European standard is 11.09.2009, for A1 27.04.2012 and for A11 11.08.2017
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**Low-voltage electrical installations -
Part 7-709: Requirements for special installations or locations -
Marinas and similar locations
(IEC 60364-7-709:2007, modified)**

Installations électriques à basse tension -
Partie 7-709: Exigences
pour les installations
et emplacements spéciaux -
Marinas et emplacements analogues
(CEI 60364-7-709:2007, modifiée)

Errichten von Niederspannungsanlagen -
Teil 7-709: Anforderungen
für Betriebsstätten, Räume
und Anlagen besonderer Art -
Marinas und ähnliche Bereiche
(IEC 60364-7-709:2007, modifiziert)

This Harmonization Document was approved by CENELEC on 2009-04-01. 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 64/1573/FDIS, future edition 2 of IEC 60364-7-709, 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 60364-7-709 on 2009-04-01.

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

The following dates were fixed:

- latest date by which the existence of the HD has to be announced at national level (doa) 2009-10-01
- latest date by which the HD has to be implemented at national level by publication of a harmonized national standard or by endorsement (dop) 2010-04-01
- latest date by which the national standards conflicting with the HD have to be withdrawn (dow) 2012-04-01

For this Harmonization Document, the informative Annex C of IEC 60364-7-709:2007 shall be disregarded and has been replaced by the normative Annex ZA, *Special national conditions*; and the informative Annex ZB, *A-deviations*.

Annexes ZA and ZB have been added by CENELEC.

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.

The clause numbering appearing after 709 refers to the corresponding parts or clauses of HD 60364, Parts 1 to 6. Numbering of clauses does not, therefore, 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 a clause means that the general requirements contained in Parts 1 to 6 of HD 60364 are applicable.

709.1 Scope

The particular requirements specified in this part of HD 60364 apply only to circuits intended to supply pleasure craft or houseboats in marinas and similar locations.

NOTE 1 In this part "marina" means "marina and similar locations".

The particular requirements do not apply to the supply of house boats if they are directly supplied from the public network.

The particular requirements do not apply to the internal electrical installations of pleasure craft or house boats.

NOTE 2 For electrical installations of pleasure craft, see EN 60092-507.

NOTE 3 The electrical installations of house boats should comply with the general requirements of HD 60364, together with the relevant particular requirements of HD 60364-7.

For the remainder of the electrical installation of marinas and similar locations the general requirements of HD 60364 together with the relevant particular requirements of HD 60364-7 apply.

709.2 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 472 S1:1989 + Corr. 2002, *Nominal voltages for low voltage public electricity supply systems* (IEC 60038:1983, mod.)

EN 60309-1, *Plugs, socket-outlets and couplers for industrial purposes – Part 1: General requirements* (IEC 60309-1)

EN 60309-2, *Plugs, socket-outlets and couplers for industrial Purposes – Part 2: Dimensional interchangeability requirements for pin and contact-tubes accessories* (IEC 60309-2)

HD 60364-4-43¹⁾, *Low-voltage electrical installations - Part 4-43: Protection for safety – Protection against overcurrent* (IEC 60364-4-43, mod.)

EN 61558-2-4, *Safety of power transformers, power supply units and similar – Part 2-4: Particular requirements for isolating transformers for general use* (IEC 61558-2-4)

EN 62262, *Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)* (IEC 62262)

709.3 Terms and definitions

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

709.3.1

pleasure craft

any boat, vessel, yacht, motor launch, houseboat or other floating craft used exclusively for sport or leisure

709.3.2

marina

facility for the mooring of pleasure craft with fixed wharves, jetties, piers or a pontoon arrangement capable of berthing one or more pleasure craft

709.3.3

houseboat

floating decked structure which is designed or adapted for use as a place of permanent residence often kept in one place on inland water

¹⁾ At draft stage.