

Electrical installations of buildings - Part 1: Scope, object and fundamental principles

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-HD 384.1 S2:2003 sisaldab Euroopa standardi HD 384.1 S2:2001 ingliskeelset teksti. Standard on kinnitatud Eesti Standardikeskuse 05.02.2003 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas. Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on . Standard on kättesaadav Eesti standardiorganisatsioonist.	This Estonian standard EVS-HD 384.1 S2:2003 consists of the English text of the European standard HD 384.1 S2:2001. This standard is ratified with the order of Estonian Centre for Standardisation dated 05.02.2003 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation. Date of Availability of the European standard text . The standard is available from Estonian standardisation organisation.
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Võtmesõnad: electrically- opera, low voltage installati, low voltage switchgear, management, plan, plant, power installations, principles, protection against electric shocks, protection devices, purpose, qualifications, safety, scope, specification (approval), specifications

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Kui Teil on küsimusi standardite autorikaitse kohta, palun võtke ühendust Eesti Standardikeskusega:
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English version

Electrical installations of buildings**Part 1: Scope, object and fundamental principles**

(IEC 60364-1:1992, modified)

Installations électriques des bâtiments
Partie 1: Domaine d'application, objet et
principes fondamentaux
(CEI 60364-1:1992, modifiée)

Elektrische Anlagen von Gebäuden
Teil 1: Anwendungsbereich, Zweck und
allgemeine Grundsätze
(IEC 60364-1:1992, modifiziert)

This Harmonization Document was approved by CENELEC on 1999-01-01. 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

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Foreword

The text of the International Standard IEC 60364-1:1992, prepared by IEC TC 64, Electrical installations and protection against electric shock, together with common modifications prepared by the Technical Committee CENELEC TC 64, Electrical installations of buildings, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as HD 384.1 S2 on 1999-01-01.

This Harmonization Document supersedes HD 384. S1:1979.

The following dates were fixed:

- latest date by which the existence of the HD
has to be announced at national level (doa) 1999-08-01
- latest date by which the HD has to be implemented
at national level by publication of a harmonized
national standard or by endorsement (dop) 2002-08-01
- 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.

Annexes designated "informative" are given for information only.

In this standard, annex ZA is informative. Annex ZA has been added by CENELEC.

The annex A mentioned in IEC 60364-1:1992 has been withdrawn from the present document.

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CHAPTER 11: SCOPE

11.1 This Harmonization Document applies to electrical installations such as those of:

- a) residential premises;
- b) commercial premises;
- c) public premises;
- d) industrial premises;
- e) agricultural and horticultural premises;
- f) prefabricated buildings;
- g) caravans, caravan sites and similar sites;
- h) construction sites, exhibitions, fairs and other temporary installations;
- i) marinas.

11.2 It covers:

- a) circuits supplied at nominal voltages up to and including 1 000 V a.c. or 1 500 V d.c.; for a.c., the preferred frequencies which are taken into account in this Harmonization Document are 50 Hz, 60 Hz and 400 Hz. The use of other frequencies for special purposes is not excluded;
- b) circuits, other than the internal wiring of apparatus, operating at voltages exceeding 1 000 V and derived from an installation having a voltage not exceeding 1 000 V a.c., e.g. discharge lighting, electrostatic precipitators;
- c) any wiring systems and cables not specifically covered by the standards for appliances;
- d) all consumer installations external to buildings;
- e) fixed wiring for communication and information technology, signalling, control and the like (excluding internal wiring of apparatus);
- f) the extension or alteration of the installation and also parts of the existing installation affected by the extension or alteration.

11.3 The Harmonization Document does not apply to:

- a) electric traction equipment (including rolling stock and signalling equipment);
- b) electrical equipment of automobiles (including electric cars);
- c) electrical installations on board ships, mobile and fixed offshore platforms;
- d) electrical installations in aircraft;
- e) public lighting installations which are part of public power grid;
- f) installations in mines and quarries;
- g) radio interference suppression equipment, except so far as it affects safety of the installation;
- h) electric fences;
- i) lightning protection of buildings.

NOTE 1 Protection against overvoltages of atmospheric origin or due to switching is covered in HD 384.4.443.

NOTE 2 Outdoor lighting installations other than those specified in item e) is covered in HD 384.7.714.