

**Ehitiste elektripaigaldised. Osa 7-715: Nõuded
eripaigaldistele ja paikadele. Väikepingelised
valgustuspaigaldised**

Electrical installations of buildings Part 7-715:
Requirements for special installations or locations –
Extra-low-voltage lighting installations

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-HD 60364-7-715:2005 sisaldab Euroopa standardi HD 60364-7-715:2005 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 05.08.2005 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 14.07.2005.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-HD 60364-7-715:2005 consists of the English text of the European standard HD 60364-7-715:2005.

This standard is ratified with the order of Estonian Centre for Standardisation dated 05.08.2005 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 14.07.2005.

The standard is available from Estonian standardisation organisation.

ICS 29.140.50, 91.140.50

Võtmesõnad: ehitised, elektripaigaldised

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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 7-715: Requirements for special installations or locations –
Extra-low-voltage lighting installations
(IEC 60364-7-715:1999, modified)

Installations électriques des bâtiments
Partie 7-715: Règles pour les installations
et emplacements spéciaux –
Installations d'éclairage à très basse
tension
(CEI 60364-7-715:1999, modifiée)

Elektrische Anlagen von Gebäuden
Teil 7-715: Anforderungen für
Betriebsstätten, Räume und Anlagen
besonderer Art –
Kleinspannungs-Beleuchtungsanlagen
(IEC 60364-7-715:1999, modifiziert)

This Harmonization Document was approved by CENELEC on 2005-03-01. 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, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, 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 60364-7-715:1999, 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 and protection against electric shock, was submitted to the formal vote and was approved by CENELEC as HD 60364-7-715 on 2005-03-01.

The following dates were fixed:

- latest date by which the existence of the HD
has to be announced at national level (doa) 2005-09-01
- latest date by which the HD has to be implemented
at national level by publication of a harmonized
national standard or by endorsement (dop) 2006-03-01
- latest date by which the national standards conflicting
with the HD have to be withdrawn (dow) 2008-03-01

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

Clauses, subclauses, annexes and notes which are additional to those of IEC 60364-7-715 are prefixed "Z".

Annex ZA has been added by CENELEC.

Introduction

The requirements of this part of HD 60364 modify or replace certain of the general requirements of HD 60364.

The clause numbering of Part 7-715 follows the pattern and corresponding references of HD 60364.

The numbers following the particular number of Part 7-715 are those of the corresponding parts or clauses of HD 60364.

The absence of reference to a part or a clause means that the general requirements of HD 60364 are applicable.

Numbering in parenthesis corresponds to the numbering of the "non restructured" IEC 60364 (HD 384) dated before 2002.

715 Extra-low-voltage lighting installations

715.1 Scope

The particular requirements of this part apply to extra-low-voltage lighting installations supplied from sources with a maximum rated voltage of 50 V a.c. or 120 V d.c.

NOTE 1 For the definition of an extra-low-voltage lighting system, see EN 60598-1.

NOTE 2 AC voltages are given as r.m.s. values.

NOTE Z1 The maximum d.c. value for SELV luminaires is under consideration.

715.2 Normative references

See Annex ZA.

715.411 Protection against both direct and indirect contact

715.411.1 For extra-low-voltage lighting installations only SELV shall be applied. Where bare conductors are used (see 715.521.7), the maximum voltage shall be 25 V a.c. or 60 V d.c. according to 411.1.4.3 of HD 384.4.41.

715.411.1.2 Safety isolating transformers shall conform with EN 61558-2-6.

Parallel operation of transformers in the secondary circuit is allowed only if they are also paralleled in the primary circuit and the transformers have identical electrical characteristics.

Safety isolating converters shall conform to EN 61347-2-2, Annex I.

Parallel operation of converters is not accepted.