

**Madalpingelised elektripaigaldised. Osa 7-714: Nõuded eripaigaldistele ja -paikadele. Välisvalgustuspaigaldised**

**Low-voltage electrical installations - Part 7-714:  
Requirements for special installations or locations -  
External lighting installations**

## EESTI STANDARDI EESSÕNA

## NATIONAL FOREWORD

See Eesti standard EVS-HD 60364-7-714:2012 sisaldab Euroopa standardi HD 60364-7-714:2012 ingliskeelset teksti.	This Estonian standard EVS-HD 60364-7-714:2012 consists of the English text of the European standard HD 60364-7-714:2012.
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 04.05.2012.	Date of Availability of the European standard is 04.05.2012.
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for Standardisation.

Tagasisidet standardi sisu kohta on võimalik edastada, kasutades EVS-i veebilehel asuvat tagasiside vormi või saates e-kirja meiliaadressile [standardiosakond@evs.ee](mailto:standardiosakond@evs.ee).

ICS 91.140, 91.160.20

### **Standardite reprodutseerimise ja levitamise õigus kuulub Eesti Standardikeskusele**

Andmete paljundamine, taastekitamine, kopeerimine, salvestamine elektroonsesse süsteemi või edastamine ükskõik millises vormis või millisel teel ilma Eesti Standardikeskuse kirjaliku loata on keelatud.

Kui Teil on küsimusi standardite autorikaitse kohta, võtke palun ühendust Eesti Standardikeskusega:  
Aru 10, 10317 Tallinn, Eesti; [www.evs.ee](http://www.evs.ee); telefon 605 5050; e-post [info@evs.ee](mailto:info@evs.ee)

### **The right to reproduce and distribute standards belongs to the Estonian Centre for Standardisation**

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying, without a written permission from the Estonian Centre for Standardisation.

If you have any questions about copyright, please contact Estonian Centre for Standardisation:  
Aru 10, 10317 Tallinn, Estonia; [www.evs.ee](http://www.evs.ee); phone 605 5050; e-mail [info@evs.ee](mailto:info@evs.ee)

English version

**Low-voltage electrical installations -  
Part 7-714: Requirements for special installations or locations -  
External lighting installations  
(IEC 60364-7-714:2011)**

Installations électriques à basse tension -  
Partie 7-714: Règles pour les installations  
et emplacements spéciaux -  
Installations d'éclairage extérieur  
(CEI 60364-7-714:2011)

Errichten von Niederspannungsanlagen -  
Teil 7-714: Anforderungen für  
Betriebsstätten, Räume und Anlagen  
besonderer Art -  
Beleuchtungsanlagen im Freien  
(IEC 60364-7-714:2011)

This Harmonization Document was approved by CENELEC on 2012-03-14. 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 CEN-CENELEC Management Centre 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, Croatia, 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, Turkey and the United Kingdom.

**CENELEC**

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

**Management Centre: Avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 64/1806/FDIS, future edition 2 of IEC 60364-7-714, prepared by IEC TC 64 "Electrical installations and protection against electric shock" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as HD 60364-7-714:2012.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2012-12-14
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-03-14

This document supersedes HD 384.7.714 S1:2000.

HD 60364-7-714:2012 includes the following significant technical changes with respect to HD 384.7.714 S1:2000.

- clause numbering is aligned with present structure of EN 60364;
- additional protection is required in some cases of equipment incorporating lighting;
- more stringent requirements regarding IP degree of protection;
- introduction of particular requirements for isolation.

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

## Endorsement notice

The text of the International Standard IEC 60364-7-714:2011 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

- |                      |      |   |
|----------------------|------|---|
| IEC 60364-1:2005     | NOTE | Harmonized as HD 60364-1:2008 (modified).     |
| IEC 60364-7-702:2010 | NOTE | Harmonized as HD 60364-7-702:2010 (modified). |
| IEC 60598 series     | NOTE | Harmonized in EN 60598 series.                |

**Annex ZA**  
(normative)  
**Normative references to international publications**  
**with their corresponding European publications**

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

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60364-4-41 (mod)	2005	Low-voltage electrical installations - Part 4-41: Protection for safety - Protection against electric shock	HD 60364-4-41 + corr. July	2007 2007
IEC 60364-5-51 (mod)	2005	Electrical installations of building - Part 5-51: Selection and erection of electrical equipment - Common rules	HD 60364-5-51	2009
IEC 60364-5-53	2001	Electrical installations of buildings - Part 5-53: Selection and erection of electrical equipment - Isolation, switching and control	-	-

Document is a preview generated by EVS

## Annex ZB (normative)

### Special national conditions

**Special national condition:** National characteristic or practice that cannot be changed even over a long period, e.g. climatic conditions, electrical earthing conditions.

NOTE If it affects harmonization, it forms part of the Harmonization Document.

For the countries in which the relevant special national conditions apply these provisions are normative, for other countries they are informative.

Country	Clause	Special national condition
DE	714.512.2.1	Delete "AA2 , "AA4", AB2" and AB4". Replace "AD3" by "IPX3" and "AE2" by "IP3X".

## CONTENTS

FOREWORD.....	3
INTRODUCTION.....	5
714 External lighting installations .....	6
714.1 Scope .....	6
714.2 Normative references.....	6
714.4 Protection for safety.....	6
714.41 Protection against electric shock.....	6
714.410.3 General requirements .....	6
714.411 Protective measure: automatic disconnection of supply.....	7
714.411.3.1 Protective earthing and protective equipotential bonding .....	7
714.411.3.1.2 Protective equipotential bonding .....	7
714.411.3.3 Additional protection .....	7
714.41 (Annex A) Provisions for basic protection .....	7
714.5 Selection and erection of electrical equipment .....	7
714.51 Common rules .....	7
714.512 Operational conditions and external influences .....	7
714.512.2 External influences .....	7
714.536 Isolation and switching.....	8
714.536.2 Isolation.....	8
714.536.2.1 General .....	8
Annex A (informative) List of notes concerning certain countries.....	9
Bibliography.....	10

Preview generated by EVS

## INTRODUCTION

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

The clause numbering appearing after 714 refers to the corresponding parts or clauses of IEC 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 clause means that the general requirements contained in Parts 1 to 6 of IEC 60364 are applicable.

This document is a preview generated by EVS



## LOW-VOLTAGE ELECTRICAL INSTALLATIONS –

### Part 7-714: Requirements for special installations or locations – External lighting installations

#### 714 External lighting installations

##### 714.1 Scope

The particular requirements of this part of IEC 60364 apply to the selection and erection of luminaires and lighting installations forming part of an outdoor fixed installation.

The origin of the external lighting installation is the supply delivery point of electrical energy by the supply authority or the origin of the circuit supplying the external lighting installation exclusively.

The requirements apply to, for example, lighting installations for roads, parks, gardens, places open to the public, sporting areas, illumination of monuments, floodlighting, telephone kiosks, bus shelters, advertising panels, town plans and road signs.

The requirements do not apply to:

- public street-lighting installations which are part of the public power grid;
- temporary festoon lighting;
- road traffic signal systems;
- luminaires which are fixed to the outside of a building and are supplied directly from the internal wiring of that building.

For lighting installations for swimming pools and fountains, see IEC 60364-7-702.

##### 714.2 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 60364-4-41:2005, *Low-voltage electrical installations – Part 4-41: Protection for safety – Protection against electric shock*

IEC 60364-5-51:2005, *Electrical installations of buildings – Part 5-51: Selection and erection of electrical equipment – Common rules*

IEC 60364-5-53:2001, *Electrical installations of buildings – Part 5-53: Selection and erection of electrical equipment – Isolation, switching and control*

##### 714.4 Protection for safety

###### 714.41 Protection against electric shock

###### 714.410.3 General requirements

###### 714.410.3.6

*Add the following:*