



**NSAI**  
Standards

Irish Standard Recommendation  
S.R. HD 60364-7-729:2009&A11:2017

Low-voltage electrical installations - Part 7-729: Requirements for special installations or locations - Operating or maintenance gangways

**S.R. HD 60364-7-729:2009&A11:2017**

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

HD 60364-7-729:2009/A11:2017

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## National Foreword

S.R. HD 60364-7-729:2009&A11:2017 is the adopted Irish version of the European Document HD 60364-7-729:2009, Low-voltage electrical installations - Part 7-729: Requirements for special installations or locations - Operating or maintenance gangways

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HARMONIZATION DOCUMENT  
DOCUMENT D'HARMONISATION  
HARMONISIERUNGSDOKUMENT

**HD 60364-7-729:2009/A11**

August 2017

ICS 91.140.50

English Version

**Low-voltage electrical installations - Part 7-729: Requirements  
for special installations or locations - Operating or maintenance  
gangways**

Installations électriques à basse tension - Partie 7-729:  
Règles pour les installations et emplacements spéciaux -  
Passages d'entretien ou de service

Errichten von Niederspannungsanlagen - Teil 7-729:  
Anforderungen für Betriebsstätten, Räume und Anlagen  
besonderer Art - Bedienungsgänge und Wartungsgänge

This amendment A11 modifies the Harmonization Document HD 60364-7-729:2009; it was approved by CENELEC on 2017-05-31. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this amendment 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 amendment exists in three official versions (English, French, German).

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

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

**HD 60364-7-729:2009/A11:2017 (E)**

## **European foreword**

This document (HD 60364-7-729:2009/A11:2017) has been prepared by CLC/TC 64, "Electrical installations and protection against electric shock".

The following dates are fixed:

- latest date by which this document has (dop) 2018-05-31  
to be implemented at national level by  
publication of an identical national  
standard or by endorsement
- latest date by which the national (dow) 2020-05-31  
standards conflicting with this document  
have to be withdrawn

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HARMONIZATION DOCUMENT  
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HARMONISIERUNGSDOKUMENT

**HD 60364-7-729**

August 2009

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ICS 91.140.50

English version

**Low-voltage electrical installations -  
Part 7-729: Requirements for special installations or locations -  
Operating or maintenance gangways  
(IEC 60364-7-729:2007, modified)**

Installations électriques à basse tension -  
Partie 7-729: Règles pour les installations  
et emplacements spéciaux -  
Passages d'entretien ou de service  
(CEI 60364-7-729:2007, modifiée)

Errichten von Niederspannungsanlagen -  
Teil 7-729: Anforderungen  
für Betriebsstätten, Räume  
und Anlagen besonderer Art -  
Bedienungsgänge und Wartungsgänge  
(IEC 60364-7-729:2007, modifiziert)

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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

**Central Secretariat: Avenue Marnix 17, B - 1000 Brussels**

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## Foreword

The text of document 64/1595/FDIS, future edition 1 of IEC 60364-7-729, 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 the former 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 60364-7-729 on 2009-04-22.

The following dates were fixed:

- latest date by which the existence of the HD has to be announced at national level (doa) 2009-11-01
- latest date by which the HD has to be implemented at national level by publication of a harmonized national standard or by endorsement (dop) 2010-05-01
- latest date by which the national standards conflicting with the HD have to be withdrawn (dow) 2012-05-01

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

For this Harmonization Document, the informative Annex B of IEC 60364-7-729:2007 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.



## 729 Introduction

The requirements of this part of HD 60364 supplement, modify or replace certain of the general requirements of the other parts of HD 60364.

The clause numbering of Part 7-729 follows the pattern and corresponding references of HD 60364. The numbers following the particular number of Part 7-729 are those of the corresponding parts or clauses of HD 60364.

The absence of reference to a part, clause or subclause means that the corresponding general requirements are applicable.

### 729.1 Scope

The requirements of this part of HD 60364 apply to basic protection and other aspects in restricted access areas with switchgear and controlgear assemblies, including requirements for operating or maintenance gangways.

### 729.2 Normative references

The following normative documents contain provisions which through reference in this text, constitute provisions of this part of HD 60364. For dated references, subsequent amendments to, or revisions of any of these publications do not apply.

HD 60364-1:2008, *Low-voltage electrical installations – Part 1: Fundamental principles, assessment of general characteristics, definitions* (IEC 60364-1:2005, mod.)

HD 60364-4-41, *Low-voltage electrical installations – Part 4-41: Protection for safety – Protection against electric shock* (IEC 60364-4-41, mod.)

### 729.30 Assessment of general characteristics

*Add the following requirements:*

For restricted access areas the following apply:

- restricted access areas shall be clearly and visibly marked by appropriate signs;
- unauthorised persons shall not have access to restricted access areas;
- door(s) provided for closed restricted access areas shall allow easy evacuation to the outside by opening without the use of a key, tool or any other device which not part of the opening mechanism.

#### 729.410.3.7

*Replace the paragraph with the following requirements:*

In restricted access areas where it is not reasonably practicable to provide protective measures for basic protection (protection against direct contact) in accordance with HD 60364-4-41, minimum distances are required.

NOTE 1 See HD 60364-1, Clause 30 for assessment of general characteristics when deciding to use this method of protection.

NOTE 2 In cases of protective device with high rating, such as large circuit-breakers, greater distances may be necessary for the withdrawing of the device.

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**IEC  
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**60364-7-729**

First edition  
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2007-07

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**Low-voltage electrical installations –**

**Part 7-729:  
Requirements for special  
installations or locations –  
Operating or maintenance gangways**

**Installations électriques à basse tension –**

**Partie 7-729:  
Règles pour les installations  
et emplacements spéciaux –  
Passages d'entretien ou de service**



Reference number  
Numéro de référence  
IEC/CEI 60364-7-729:2007



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INTERNATIONALE**

**60364-7-729**

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**Low-voltage electrical installations –**

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

### LOW-VOLTAGE ELECTRICAL INSTALLATIONS –

#### **Part 7-729: Requirements for special installations or locations – Operating or maintenance gangways**

#### FOREWORD

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International Standard IEC 60364-7-729 has been prepared by IEC technical committee 64: Electrical installations and protection against electric shock.

The text of this standard is based on the following documents:

FDIS	Report on voting
64/1595/FDIS	64/1603/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

The reader's attention is drawn to the fact that Annex B lists all of the "in-some-country" clauses on differing practices of a less permanent nature relating to the subject of this standard.

A list of all the parts in the IEC 60364 series, under the general title *Low-voltage electrical installations*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

## **729.0 Introduction**

The requirements of this part of IEC 60364 supplement, modify or replace certain of the general requirements of the other parts of IEC 60364.

The clause numbering of Part 7-729 follows the pattern and corresponding references of IEC 60364. The numbers following the particular number of Part 7-729 are those of the corresponding parts or clauses of IEC 60364.

The absence of reference to a part, clause or subclause means that the corresponding general requirements are applicable.

For operating and maintenance gangways measures of protection against direct contact is covered by this section which replaces clause 481.2.4 of IEC 60364-4-481 – Measures of protection against direct contact.



## LOW-VOLTAGE ELECTRICAL INSTALLATIONS –

### Part 7-729: Requirements for special installations or locations – Operating or maintenance gangways

#### 729.1 Scope

The requirements of this part of IEC 60364 apply to basic protection and other aspects in restricted access areas with switchgear and controlgear assemblies, including requirements for operating or maintenance gangways.

#### 729.2 Normative references

The following normative documents contain provisions which through reference in this text, constitute provisions of this part of IEC 60364. For dated references, subsequent amendments to, or revisions of any of these publications do not apply.

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

#### 729.30 Assessment of general characteristics

*Add the following requirements:*

For restricted access areas the following apply:

- restricted access areas shall be clearly and visibly marked by appropriate signs;
- unauthorized persons shall not have access to restricted access areas;
- door(s) provided for closed restricted access areas shall allow easy evacuation to the outside by opening without the use of a key, tool or any other device which is not part of the opening mechanism.

#### 729.410.3.7

*Replace the paragraph with the following requirements:*

In restricted access areas where it is not reasonably practicable to provide protective measures for basic protection (protection against direct contact) in accordance with IEC 60364-4-41, minimum distances are required.

NOTE 1 See Clause 30 of IEC 60364-1 for assessment of general characteristics when deciding to use this method of protection.

NOTE 2 In cases of protective devices with high ratings, such as a large circuit-breaker, greater distances may be necessary to permit withdrawal of the device.

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