



**NSAI**  
Standards

Irish Standard Recommendation  
S.R. HD 60364-5-537:2016&A11:2017

Low-voltage electrical installations - Part 5-53: Selection and erection of electrical equipment - Devices for protection, isolation, switching, control and monitoring - Clause 537: Isolation and switching

**S.R. HD 60364-5-537:2016&A11:2017**

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

HD 60364-5-537:2016/A11:2017

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## National Foreword

S.R. HD 60364-5-537:2016&A11:2017 is the adopted Irish version of the European Document HD 60364-5-537:2016, Low-voltage electrical installations - Part 5-53: Selection and erection of electrical equipment - Devices for protection, isolation, switching, control and monitoring - Clause 537: Isolation and switching

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**HARMONIZATION DOCUMENT**  
**DOCUMENT D'HARMONISATION**  
**HARMONISIERUNGSDOKUMENT**

**HD 60364-5-537:2016/A11**

August 2017

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English Version

**Low-voltage electrical installations - Part 5-53: Selection and  
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isolation, switching, control and monitoring - Clause 537:  
Isolation and switching**

Installations électriques basse tension - Partie 5-53: Choix  
et mise en œuvre des matériels - Appareillage - Article 537:  
Sectionnement et coupure

Errichten von Niederspannungsanlagen - Teil 5-53:  
Auswahl und Errichtung elektrischer Betriebsmittel -  
Schaltgeräte und Steuergeräte - Abschnitt 537: Geräte zum  
Trennen und Schalten

This amendment A11 modifies the Harmonization Document HD 60364-5-537:2016; 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).

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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 60364-5-537:2016/A11:2017 (E)**

## **European foreword**

This document (HD 60364-5-537:2016/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

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

HARMONIZATION DOCUMENT

**HD 60364-5-537**

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November 2016

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Supersedes HD 384.5.537 S2:1998

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**Low-voltage electrical installations -  
Part 5-53: Selection and erection of electrical equipment -  
Devices for protection, isolation, switching, control and  
monitoring - Clause 537: Isolation and switching**

Installations électriques basse tension -  
Partie 5-53: Choix et mise en œuvre des matériels -  
Appareillage - Article 537: Sectionnement et coupure

Errichten von Niederspannungsanlagen -  
Teil 5-53: Auswahl und Errichtung elektrischer  
Betriebsmittel - Schaltgeräte und Steuergeräte -  
Abschnitt 537: Geräte zum Trennen und Schalten

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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**

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## **European foreword**

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- latest date by which the national standards conflicting with (dow) 2019-11-11  
the document have to be withdrawn

This document supersedes HD 384.5.537 S2:1998.

HD 60364-5-537:2016 includes the following significant technical changes with respect to the previous edition: the contents of this document has been adapted to give requirements on implementation of the measures provided in HD 60364-4-46:2016 and requirements for proper functioning, in terms of selection and erection of electrical equipment for isolation and switching. Another significant technical change is the introduction of Annex A.

NOTE Complementarily, the text of HD 60364-4-46:2016 has been revised so that it only includes general requirements on measures for isolation and switching to provide for the safety of persons, livestock and property.

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.

## **HD 60364-5-537:2016 (E)**

### **537 Devices for isolation and switching**

#### **537.0 Introduction**

##### **537.0.1 Scope**

This part of HD 60364 deals with general requirements for isolation and switching and with the requirements for selection and erection of the devices provided to fulfil such functions.

##### **537.0.2 Normative references**

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.

EN 60269 / HD 60269 / CLC/TR 60269 series, *Low-voltage fuses* (IEC 60269 series)

EN 60309 (series), *Plugs, socket-outlets and couplers for industrial purposes* (IEC 60309 series)

EN 60669-1, *Switches for household and similar fixed-electrical installations – Part 1: General requirements* (IEC 60669-1)

EN 60669-2-1, *Switches for household and similar fixed electrical installations – Part 2-1: Particular requirements – Electronic switches* (IEC 60669-2-1)

EN 60669-2-2, *Switches for household and similar fixed electrical installations – Part 2-2: Particular requirements – Electromagnetic remote-control switches (RCS)* (IEC 60669-2-2)

EN 60669-2-3, *Switches for household and similar fixed electrical installations – Part 2-3: Particular requirements – Time delay switches (TDS)* (IEC 60669-2-3)

EN 60669-2-4, *Switches for household and similar fixed electrical installations – Part 2-4: Particular requirements – Isolating switches* (IEC 60669-2-4)

EN 60669-2-5, *Switches for household and similar fixed electrical installations – Part 2-5: Particular requirements – Switches and related accessories for use in home and building electronic systems (HBES)* (IEC 60669-2-5)

EN 60669-2-6, *Switches for household and similar fixed electrical installations – Part 2-6: Particular requirements – Fireman's switches for exterior and interior signs and luminaires* (IEC 60669-2-6)

EN 60898-1, *Electrical accessories – Circuit breakers for overcurrent protection for household and similar installations – Part 1: Circuit-breakers for a.c. operation* (IEC 60898-1)

EN 60898-2, *Electrical accessories – Circuit breakers for overcurrent protection for household and similar installations – Part 2: Circuit-breakers for a.c. and d.c. operation* (IEC 60898-2)

EN 60947-2, *Low-voltage switchgear and controlgear – Part 2: Circuit-breakers* (IEC 60947-2)

EN 60947-3, *Low-voltage switchgear and controlgear – Part 3: Switches, disconnectors, switch-disconnectors and fuse-combination units* (IEC 60947-3)

EN 60947-4-1, *Low-voltage switchgear and controlgear – Part 4-1: Contactors and motor-starters – Electromechanical contactors and motor-starters* (IEC 60947-4-1)

EN 60947-4-2, *Low-voltage switchgear and controlgear – Part 4-2: Contactors and motor-starters – AC semiconductor motor controllers and starters* (IEC 60947-4-2)

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