

**MADALPINGELISED ELEKTRIPAIGALDISED
OSA 5-53: ELEKTRISEADMETE VALIK JA PAIGALDAMINE
LÜLITUS- JA JUHTIMISAPARAADID
JAOTIS 537: TURVALAHUTAMINE JA LÜLITAMINE**

**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**

EESTI STANDARDI EESSÕNA**NATIONAL FOREWORD**

See Eesti standard EVS-HD 60364-5-537:2016+A11:2017 sisaldab Euroopa standardi HD 60364-5-537:2016 ja selle muudatuse A11:2017 ingliskeelset teksti.	This Estonian standard EVS-HD 60364-5-537:2016+A11:2017 consists of the English text of the European standard HD 60364-5-537:2016 and its amendment A11:2017.
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 11.11.2016, muudatuse A11 11.08.2017.	Date of Availability of the European standard is 11.11.2016, for Amendment A11 11.08.2017
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English Version

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

This Harmonization Document was approved by CENELEC on 2016-07-04. 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).

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European Committee for Electrotechnical Standardization
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Europäisches Komitee für Elektrotechnische Normung

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

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European foreword

This document (HD 60364-5-537:2016) was prepared by CLC/TC 64 “Electrical installations and protection against electric shock”.

The following dates are fixed:

- latest date by which the document has to be implemented (dop) 2017-05-11
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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.

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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)

- EN 60947-4-3, *Low-voltage switchgear and controlgear – Part 4-3: Contactors and motor-starters – AC semiconductor controllers and contactors for non-motor loads* (IEC 60947-4-3)
- EN 60947-5-1, *Low-voltage switchgear and controlgear – Part 5-1: Control circuit devices and switching elements – Electromechanical control circuit devices* (IEC 60947-5-1)
- EN 60947-6-1, *Low-voltage switchgear and controlgear – Part 6-1: Multiple function equipment – Transfer switching equipment* (IEC 60947-6-1)
- EN 60947-6-2, *Low-voltage switchgear and controlgear – Part 6-2: Multiple function equipment – Control and protective switching devices (or equipment) (CPS)* (IEC 60947-6-2)
- EN 60947-7-1, *Low-voltage switchgear and controlgear – Part 7-1: Ancillary equipment – Terminal blocks for copper conductors* (IEC 60947-7-1)
- EN 61008-2-1, *Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCB's) – Part 2-1: Applicability of the general rules to RCCB's functionally independent of line voltage* (IEC 61008-2-1)
- EN 61009-2-1, *Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBO's) – Part 2-1: Applicability of the general rules to RCBO's functionally independent of line voltage* (IEC 61009-2-1)
- EN 61095, *Electromechanical contactors for household and similar purposes* (IEC 61095)
- EN 61984:2009, *Connectors – Safety requirements and tests* (IEC 61984:2008)
- EN 61995 (series), *Devices for the connection of luminaires for household and similar purposes* (IEC 61995 series)
- EN 62423, *Type F and type B residual current operated circuit-breakers with and without integral overcurrent protection for household and similar uses* (IEC 62423)
- EN 62606, *General requirements for arc fault detection devices* (IEC 62606)
- EN 62626-1, *Low-voltage switchgear and controlgear enclosed equipment – Part 1: Enclosed switch-disconnectors outside the scope of IEC 60947-3 to provide isolation during repair and maintenance work* (IEC 62626-1)
- HD 60364-4-46:2016, *Low-voltage electrical installations – Part 4-46: Protection for safety – Isolation and switching*
- IEC 60417, *Graphical symbols for use on equipment*
- IEC 60884 (series), *Plugs and socket-outlets for household and similar purposes*
- IEC 60906 (series), *IEC system of plugs and socket-outlets for household and similar purposes*