

STN	Elektrické inštalácie nízkeho napätia. Časť 5-53: Výber a stavba elektrických zariadení. Spínacie a riadiace zariadenia.	STN 33 2000-5-53 33 2000
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Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/15

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English Version

Low-voltage electrical installations - Part 5-53: Selection and erection of electrical equipment - Switchgear and controlgear

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

Errichten von Niederspannungsanlagen - Teil 5-53: Auswahl und Errichtung elektrischer Betriebsmittel - Schalt- und Steuergeräte

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This Harmonization Document 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

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Foreword

This document (HD 60364-5-53:2015) 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 to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2016-01-17
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2017-10-06

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.

During the CLC/TC 64 plenary meetings held on 2013 in Stockholm and later on 2014 in Vienna it was agreed that the present draft of HD 60364-5-53 would not include the relevant text of clauses 534 "Devices for protection against overvoltages", 536 "Coordination of protective devices" and 537 "Isolation and switching".

The requirements for these three clauses are currently covered in separate HD documents:

- Clause 534 is covered HD 60364-5-534;
- Clause 536 is covered by HD 50573-5-57;
- Clause 537 is covered by HD 384.5.537 S2 which is currently being revised with the new numbering HD 60364-5-537.

CLC/TC 64 also agreed that all these projects will be integrated into HD 60364-5-53 once all they are voted positively and published.

Taking into account the mentioned agreements, in the present draft clauses 534, 536 and 537 include a reference to the appropriate HD covering the relevant requirements.

530 Introduction

530.1 Scope

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

530.2 Normative references

HD 384.4.46 S2, *Electrical installations of buildings - Part 4: Protection for safety - Chapter 46: Isolation and switching*

HD 384.5.537 S2, *Electrical installations of buildings - Part 5: Selection and erection of electrical equipment - Chapter 53: Switchgear and controlgear - Section 537: Devices for isolation and switching*

EN 50085 (all parts), *Cable trunking systems and cable ducting systems for electrical installations*

HD 50573-5-57, *Co-ordination of electrical equipment for protection, isolation, switching and control*

HD 60269-2, *Low-voltage fuses - Part 2: Supplementary requirements for fuses for use by authorized persons (fuses mainly for industrial application) - Examples of standardized systems of fuses A to J (IEC 60269-2)*

HD 60269-3, *Low-voltage fuses - Part 3: Supplementary requirements for fuses for use by unskilled persons (fuses mainly for household and similar applications) - Examples of standardized systems of fuses A to F (IEC 60269-3)*

EN 60269-4, *Low-voltage fuses - Part 4: Supplementary requirements for fuse-links for the protection of semiconductor devices (IEC 60269-4)*

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

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

HD 60364-4-42, *Low voltage electrical installations - Part 4-42: Protection for safety - Protection against thermal effects (IEC 60364-4-42)*

HD 60364-5-52, *Low-voltage electrical installations - Part 5-52: Selection and erection of electrical equipment - Wiring systems (IEC 60364-5-52)*

HD 60364-5-534, *Low-voltage electrical installations - Part 5-53: Selection and erection of electrical equipment - Isolation, switching and control - Clause 534: Devices for protection against overvoltages (IEC 60364-5-534)*

EN 60670 (all parts), *Boxes and enclosures for electrical accessories for household and similar fixed electrical installations (IEC 60670)*

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 60947-2:2006, *Low-voltage switchgear and controlgear - Part 2: Circuit-breakers (IEC 60947-2:2006)*

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

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 61008-1, *Residual current operated circuit-breakers without integral overcurrent protection for household and similar uses (RCCBs) - Part 1: General rules (IEC 61008-1)*

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 61009-1, *Residual current operated circuit-breakers with integral overcurrent protection for household and similar uses (RCBOs) - Part 1: General rules (IEC 61009-1)*

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 61439 (all parts), *Low-voltage switchgear and controlgear assemblies*

EN 61557-8, *Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 8: Insulation monitoring devices for IT systems (IEC 61557-8)*

EN 61557-9, *Electrical safety in low voltage distribution systems up to 1 000 V a.c. and 1 500 V d.c. - Equipment for testing, measuring or monitoring of protective measures - Part 9: Equipment for insulation fault location in IT systems (IEC 61557-9)*

EN 62020, *Electrical accessories - Residual current monitors for household and similar uses (RCMs) (IEC 62020)*

EN 62208, *Empty enclosures for low-voltage switchgear and controlgear assemblies - General requirements (IEC 62208)*

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)*

koniec náhľadu – text ďalej pokračuje v platenej verzii STN