



SLOVENSKI STANDARD
SIST HD 60364-5-54:2011/A11:2017
01-oktober-2017

Nizkonapetostne električne inštalacije - 5-54. del: Izbira in namestitvev električne opreme - Ozemljitve in zaščitni vodniki - Dopnilo A11

Low-voltage electrical installations - Part 5-54: Selection and erection of electrical equipment - Earthing arrangements and protective conductors

Errichten von Niederspannungsanlagen - Teil 5-54: Auswahl und Errichtung elektrischer Betriebsmittel - Erdungsanlagen, Schutzleiter und Schutzpotentialausgleichsleiter

Installations électriques basse-tension - Partie 5-54: Choix et mise en oeuvre des matériels électriques - Installations de mise à la terre et conducteurs de protection

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Ta slovenski standard je istoveten z: HD 60364-5-54:2011/A11:2017

ICS:

91.140.50 Sistemi za oskrbo z elektriko Electricity supply systems

SIST HD 60364-5-54:2011/A11:2017 en

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HARMONIZATION DOCUMENT
DOCUMENT D'HARMONISATION
HARMONISIERUNGSDOKUMENT

HD 60364-5-54:2011/A11

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ICS 29.020; 91.140.50

English Version

Low-voltage electrical installations - Part 5-54: Selection and erection of electrical equipment - Earthing arrangements and protective conductors

Installations électriques basse-tension - Partie 5-54: Choix et mise en oeuvre des matériels électriques - Installations de mise à la terre et conducteurs de protection

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This amendment A11 modifies the Harmonization Document HD 60364-5-54:2011; 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

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HD 60364-5-54:2011/A11:2017 (E)

European foreword

This document (HD 60364-5-54:2011/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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1 Modifications to Annex ZB

Delete the following Special national conditions for Denmark.

Country	Clause N°	Wording
DK	542.2.3	In Denmark, waterpipes are not permitted as earth electrodes.
DK	542.2.4	In Denmark where possible the earth electrode shall be installed at a depth of at least 2 m.
DK	542.3.1	In Denmark, earthing conductors buried in the soil shall be at a depth of at least 0,35 m.
DK	543.1.1	In Denmark, for circuits protected by RCDs it is normally allowed to use copper protective conductors with a cross-sectional area of at least 2,5 mm ² , independent of the cross-sectional area of the line conductor and without calculation. Only when RCDs are used in TN-systems and the protective conductor is connected to the PEN conductor upstream of the RCD, with less cross-sectional area than the line conductor and shorter than 10 m is it necessary to calculate the cross-sectional area of the protective conductor from the formula.

2 Modification to Annex ZC

Add the following A-deviation for Denmark:

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Country	Clause N°	Reference to National Regulation	Wording
DK	542.4.1	In Denmark applies Executive Order on Safety in connection with the Construction and Operation of Electrical Installations. Executive Order no. 1082 from July 12th, 2016, § 40	(1) If protective equipotential bonding is used in an electrical installation, there must be a main earthing terminal to which the following must be connected i) Protective-equipotential bonding conductors; ii) earthing conductors and iii) protective conductors. (2). If functional earthing conductors are used in the electrical installation, such conductors must also be connected to the main earthing terminal.