



SLOVENSKI STANDARD
SIST HD 60364-5-52:2011/A11:2018
01-februar-2018

Nizkonapetostne električne inštalacije - 5-52. del: Izbira in namestitvev električne opreme - Inštalacijski sistemi - Dopolnilo A11

Low-voltage electrical installations - Part 5-52: Selection and erection of electrical equipment - Wiring systems

Errichten von Niederspannungsanlagen - Teil 5-52: Auswahl und Errichtung elektrischer Betriebsmittel - Kabel- und Leitungsanlagen

Installations électriques à basse-tension - Partie 5-52: Choix et mise en oeuvre des matériels électriques - Canalisations

<https://standards.iteh.ai/catalog/standards/sist/b3a24747-7f6a-4b31-93bf-7282dcb1ff1b/sist-hd-60364-5-52-2011-a11-2018>

Ta slovenski standard je istoveten z: HD 60364-5-52:2011/A11:2017

ICS:

91.140.50 Sistemi za oskrbo z elektriko Electricity supply systems

SIST HD 60364-5-52:2011/A11:2018 en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST HD 60364-5-52:2011/A11:2018](https://standards.iteh.ai/catalog/standards/sist/b3a24747-7f6a-4b31-93bf-7282dc1ffd/sist-hd-60364-5-52-2011-a11-2018)

<https://standards.iteh.ai/catalog/standards/sist/b3a24747-7f6a-4b31-93bf-7282dc1ffd/sist-hd-60364-5-52-2011-a11-2018>

HARMONIZATION DOCUMENT
DOCUMENT D'HARMONISATION
HARMONISIERUNGSDOKUMENT

HD 60364-5-52:2011/A11

December 2017

ICS 13.260; 91.140.50

English Version

**Low-voltage electrical installations - Part 5-52: Selection and
erection of electrical equipment - Wiring systems**

Installations électriques à basse-tension - Partie 5-52:
Choix et mise en oeuvre des matériels électriques -
Canalisations

Errichten von Niederspannungsanlagen - Teil 5-52:
Auswahl und Errichtung elektrischer Betriebsmittel - Kabel-
und Leitungsanlagen

This amendment A11 modifies the Harmonization Document HD 60364-5-52:2011; it was approved by CENELEC on 2017-10-18. 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.

<https://standards.iteh.ai/catalog/standards/sist/b3a24747-7f6a-4b31-93bf-7282dcb1ffdb/sist-hd-60364-5-52-2011-a11-2018>



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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

HD 60364-5-52:2011/A11:2017 (E)

European foreword

This document (HD 60364-5-52:2011/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) 2018-10-18
to be implemented at national level by
publication of an identical national
standard or by endorsement
- latest date by which the national (dow) 2020-10-18
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.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST HD 60364-5-52:2011/A11:2018](https://standards.iteh.ai/catalog/standards/sist/b3a24747-7f6a-4b31-93bf-7282dcb1ffdb/sist-hd-60364-5-52-2011-a11-2018)

<https://standards.iteh.ai/catalog/standards/sist/b3a24747-7f6a-4b31-93bf-7282dcb1ffdb/sist-hd-60364-5-52-2011-a11-2018>

1 Modifications to Annex ZB

Delete the following current Special national condition for Denmark:

Country	Clause	Special national condition
Denmark	522.8.10	In Denmark the following applies: The requirements are not required for cables with a rated voltage not exceeding 50 V ac or 120 V d.c. Cables shall be buried at least 0,35 m under terrain. Cables buried less than 0,7 m under terrain shall be protected by conduits, U-profiles or sheets. Cables buried more than 0,7 m under terrain shall be without additional mechanical protection, when a marking band is placed approximately 0,2 m above the cable. By more than one cable with less than 0,2 m between the outer cables only one marking band is required. Cables coming from the soil up in free air shall be mechanically protected as well under the terrain as above the terrain. NOTE Conduits or galvanized iron, steel or plastic conduits in accordance to DS 2119 for a working pressure of 0,6 MPa can be used for protection.
	528.1	DK SNC: In Denmark, the following requirement applies: Installations without connection to the low-voltage installation and which are installed, supervised and maintained by other than skilled persons shall be separated from the low-voltage installations in a way that is possible to work on them without dismantling the low-voltage installation.

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST HD 60364-5-52:2011/A11:2018](https://standards.iteh.ai/catalog/standards/sist/b3a24747-7f6a-4b31-93bf-7282dcb1ffdb/sist-hd-60364-5-52-2011-a11-2018)

<https://standards.iteh.ai/catalog/standards/sist/b3a24747-7f6a-4b31-93bf-7282dcb1ffdb/sist-hd-60364-5-52-2011-a11-2018>

2 Modifications to Annex ZC

Add the following A-deviations for Denmark:

Country	Clause	Deviation
Denmark	521.9	<p>In Denmark applies, Executive Order on Safety in connection with the Construction and Operation of Electrical Installations.</p> <p>Executive Order no. 1082 from July 12th, 2016, § 51</p> <p>(1). Connection of electrical equipment via a supply cord to the fixed electrical installation must be made either by connection to a socket-outlet using a plug or through connection to an outlet or the like where the supply cord is relieved from strain and secured against twisting by means of a strain relieving device being a part of the electrical equipment of the fixed electrical installation to which the supply cord is connected. (2). A supply cord must be connected to the fixed electrical installation in the room or in open air where the electrical equipment is used. This does not apply to electrical equipment that is moved during use. (3). Supply cords may not be exposed to mechanical, chemical or thermal damage.</p>
	522.8.10	<p>Executive Order no. 1082 from July 12th, 2016, § 41</p> <p>(1). Cables must be buried at a depth of at least 0.35m below the finished terrain. (2). Cables buried at a depth of less than 0.7m must be protected by conduits, U-profiles or cover plates. (3). Cables buried at a depth of more than 0.7m need not have additional mechanical protection, provided that a marking tape is placed approx. 0.2m above the cable. If several cables are buried with less than 0.2m between the cables spaced the farthest apart, only one marking tape is required. (4). Cables exiting the ground must be protected against mechanical effects below as well as above ground by means of durable iron conduits, steel conduits, cable guards or plastic water conduits for an operating pressure of minimum 0.6 MPa. (5) Cables that include only SELV and PELV circuits are not covered by subsections (1)-(4) above, but must be marked with marking tape.</p>
		<p>Executive Order no. 1082 from July 12th, 2016, § 42</p> <p>(1). Cover plates, conduits and U-profiles made from plastic material for protection of buried cables and marking tape made from plastic material for marking buried cables must be red. (2). Cover plates must have a width of at least 100mm and have the following warning text: ELKABEL.</p> <p>(3). Marking tape must have a width of at least 25mm and a thickness of at least 0.3mm and have the following warning text: ELKABEL. (4). The warning text, cf. subsections (2)-(3) above, must i) have a letter height of at least 10mm; ii) the letter colouring must be black and iii) be repeated at intervals not exceeding 200mm between prints. (5) Subsection (4)(ii) only applies to cover plates if they are marked with a stamp.</p>

Country	Clause	Deviation
	526	<p>Executive Order no. 1082 from July 12th, 2016, § 37</p> <p>(1). Connections between conductors as well as between conductors and other equipment must provide lasting and durable electrical contact and have sufficient mechanical strength and protection. (2). Connections must be placed in suitable enclosures that provide sufficient mechanical protection. (3). In the following cases section (2) does not apply: I. connection of protective conductors, including equipotential bonding conductors for extraneous conductive parts. II. connection of or interconnection between protective conductors installed separately , including equipotential bonding conductors, provided that no conductor cross section area is smaller than 4 mm².</p>
		<p>Executive Order no. 1082 from July 12th, 2016, § 38</p> <p>At connection points for electrical equipment, the fixed electrical installation must be terminated in a box, rosette, switch, socket-outlet or in a closed connection room in fixed electrical equipment.</p>
		<p>Executive Order no. 1082 from July 12th, 2016, § 43</p> <p>(1). Installation couplers must i) be installed in an enclosure that can only be opened by means of tools; ii) be placed outside of normal reach, minimum 2.5m above floor level or iii) be placed in a building void. (2). Installation couplers may only be assembled and disassembled when dead.</p>
	528	<p>Executive Order no. 1082 from July 12th, 2016, § 21</p> <p>An electrical installation, other installations and objects must be constructed and placed in such a way that harmful interaction between such installations and objects is not possible.</p>
		<p>Executive Order no. 1082 from July 12th, 2016, § 22</p> <p>Other installations with are not connected or related to the electrical installation must be separated from the electrical installation in such a way that it is possible to perform work on them without interfering with the electrical installation.</p>