



SLOVENSKI STANDARD
SIST HD 60364-5-51:2009/A12:2017
01-oktober-2017

Nizkonapetostne električne inštalacije - 5-51. del: Izbira in namestitvev električne opreme - Splošna pravila - Dopnilo A12

Electrical installations of buildings - Part 5-51: Selection and erection of electrical equipment - Common rules

Errichten von Niederspannungsanlagen - Teil 5-51: Auswahl und Errichtung elektrischer Betriebsmittel - Allgemeine Bestimmungen

Installations électriques des bâtiments - Partie 5-51: Choix et mise en oeuvre des matériels électriques - Règles communes

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Ta slovenski standard je istoveten z: HD 60364-5-51:2009/A12:2017

ICS:

91.140.50 Sistemi za oskrbo z elektriko Electricity supply systems

SIST HD 60364-5-51:2009/A12:2017 en

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HARMONIZATION DOCUMENT
DOCUMENT D'HARMONISATION
HARMONISIERUNGSDOKUMENT

HD 60364-5-51:2009/A12

August 2017

ICS 13.260; 91.140.50

English Version

**Electrical installations of buildings - Part 5-51: Selection and
erection of electrical equipment - Common rules**

Installations électriques des bâtiments - Partie 5-51: Choix
et mise en oeuvre des matériels électriques - Règles
communes

Errichten von Niederspannungsanlagen - Teil 5-51:
Auswahl und Errichtung elektrischer Betriebsmittel -
Allgemeine Bestimmungen

This amendment A12 modifies the Harmonization Document HD 60364-5-51:2009; 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).

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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

HD 60364-5-51:2009/A12:2017 (E)

European foreword

This document (HD 60364-5-51:2009/A12:2017) 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 Modification to Annex ZE

Add the following A-deviations for Denmark:

Clause Deviation

511.1

Denmark

In Denmark applies, Executive Order on Safety in connection with the Construction and Operation of Electrical Installations.

Executive Order no. 1082 from July12th, 2016, § 44 - 48

Only socket-outlets and plugs for household purposes according to the Executive Order on Electrical Equipment may be installed in the electrical installation. 45. The following relation is required in the electrical installation between the rated current of the socket-outlet and the rated current of the closest short-circuit protection upstream: i) For socket-outlets with a rated current of 10A and a rated current of 13A, the highest rated current permitted for the short-circuit protection is 13A. ii) For socket-outlets with a rated current of 16A, the highest rated current permitted for the short-circuit protection is 16A. 46(1). Hospital socket-outlets may only be installed in hospitals and similar areas. (2). Only special hospital equipment with hospital plugs may be connected to hospital socket-outlets. 47(1). Socket-outlets for household and similar purposes as well as other socket-outlets must have a functional earthing contact, cf. however subsection (3). (2). Other connection-points must have a protective conductor, cf. however subsection (4). (3). In the following cases, subsection (1) does not apply: 1. Fixed socket-outlets, where the outlet is shaped as a flat two-pole outlet without earth for connection of class II equipment for maximum 2,5 A 250 V a.c., where this is combined with a two-pole socket-outlet with functional earthing contact. 2. Socket-outlets protected by SELV. (4). In the following cases, subsection (2) does not apply: 1. Connection points for permanent connected equipment of class II 2. Connection points protected by SELV. 48.(1). Socket-outlets protected by electrical separation must have an earthing contact. (2). In case of electrical separation used for supply of more than one item of current using equipment, the exposed-conductive-parts of the separated circuit must be connected by insulated, non-earthed equipotential bonding conductors. (3). The insulated, non-earthed equipotential bonding conductors must not be connected to the protective conductors or exposed-conductive-parts of other circuits or to any extraneous-conductive-parts.

513

Denmark

In Denmark applies, Executive Order on Safety in connection with the Construction and Operation of Electrical Installations.

Executive Order no. 1082 from July12th, 2016, § 29

(1). In front of switchgear and controlgear assemblies whose width or height exceed 1 meter there must be a free area of minimum 1 meter in the entire width of the switchgear and controlgear assembly and from the floor to its topmost edge, but minimum 2 metres above the floor. (2). There must be a free area of minimum 1 metre in front of the farthest protruding switchgear and controlgear assembly part or component. Where switchgear and controlgear assemblies are placed alongside each other, but with a distance of less than 1 metre between them, they will be regarded as one switchgear and controlgear assembly. (3). Busbar trunking systems are not covered by subsection (1)

514.1

Denmark

In Denmark applies, Executive Order on Safety in connection with the Construction and Operation of Electrical Installations.

Executive Order no. 1082 from July12th, 2016, § 36

(1). Appropriate warning signs or notices must be posted where necessary for safety reasons and to avoid danger to persons, domestic animals or property. (2). A marking specifying which parts of the electrical installation it operates must be applied to switchgear and controlgear, unless there is no possibility of confusion. (3). Wiring systems must be placed or marked in such a way that they can be identified when the electrical installation is inspected, tested, repaired or modified.

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Clause Deviation**514.1 and** **Denmark****514.4**

In Denmark applies, Executive Order on Safety in connection with the Construction and Operation of Electrical Installations.

Executive Order no. 1082 from July12th, 2016, § 30

(1). Switchgear and controlgear, including protective equipment, must be provided with unambiguous markings that indicate what part of the electrical installation it operates. (2). If there is no risk of confusing the equipment, subsection (1) above does not apply.

514.3.1.Z2 **Denmark**

In Denmark applies, Executive Order on Safety in connection with the Construction and Operation of Electrical Installations.

Executive Order no. 1082 from July12th, 2016, § 39

(1). A protective conductor must be colour coded green/yellow. (2). A green/yellow conductor may only be used as a protective conductor.

514.4 **Denmark**

In Denmark applies, Executive Order on Safety in connection with the Construction and Operation of Electrical Installations.

Executive Order no. 1082 from July12th, 2016, § 31

(1). By each overcurrent protection there must be a durable marking stating the maximum permitted rated current or the maximum permitted current setting for adjustable equipment.

(2). If an overcurrent protection serves several purposes, the marking must be for the lowest of the permitted values.

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