



# SLOVENSKI STANDARD

## SIST HD 384.6.61 S1:2000

01-februar-2000

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**Električne inštalacije v zgradbah – 6. del: Preverjanje – 61. poglavje: Prvo preverjanje (IEC 60364-6-61:1986, spremenjen)**

Electrical installations of buildings -- Part 6: Verification -- Chapter 61: Initial verification

Elektrische Anlagen von Gebäuden -- Teil 6: Prüfungen -- Hauptabschnitt 61: Erstprüfungen

Installations électriques des bâtiments -- Partie 6: Vérification -- Chapitre 61: Vérification à la mise en service

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**Ta slovenski standard je istoveten z: HD 384.6.61 S1:1992**

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**ICS:**

91.140.50 Sistemi za oskrbo z elektriko Electricity supply systems

**SIST HD 384.6.61 S1:2000**

**en**

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HARMONIZATION DOCUMENT

HD 384.6.61 S1

DOCUMENT D'HARMONISATION

HARMONISIERUNGSDOKUMENT

October 1992

UDC 621.316:172:620.1:658.562

Descriptors: Electrical installation, insulation, protective conductor, equipotential bonding, electrical separation, ELV

## ENGLISH VERSION

Electrical installations of buildings  
Part 6: Verification  
Chapter 61: Initial verification  
(IEC 364-6-61:1986, modified)

Installations électriques des  
bâtiments  
Sixième partie: Vérification  
Chapitre 61: Vérification à la  
mise en service  
(CEI 364-6-61:1986, modifiée)

Elektrische Anlagen von  
Gebäuden  
Teil 6: Prüfungen  
Hauptabschnitt 61:  
Erstprüfungen  
(IEC 364-6-61:1986, modifiziert)

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This Harmonization Document was approved by CENELEC on 1991-12-10. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document on a national level.

Up-to-date lists and bibliographical references concerning national implementation may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

## CENELEC

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

Central Secretariat: rue de Stassart 35, B-1050 Brussels

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Ref. No. HD 384.6.61 S1:1992 E

FOREWORD

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 364-6-61:1986 could be accepted without textual changes, has shown that some common modifications were necessary for the acceptance as Harmonization Document.

The reference document, together with the common modifications prepared by the CENELEC Subcommittee SC 64A, was submitted to the CENELEC members for formal vote in June 1991.

The text of the draft was approved by CENELEC as HD 364.6.61 S1 on 10 December 1992.

The following dates were fixed:

- latest date of announcement  
of the HD at national level (doa) 1992-08-01
- latest date of publication of  
a new harmonized national standard (dop) 1993-03-01
- latest date of withdrawal of  
conflicting national standards (dow) 1993-03-01

For products which have complied with the relevant national standard before 1993-03-01, as shown by the manufacturer or by a certification body, this previous standard may continue to apply for production until 1998-03-01.

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ENDORSEMENT NOTICE

The text of the International Standard IEC 364-6-61:1986 was approved by CENELEC as a Harmonization Document with agreed common modifications as given below.

- | CLAUSE | COMMON MODIFICATIONS  |
|--------|---|
| 611.2  | The second indented text is replaced by:<br>"- correctly selected and erected according to the HD's of the HD 384 series and to the the manufacturer's instructions;" .   |
| 611.3  | In the second line of the second indented text the words "(see Chapter 42)" are replaced by "(see Section 527 and Chapter 42)" .  |
| 612.1  | The third indented text is replaced by:<br>"- protection by separation of circuits in the cases of SELV and PELV and in the case of protection by electrical separation (see Clause 612.4);" .  |
| 612.3  | The text of the first five lines is replaced by:<br>"The insulation resistance shall be measured between each live conductor and earth."<br><br>In Table 61A, the text of the first column, line 3 to 6 ("SELV and functional .....<br>.....411.1.3.3"), is replaced by "SELV and PELV" .<br><br>The text of the last four lines is replaced by:<br>"When the circuit includes electronic devices, phase and neutral conductors shall be connected together during the measurement."<br><br>612.4   |
| 612.4  | The text of this Clause is replaced by:<br>" <u>612.4 Protection by separation of circuits</u><br>The separation of circuits shall be verified in accordance with Subclauses 612.4.1 in the case of protection by SELV, 612.4.2 in the case of protection by PELV and 612.4.3 in the case of protection by electrical separation.<br><br><u>612.4.1 Protection by SELV</u><br>The separation of live parts from those of other circuits and from earth, according to Section 411, shall be verified by a measurement of the insulation resistance. The resistance values shall be in accordance with Table 61A. |

## CLAUSE COMMON MODIFICATIONS

612.4.2 Protection by PELV

The separation of live parts from those of other circuits, according to Section 411, shall be verified by a measurement of the insulation resistance. The resistance values obtained shall be in accordance with Table 61A.

612.4.3 Protection by electrical separation

The separation of live parts from those of other circuits and from earth, according to Clause 413.5, shall be verified by a measurement of the insulation resistance. The resistance values obtained shall be in accordance with Table 61A. " .

- 612.8.1 The text of this Subclause is replaced by:  
" The test is made, on equipment built on site and not type tested, according to the method shown in Appendix E (under consideration) (see, for the time being, EN 60439)." .
- 612.9 In the third line the words "of this standard" are replaced by "of the HD's of the HD 384 series" .
- Appendix A In the fourth line the words "or earth" are introduced after the words "protective conductors" .

## CLAUSE

## COMMON MODIFICATIONS

Annex ZA  
(new)

The following new Annex is introduced:

## "Annex ZA

For the purpose of Chapter 61 the following definitions apply:

Verification

Verification denotes all measures by means of which compliance of the complete electrical installation with the HD's of the HD 384 series is checked.

Verification comprises visual inspection and testing.

Visual inspection

Visual inspection denotes the examination of electrical installations in order to ascertain their proper erection.

Testing

Testing denotes the implementation of measures in electrical installations by means of which their effectiveness is proved.

It includes ascertaining values by means of appropriate measuring instruments, said values not being detectable by visual inspection."

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**COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE  
NORME DE LA CEI**

**INTERNATIONAL ELECTROTECHNICAL COMMISSION  
IEC STANDARD**

**Publication 364-6-61**  
Première édition — First edition  
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**Installations électriques des bâtiments**

**Sixième partie : Vérification**

**Chapitre 61 : Vérification à la mise en service**

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**Electrical installations of buildings**

**Part 6 : Verification**

**Chapter 61 : Initial verification**

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