



SLOVENSKI STANDARD

SIST HD 384.1 S1:2000

01-februar-2000

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Electrical installations of buildings -- Part 1: Scope (IEC 60364-1:1972 + A1:1976, modified)

Elektrische Installationen von Gebäuden -- Teil 1: Geltungsbereich

iTeh STANDARD PREVIEW

Installations électriques des bâtiments -- Partie 1: Domaine d'application
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Ta slovenski standard je istoveten z: **HD 384.1 S1:1979**

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ICS:

91.140.50 Sistemi za oskrbo z elektriko Electricity supply systems

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LJUBLJANA

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PREVZET PO METODI RAZGLASITVE

-02- 2000

English Version

ELECTRICAL INSTALLATIONS OF BUILDINGS
SCOPE

INSTALLATIONS ELECTRIQUES DES BATIMENTS
DOMAINE D'APPLICATION

ELEKTRISCHE INSTALLATIONEN VON GEBÄUDEN
GELTUNGSBEREICH
SIST HD 384.1 S1:2000.

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The CENELEC Technical Committee TC 64 decided to endorse the clause 1 of IEC Publication 364-1 (1972) and sub-clause 1.4 of Amendment No.1 (1976) to IEC Publication 364-1, which bears the above title, as a Harmonization Document.

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C E N E L E C
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EUROPEAN COMMITTEE FOR ELECTROTECHNICAL STANDARDIZATION

COMITE EUROPEEN DE NORMALISATION ELECTROTECHNIQUE

EUROPÄISCHES KOMITEE FÜR ELEKTROTECHNISCHE NORMUNG

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COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

(affiliée à l'Organisation Internationale de Normalisation — ISO)

RECOMMANDATION DE LA CEI**INTERNATIONAL ELECTROTECHNICAL COMMISSION**

(affiliated to the International Organization for Standardization — ISO)

IEC RECOMMENDATION**Publication 364-1**

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1970

Installations électriques des bâtiments

Première partie: Généralités et définitions

iTeh STANDARD PREVIEW**(standards.iteh.ai)****Electrical installations of buildings****Part 1: General and definitions**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRICAL INSTALLATIONS OF BUILDINGS

Part 1: General and definitions

FOREWORD

- 1) The formal decisions or agreements of the IEC on technical matters, prepared by Technical Committees on which all the National Committees having a special interest therein are represented, express, as nearly as possible, an international consensus of opinion on the subjects dealt with.
- 2) They have the form of recommendations for international use and they are accepted by the National Committees in that sense.
- 3) In order to promote this international unification, the IEC expresses the wish that all National Committees having as yet no national rules, when preparing such rules, should use the IEC recommendations as the fundamental basis for these rules in so far as national conditions will permit.
- 4) The desirability is recognized of extending international agreement on these matters through an endeavour to harmonize national standardization rules with these recommendations in so far as national conditions will permit. The National Committees pledge their influence towards that end.

PREFACE

This Recommendation has been prepared by IEC Technical Committee No. 64, Electrical Installations of Buildings.

The meetings of Technical Committee No. 64 and its Working Groups have resulted in close co-operation enabling agreement to be reached on the most important points in spite of the considerable differences that exist between the national rules of certain countries. The text of this Recommendation is intended

- to serve as a guide to countries having need of recommendations concerning the safety of electrical installations and related matters;
- to facilitate international exchanges that may be hampered by differences in national wiring rules;
- to promote compatibility between recommendations for wiring and those concerning the equipment installed.

This Recommendation does not apply to installations for power generation and distribution in so far as such installations are exempted from the scope of the existing national rules or regulations for the electrical installations of buildings.

Supplementary requirements for those applications falling under the scope of specialized Technical Committees of the IEC may be dealt with by those Committees. A close contact will be held between Technical Committee No. 64 and the specialized Committees concerned in order to reach the necessary co-ordination of all IEC Recommendations for electrical installations.

This Publication forms Part 1 of the Recommendation dealing with the Electrical Installations of Buildings. The other parts will be:

- Part 2: Fundamental Principles.
- Part 3: General Requirements.
- Part 4 and following: Supplementary Requirements for Particular Types of Electrical Installations.

Drafts of this Publication were discussed at the meetings held in Paris and in Teheran in 1969. As a result of this latter meeting, a revised draft was submitted to the National Committees for approval under the Six Months' Rule in January 1970.

The following countries voted explicitly in favour of Part 1:

| | |
|----------------|-------------------------------------|
| Australia | Japan |
| Belgium | Netherlands |
| Brazil | South Africa |
| Czechoslovakia | Sweden |
| Finland | Switzerland |
| France | Turkey |
| Germany | Union of Soviet Socialist Republics |
| Israel | United Kingdom |
| Italy | United States of America |

ELECTRICAL INSTALLATIONS OF BUILDINGS

Part 1: General and definitions

1. Scope

1.1 This Recommendation applies to electrical installations such as those of:

- a) residential premises;
- b) commercial premises;
- c) public premises;
- d) industrial premises;
- e) agricultural and horticultural premises;
- f) prefabricated buildings;
- g) caravans and caravan sites and similar sites;
- h) construction sites, carnivals, fairs, and other temporary installations.

1.2 It covers:

- a) circuits supplied at nominal voltages up to and including 1 000 V a.c. or 1 500 V d.c;
- b) circuits, other than the internal wiring of apparatus, operating at voltages exceeding 1 000 V and derived from an installation having a voltage not exceeding 1 000 V a.c., e.g. discharge lighting, electrostatic precipitators;
- c) any wiring not specifically covered by the specifications for appliances;
- d) fixed wiring for telecommunication, signalling, control and the like (excluding internal wiring of apparatus).

1.3 This Recommendation does not apply to:

- a) electric traction equipment;
- b) electrical equipment of automobiles;
- c) electrical equipment on board ships;
- d) electrical equipment in aircraft;
- e) public street lighting installations;
- f) installations in mines;
- g) radio interference suppression equipment, except so far as it affects safety of the installation;
- h) lightning protection of buildings.

Note. — Atmospheric phenomena are covered, however, in so far as effects on the electrical installations are concerned (e.g. with respect to selection of lightning arresters).

1.4 Electrical equipments are dealt with only as far as their selection and their application in the installation are concerned. This applies also to prefabricated assemblies of electrical equipment, type tested according to the relevant specifications.

2. Object

2.1 This Recommendation contains the rules for the design and erection of electrical installations so as to ensure safety and proper functioning for the use intended.

2.2 Part 2 of this Recommendation states the fundamental principles. It does not include detailed technical requirements which may be subject to modifications on account of technical developments.

2.3 Part 3 and subsequent parts of this Recommendation deal with technical requirements the observance of which is intended to ensure that the electrical installations conform with the fundamental principles of Part 2.

3. Definitions

The following definitions apply for the purposes of this Recommendation. They will have to be amended or supplemented according to the later work on the subsequent parts of this Recommendation.

For the definitions of other terms, reference should be made to IEC Publication 50, International Electrotechnical Vocabulary, and IEC Publications dealing with the particular subjects concerned.

3.1 *Electrical equipment*

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Any item used for such purposes as generation, conversion, transmission, distribution or utilisation of electrical energy, such as machines, transformers, apparatus, measuring instruments, protective devices, wiring material, appliances.

3.2 *Electrical installation*

Any combination of interconnected electrical equipment within a given space or location.

3.3 *Live part*

Any conductor or conductive part which is at a voltage in normal use.

Note. — Live parts also include the neutral and conductive parts which are connected with it.

3.4 *Exposed conductive part*

A conductive part which can readily be touched and which is not a live part but which may become alive under fault conditions.

3.5 *Overcurrent*

Any current exceeding the rated current.

Notes 1. — Depending upon its magnitude and the time of its duration, an overcurrent may or may not be harmful.
2. — For conductors, the current carrying capacity is considered to be the rated current.