
**Električne inštalacije zgradb – 5. del: Izbira in namestitvev električne opreme –
51. poglavje: Splošna pravila (IEC 60364-5-51:1994, spremenjen)**

Electrical installations of buildings - Part 5: Selection and erection of electrical
equipment - Chapter 51: Common rules (IEC 60364-5-51:1994, modified)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST HD 384.5.51 S2:2000](https://standards.iteh.ai/catalog/standards/sist/3bc09440-83e3-4ea0-9455-ccca26803887/sist-hd-384-5-51-s2-2000)

[https://standards.iteh.ai/catalog/standards/sist/3bc09440-83e3-4ea0-9455-](https://standards.iteh.ai/catalog/standards/sist/3bc09440-83e3-4ea0-9455-ccca26803887/sist-hd-384-5-51-s2-2000)

[ccca26803887/sist-hd-384-5-51-s2-2000](https://standards.iteh.ai/catalog/standards/sist/3bc09440-83e3-4ea0-9455-ccca26803887/sist-hd-384-5-51-s2-2000)

ICS 91.140.50

Referenčna številka
SIST HD 384.5.51 S2:2000(en)

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST HD 384.5.51 S2:2000

[https://standards.iteh.ai/catalog/standards/sist/3bc09440-83e3-4ea0-9455-
ceed26803087/sist-hd-384-5-51-s2-2000](https://standards.iteh.ai/catalog/standards/sist/3bc09440-83e3-4ea0-9455-ceed26803087/sist-hd-384-5-51-s2-2000)

English version

Electrical installations of buildings
Part 5: Selection and erection of electrical equipment
Chapter 51: Common rules
(IEC 364-5-51:1994, modified)

Installations électriques des bâtiments
Partie 5: Choix et mise en oeuvre des
matériels électriques
Chapitre 51: Règles communes
(CEI 364-5-51:1994, modifiée)

Elektrische Anlagen von Gebäuden
Teil 5: Auswahl und Errichtung
elektrischer Betriebsmittel
Kapitel 51: Allgemeine Bestimmungen
(IEC 364-5-51:1994, modifiziert)

This Harmonization Document was approved by CENELEC on 1995-11-28. 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 such 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.

ITeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST HD 384.5.51 S2:2000](https://standards.iteh.ai/catalog/standards/sist/3bc09440-83e3-4ea0-9455-ccca26803087/sist-hd-384-5-51-s2-2000)

<https://standards.iteh.ai/catalog/standards/sist/3bc09440-83e3-4ea0-9455-ccca26803087/sist-hd-384-5-51-s2-2000>

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

Foreword

The text of the International Standard IEC 364-5-51:1994, prepared by IEC TC 64 "Electrical installations of buildings", together with common modifications prepared by SC 64B, Protection against thermal effects, of Technical Committee CENELEC TC 64, Electrical installations of buildings, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as HD 384.5.51 S2 on 1995-11-28.

The following dates were fixed:

- latest date by which the existence of the HD has to be announced at national level (doa) 1996-05-01
- latest date by which the HD has to be implemented at national level by publication of a harmonized national standard or by endorsement (dop) 1996-11-01
- latest date by which the national standards conflicting with the HD have to be withdrawn (dow) 1996-11-01

Annexes designated "normative" are part of the body of the standard.
Annexes designated "informative" are given for information only.
In this standard, annex ZA is normative and annex ZB is informative.
Annexes ZA and ZB have been added by CENELEC.

iTeh STANDARD PREVIEW (standards.iteh.ai)

SIST HD 384.5.51 S2:2000

<https://standards.iteh.ai/catalog/standards/sist/3bc09440-83e3-4ea0-9455-ccca26803087/sist-hd-384-5-51-s2-2000>



Endorsement notice

The text of the International Standard IEC 364-5-51:1994 was approved by CENELEC as a Harmonization Document with agreed common modifications as given below.

COMMON MODIFICATIONS

510.2 Normative references

Replace the text of this clause by:

NOTE: Normative references to international publications are listed in annex ZA (normative).

512.2 and Table 51A

Move the text and the table to annex ZB (informative).

514.3.2 Add the following note:

NOTE 2: The additional markings at the termination may be omitted in case of wiring systems for distribution of energy to the public and similar distribution systems, e.g. those used in industry.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST HD 384.5.51 S2:2000](https://standards.iteh.ai/catalog/standards/sist/3bc09440-83e3-4ea0-9455-acea26803087/sist-hd-384-5-51-s2-2000)

<https://standards.iteh.ai/catalog/standards/sist/3bc09440-83e3-4ea0-9455-acea26803087/sist-hd-384-5-51-s2-2000>

Annex ZA (normative)

**Normative references to international publications
 with their corresponding European publications**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE: When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 73	1991	Coding of indicating devices and actuators by colours and supplementary means	EN 60073 corr. April	1993 1993
IEC 364-4-41 (mod)	1992	Electrical installations of buildings Part 4: Protection for safety Chapter 41: Protection against electric shock	HD 384.4.41 S2	1996
IEC 364-5-54 (mod)	1980	Part 5: Selection and erection of electrical equipment - Chapter 54: Earthing arrangements and protective conductors	HD 384.5.54 S1	1988
IEC 446	1989 ¹⁾	Identification of conductors by colours or numerals	-	-
IEC 447	1993	Man-machine interface (MMI) - Actuating principles	EN 60447	1993
IEC 617	series	Graphical symbols for diagrams	EN 60617	series
IEC 707	1981	Methods of test for the determination of the flammability of solid electrical insulating materials when exposed to an igniting source	HD 441 S1	1983
IEC 721-3-3	1987	Classification of environmental conditions Part 3: Classification of groups of environmental parameters and their severities - Stationary use at weatherprotected locations	EN 60721-3-3 ²⁾	1993
IEC 721-3-4	1987	Part 3: Classification of groups of environmental parameters and their severities - Stationary use at non-weather protected locations	EN 60721-3-4 ³⁾	1993

1) IEC 446:1977 is harmonized as HD 324 S1:1977.

2) EN 60721-3-3 is superseded by EN 60721-3-3:1995, which is based on IEC 721-3-3:1994.

3) EN 60721-3-4 is superseded by EN 60721-3-4:1995, which is based on IEC 721-3-4:1995.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 750	1983	Item designation in electrotechnology	-	-
IEC 1024-1 (mod)	1990	Protection of structures against lightning Part 1: General principles	ENV 61024-1	1995
IEC 1082	series	Preparation of documents used in electrotechnology	EN 61082	series

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST HD 384.5.51 S2:2000](https://standards.iteh.ai/catalog/standards/sist/3bc09440-83e3-4ea0-9455-ccca26803087/sist-hd-384-5-51-s2-2000)

<https://standards.iteh.ai/catalog/standards/sist/3bc09440-83e3-4ea0-9455-ccca26803087/sist-hd-384-5-51-s2-2000>

Annex ZB (informative)

External influences

NOTE: This annex is given for information: Countries are free to introduce or not this classification in their national standards.

Insert the text of clause 512.2 and table 51A of IEC 364-5-51:1994.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

[SIST HD 384.5.51 S2:2000](https://standards.iteh.ai/catalog/standards/sist/3bc09440-83e3-4ea0-9455-acea26803087/sist-hd-384-5-51-s2-2000)

<https://standards.iteh.ai/catalog/standards/sist/3bc09440-83e3-4ea0-9455-acea26803087/sist-hd-384-5-51-s2-2000>

NORME
INTERNATIONALE
INTERNATIONAL
STANDARD

CEI
IEC
364-5-51

Deuxième édition
Second edition
1994-11

Installations électriques des bâtiments –

Partie 5:

Choix et mise en oeuvre des matériels électriques –
Chapitre 51: Règles communes

Electrical installations of buildings –

Part 5:

Selection and erection of electrical equipment –
Chapter 51: Common rules

iTeh STANDARD PREVIEW
(standards.iteh.ai)

<https://standards.iteh.ai/catalog/standards/sist/384-5-51-s2-2000>
[SIST HD 384.5.51 S2:2000](https://standards.iteh.ai/catalog/standards/sist/384-5-51-s2-2000)

© CEI 1994. Droits de reproduction réservés. — Copyright — all rights reserved

Aucune partie de cette publication ne peut être reproduite ni utilisée sous quelque forme que ce soit et par aucun procédé, électronique ou mécanique, y compris la photocopie et les microfilms, sans l'accord écrit de l'éditeur.

No part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from the publisher.

Bureau Central de la Commission Electrotechnique Internationale 3, rue de Varembe Genève, Suisse



Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE

L

Pour prix, voir catalogue en vigueur
For price, see current catalogue

CONTENTS

	Page
FOREWORD	5
Clause	
510 Common rules	7
511 Compliance with standards	9
512 Operational conditions and external influences	9
513 Accessibility	21
514 Identification	21
515 Prevention of mutual detrimental influence	23

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST HD 384.5.51 S2:2000

<https://standards.iteh.ai/catalog/standards/sist/3bc09440-83e3-4ea0-9455-acea26803087/sist-hd-384-5-51-s2-2000>

INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRICAL INSTALLATIONS OF BUILDINGS -

Part 5: Selection and erection of electrical equipment -
Chapter 51: Common rules

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the IEC is to promote international cooperation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, the IEC publishes International Standards. Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) 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.
- 3) They have the form of recommendations for international use published in the form of standards, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
- 5) The IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with one of its standards.

International Standard IEC 364-5-51 has been prepared by IEC technical committee 64: Electrical installations of buildings.

This second edition cancels and replaces the first edition published in 1979, Amendment No. 1 (1982) and amendment 2 (1993) and constitutes a technical revision.

This new edition includes the texts of the publications quoted below:

Six Months' Rule/DIS	Reports on voting	IEC references
64(CO)47	64(CO)63	364-5-51 (1979)
64(CO)48	64(CO)64	
64(CO)67	64(CO)72	
64(CO)108	64(CO)117	Amend. 1 (1982)
64(CO)202	64(CO)229	Amend. 2 (1993)

and the new text is based on the following documents:

DIS	Report on voting
64(CO)246	64(CO)253

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.