

SLOVENSKI STANDARD
SIST HD 384.7.705 S1:2000**01-februar-2000**

Električne inštalacije zgradb – 7. del: Zahteve za posebne inštalacije ali lokacije – 705. oddelek: Električne inštalacije v kmetijskih in vrtnarskih objektov (IEC 60364-7-705:1984, spremenjen)

Electrical installations of buildings - Part 7: Requirements for special installations or locations - Chapter 705: Electrical installations of agricultural and horticultural premises (IEC 60364-7-705:1984, modified)

Elektrische Anlagen von Gebäuden -- Teil 7: Bestimmungen für Betriebsstätten, Räume und Anlagen besonderer Art -- **Hauptabschnitt 705: Landwirtschaftliche Betriebsstätten**

Installations électriques des bâtiments -- **Partie 7: Règles pour les installations et emplacements spéciaux -- Section 705: Installations électriques dans les établissements agricoles et horticoles**

Ta slovenski standard je istoveten z: HD 384.7.705 S1:1991

ICS:

65.040.01	Kmetijska poslopja in naprave na splošno	Farm buildings and installations in general
91.140.50	Sistemi za oskrbo z elektriko	Electricity supply systems

SIST HD 384.7.705 S1:2000 **en**

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HARMONIZATION DOCUMENT

HD 384.7.705 S1

DOCUMENT D'HARMONISATION

HARMONISIERUNGSDOKUMENT

April 1991

UDC 621.316.176:631

Descriptors: Electrical installation, SELV, residual current protection device, conventional voltage limit, supplementary equipotential bonding, risks of fire, emergency switching

ENGLISH VERSION

ELECTRICAL INSTALLATIONS OF BUILDINGS
PART 7: REQUIREMENTS FOR SPECIAL INSTALLATIONS OR LOCATIONS
SECTION 705 - ELECTRICAL INSTALLATIONS OF AGRICULTURAL AND
HORTICULTURAL PREMISES
(IEC 364-7-705:1984, modified)

Installations électriques des
bâtiments

Septième partie: Règles pour les
installations et emplacements
spéciaux

Section 705 - Installations
électriques dans les établissements
agricoles et horticoles

(CEI 364-7-705:1984, modifiée) [SIST HD 384.7.705 S1:2000](https://standards.iteh.ai/catalog/standards/sist/39b78003-1038-4215-a2a9-150f62f94d1/sist-hd-384-7-705-s1-2000)

Elektrische Anlagen von
Gebäuden

Teil 7: Bestimmungen für
Betriebsstätten, Räume und
Anlagen besonderer Art

Hauptabschnitt 705 -
Landwirtschaftliche
Betriebsstätten

(IEC 364-7-705:1984, modifiziert)

<https://standards.iteh.ai/catalog/standards/sist/39b78003-1038-4215-a2a9-150f62f94d1/sist-hd-384-7-705-s1-2000>

This Harmonization Document was approved by CENELEC on 1989-09-11. 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

FOREWORD

The CENELEC questionnaire procedure, performed for finding out whether or not the International Standard IEC 364-7-705:1984 could be accepted without textual changes, has shown that some CENELEC 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, Electrical installations of buildings: protection against electric shock, was submitted to the CENELEC members for formal vote.

The text of the draft was approved by all CENELEC members with the exception of Austria and Sweden as HD 384.7.705 S1 on 11 September 1989.

The following dates were fixed:

- latest date of announcement
of the HD at national level (doa) 1989-12-01
- latest date of publication of
a new harmonized national standard (dop) 1991-11-01
- latest date of withdrawal of
conflicting national standards (dow) 1991-11-01

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ENDORSEMENT NOTICE

The text of the International Standard IEC 364-7-705:1984 was approved by CENELEC as a Harmonization Document with agreed common modifications as given below.

COMMON MODIFICATIONS

Clause 705-1 : Scope

The following new paragraph is added:

"Installations of dwelling intended for human habitation are excluded"

Clause 705-413-1

The text of clause is replaced by:

"For the application of the protective measure against indirect contact by automatic disconnection of supply, the conventional voltage limit in locations in which livestock are intended to be kept is $U_L = 25V$ a.c.r.m.s. or 60 V ripple free d.c. and the maximum disconnecting time is that indicated in Table... (under consideration).

Clause 705.512

The text of the clause is replaced by:

"Electrical equipment, installed as in normal use, shall have at least the degree of protection IP 44.

Note - high degrees of protection should be provided depending on external influences"

Clause 705-52 : Wiring systems

The following words are added:

"Under consideration"

Clause 705.55 Other equipment*

In note 1 the following words are deleted:

"falling lines, etc."

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

364-7-705

Première édition
First edition
1984-12

Installations électriques des bâtiments

Septième partie:

Règles pour les installations et emplacements
spéciaux

Section 705 – Installations électriques dans les
établissements agricoles et horticoles

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Electrical installations of buildings

Part 7:

Requirements for special installations or locations
Section 705 – Electrical installations of agricultural
and horticultural premises

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Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

ELECTRICAL INSTALLATIONS OF BUILDINGS

Part 7: Requirements for special installations or locations

Section 705 — Electrical installations
of agricultural and horticultural premises

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 international unification, the IEC expresses the wish that all National Committees should adopt the text of the IEC recommendation for their national rules in so far as national conditions will permit. Any divergence between the IEC recommendation and the corresponding national rules should, as far as possible, be clearly indicated in the latter.

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SIST PREFACE S1:2000

<https://standards.iteh.ai/catalog/standards/sist/39b78003-1038-4215-a2a9-508289441/sist/384-7-705-2000>

This standard has been prepared by IEC Technical Committee No. 64: Electrical Installations of Buildings.

The text of this standard is based on the following documents:

Six Months' Rule	Report on Voting
64(CO)132	64(CO)143

Further information can be found in the Report on Voting indicated in the table above.

ELECTRICAL INSTALLATIONS OF BUILDINGS

Part 7: Requirements for special installations or locations

Section 705 — Electrical installations of agricultural and horticultural premises

700.1 Introduction

The requirements of Part 7 supplement, modify or replace the general requirements of the other parts of IEC Publication 364.

The numbers following the particular number of section of Part 7 are those of the corresponding parts, chapters, sections or clauses of IEC Publication 364.

The absence of reference to a chapter, a section or a clause means that the corresponding general requirements are applicable.

iTeh STANDARD PREVIEW

705. ELECTRICAL INSTALLATIONS OF AGRICULTURAL AND HORTICULTURAL PREMISES

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705.1 Scope

The particular requirements of this section apply to all parts of fixed installations of agricultural and horticultural premises outdoors and indoors and to locations where livestock are kept (such as stables, chicken-houses, piggeries, feed-processing locations, lofts and storages for hay, straw and fertilizers).

705.4 Protection for safety

705.41 Protection against electric shock

705.411.1.3.7 Where safety extra-low voltage is used, whatever the nominal voltage, protection against direct contact shall be provided by

- barriers or enclosures affording at least the degree of protection IP2X, or
- insulation capable of withstanding a test voltage of 500 V for 1 min.

705.412.5 Circuits with socket-outlets shall be protected by residual current operated protective device having a rated operating residual current not exceeding 30 mA.