

**Low-voltage electrical installations -- Part 5-56:
Selection and erection of electrical equipment - Safety
services**

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EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-HD 60364-5-56:2010 sisaldab Euroopa standardi HD 60364-5-56:2010 ingliskeelset teksti.

Standard on kinnitatud Eesti Standardikeskuse 31.03.2010 käskkirjaga ja jõustub sellekohase teate avaldamisel EVS Teatajas.

Euroopa standardimisorganisatsioonide poolt rahvuslikele liikmetele Euroopa standardi teksti kättesaadavaks tegemise kuupäev on 26.02.2010.

Standard on kättesaadav Eesti standardiorganisatsioonist.

This Estonian standard EVS-HD 60364-5-56:2010 consists of the English text of the European standard HD 60364-5-56:2010.

This standard is ratified with the order of Estonian Centre for Standardisation dated 31.03.2010 and is endorsed with the notification published in the official bulletin of the Estonian national standardisation organisation.

Date of Availability of the European standard text 26.02.2010.

The standard is available from Estonian standardisation organisation.

ICS 91.140.50

Standardite reprodutseerimis- ja levitamiseõigus kuulub Eesti Standardikeskusele

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English version

**Low-voltage electrical installations -
Part 5-56: Selection and erection of electrical equipment -
Safety services
(IEC 60364-5-56:2009)**

Installations électriques à basse tension -
Partie 5-56: Choix et mise en oeuvre
des matériels -
Services de sécurité
(CEI 60364-5-56:2009)

Errichten von Niederspannungsanlagen -
Teil 5-56: Auswahl und Errichtung
elektrischer Betriebsmittel -
Einrichtungen für Sicherheitszwecke
(IEC 60364-5-56:2009)

This Harmonization Document was approved by CENELEC on 2009-11-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document at national level.

Up-to-date lists and bibliographical references concerning such national implementations 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, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

Central Secretariat: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 64/1677/FDIS, future edition 2 of IEC 60364-5-56, prepared by IEC TC 64, Electrical installations and protection against electric shock, was submitted to the IEC-CENELEC parallel vote.

A draft amendment, prepared by the Technical Committee CENELEC TC 64, Electrical installations and protection against electric shock, was submitted to the formal vote.

The combined texts were approved by CENELEC as HD 60364-5-56 on 2009-11-01.

This Harmonization Document supersedes HD 384.5.56 S1:1985.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

The following dates were fixed:

- latest date by which the HD has to be implemented (dop) 2010-11-01
at national level by publication of a harmonized
national standard or by endorsement
- latest date by which the national standards conflicting (dow) 2012-11-01
with the HD have to be withdrawn

In this document, the common modifications to the International Standard are indicated by a vertical line in the left margin of the text.

For this Harmonization Document, the informative Annex C of IEC 60364-5-56:2009 shall be disregarded and has been replaced by the normative Annex ZA, *Special national conditions*, and the informative Annex ZB, *A-deviations*.

Annexes ZA and ZB have been added by CENELEC.

56 Selection and erection of electrical equipment – Safety services

560.1 Scope

This part of HD 60364 covers general requirements for safety services, selection and erection of electrical supply systems for safety services and electrical safety sources.

Standby electrical supply systems are outside the scope of this part. This part does not apply to installations in hazardous areas (BE3), for which requirements are given in EN 60079-14.

560.2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

EN 1838:1999, *Lighting applications – Emergency lighting*

EN 50171:2001, *Central power supply systems*

EN 50200, *Method of test for resistance to fire of unprotected small cables for use in emergency circuits*

EN 50272-2, *Safety requirements for secondary batteries and battery installations – Part 2: Stationary batteries*

IEC 60331 (all parts), *Tests for electric cables under fire conditions – Circuit integrity*

EN 60332-1-2, *Tests on electric and optical fibre cables under fire conditions - Part 1-2: Test for vertical flame propagation for a single insulated wire or cable - Procedure for 1 kW premixed flame* (IEC 60332-1-2)

HD 60364-4-43:200X¹⁾, *Low-voltage electrical installations – Part 4-43: Protection for safety – Protection against overcurrent* (IEC 60364-4-43:2008, mod.)

EN 60623, *Secondary cells and batteries containing alkaline or other non-acid electrolytes - Vented nickel-cadmium prismatic rechargeable single cells* (IEC 60623)

EN 60702-1, *Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V – Part 1: Cables* (IEC 60702-1)

EN 60702-2, *Mineral insulated cables and their terminations with a rated voltage not exceeding 750 V – Part 2: Terminations* (IEC 60702-2)

EN 60896-11, *Stationary lead-acid batteries - Part 11: Vented types; General requirements and methods of test* (IEC 60896-11)

EN 60896-21, *Stationary lead-acid batteries - Part 21: Valve regulated types - Methods of test* (IEC 60896-21)

EN 62040-1, *Uninterruptible Power Systems (UPS) - Part 1: General and safety requirements for UPS* (IEC 62040-1)

EN 62040-3, *Uninterruptible power systems (UPS) - Part 3: Method of specifying the performance and test requirements* (IEC 62040-3)

ISO 8528-12, *Reciprocating internal combustion engine driven alternating current generating sets – Part 12: Emergency power supply to safety services*

¹⁾ To be ratified.