
Zaščita pred delovanjem strele - 3. del: Fizična škoda na zgradbah in nevarnost za živa bitja

Protection against lightning -- Part 3: Physical damage to structures and life hazard

Blitzschutz -- Teil 3: Schutz von baulichen Anlagen und Personen

Protection contre la foudre -- Partie 3: Dommages physiques sur les structures et risques humains

Ta slovenski standard je istoveten z: EN 62305-3:2006/A11:2009

ICS:

91.120.40

Zaščita pred strelo

Lightning protection

SIST EN 62305-3:2006/A11:2009**en,fr,de**

iTeh STANDARD PREVIEW **(standards.iteh.ai)**

SIST EN 62305-3:2006/A11:2009

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 62305-3/A11

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ICS 29.020; 91.120.40

English version

**Protection against lightning -
Part 3: Physical damage to structures and life hazard**

Protection contre la foudre -
Partie 3: Dommages physiques
sur les structures et risques humains

Blitzschutz -
Teil 3: Schutz von baulichen Anlagen
und Personen

This amendment A11 modifies the European Standard EN 62305-3:2006; it was approved by CENELEC on 2008-12-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

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

This amendment exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, 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

This amendment to the European Standard EN 62305-3:2006 was prepared by the Technical Committee CENELEC TC 81X, Lightning protection.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A11 to EN 62305-3:2006 on 2008-12-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented
at national level by publication of an identical
national standard or by endorsement (dop) 2009-12-01
- latest date by which the national standards conflicting
with the amendment have to be withdrawn (dow) 2011-12-01

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2 Normative references

Add the following references:

EN 50164-1:2008, *Lightning Protection Components (LPC) – Part 1: Requirements for connection components*

EN 50164-2:2008, *Lightning Protection Components (LPC) – Part 2: Requirements for conductors and earth electrodes*

EN 50164-3:2006, *Lightning Protection Components (LPC) – Part 3: Requirements for isolating spark gaps*

3 Terms and definitions

Replace the following definitions as follows:

3.16

connecting component

part of a LPS which is used for the connection of conductors to each other or to metallic installations, defined as in the EN 50164 series

3.17

fixing component

part of a LPS which is used to fix the elements of the LPS to the structure to be protected, defined as in the EN 50164 series

Add the following new definition:

3.35

Isolating Spark Gap (ISG)

component with discharge distance for isolating electrically conductive installation sections

NOTE In the event of a lightning strike, the installation sections are temporary connected conductively as the result of response of the discharge.

4 Lightning Protection System (LPS)

4.3 Continuity of steelwork in reinforced concrete structures

Add the following NOTE after NOTE 2:

NOTE 3 When the continuity of steelwork in reinforced concrete is intended to be established by clamping, specifically designed clamps complying with and tested according to EN 50164-1, shall be used.

5 External lightning protection system

5.5 Components

Replace the whole subclause by:

5.5 Components

Components of LPS shall withstand the electromagnetic effects of lightning current and predictable accidental stresses without being damaged. This can be achieved by choosing components that have successfully been tested in accordance with the EN 50164 series.

All components shall comply with the EN 50164 series.

NOTE Components made of material other than metal may be used for fixing.

5.6.2 Dimensions

Replace the whole subclause by:

5.6.2 Dimensions

Material, configuration and minimum cross sectional area of the air termination conductors, air termination rods, earth lead-in rods and down conductors shall comply with the requirements and tests according to the EN 50164 series.

Material, configuration and minimum cross sectional area of earth electrodes shall comply with the requirements and tests according to the EN 50164 series.

Table 6 – Material, configuration and minimum cross-sectional area of air termination conductors, air termination rods and down-conductors

Replace footnote 10) of Table 6 by the following footnote (excerpt from Table 1 of EN 50164-2):

10) Allowable tolerance: - 3 %.

6 Internal lightning protection system

6.2.2 Lightning equipotential bonding for metal installation

Replace in the 9th and 10th paragraph the initials “SPDs” by the initials “ISGs”.

Replace the last dashed line as follows:

- other characteristics shall comply with the requirements and tests of EN 50164-3.