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Komponenter i åskskyddsanläggningar – Del 4: Fordringar på fästelement för ledare

*Lightning protection system components (LPSC) –
Part 4: Requirements for conductor fasteners*

Som svensk standard gäller europastandarden EN 62561-4:2017. Den svenska standarden innehåller den officiella engelska språkversionen av EN 62561-4:2017.

Nationellt förord

Europastandarden EN 62561-4:2017

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 62561-4, Second edition, 2017 - Lightning protection system components (LPSC) - Part 4: Requirements for conductor fasteners**

utarbetad inom International Electrotechnical Commission, IEC.

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English Version

**Lightning protection system components (LPSC) - Part 4:
Requirements for conductor fasteners
(IEC 62561-4:2017)**

Composants de systèmes de protection contre la foudre
(CSPF) - Partie 4: Exigences pour les fixations de
conducteur
(IEC 62561-4:2017)

Blitzschutzsystembauteile (LPSC) - Teil 4: Anforderungen
an Leitungshalter
(IEC 62561-4:2017)

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

This European Standard 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 81/564/FDIS, future edition 2 of IEC 62561-4, prepared by IEC/TC 81, "Lightning protection", was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62561-4:2017.

The following dates are fixed:

- | | | |
|---|-------|------------|
| – latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2018-06-01 |
| – latest date by which the national standards conflicting with this document have to be withdrawn | (dow) | 2020-12-01 |

This document supersedes EN 62561-4:2011.

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Endorsement notice

The text of the International Standard IEC 62561-4:2017 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 62305 (series)	NOTE	Harmonized as EN 62305 (series).
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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-52	1996	Environmental testing -- Part 2-52: Tests -EN 60068-2-52 Test Kb: Salt mist, cyclic (sodium chloride solution)		1996
IEC 60068-2-75	2014	Environmental testing - Part 2-75: Tests -EN 60068-2-75 Test Eh: Hammer tests		2014
IEC 62305-3	-	Protection against lightning -- Part 3:EN 62305-3 Physical damage to structures and life hazard		-
IEC 62561-1	2017		EN 62561-1	2017
ISO 4892-2	2013	Plastics - Methods of exposure to laboratory light sources - Part 2: Xenon-arc lamps	EN ISO 4892-2	2013
ISO 4892-3	-		EN ISO 4892-3	2016
ISO 4892-4	-	Plastics - Methods of exposure to laboratory light sources - Part 4: Open-flame carbon-arc lamps		-
ISO 6957	1988	Copper alloys; ammonia test for stress-corrosion resistance		-
ISO 6988	1985	Metallic and other non-organic coatings -EN ISO 6988 Sulfur dioxide test with general condensation of moisture		1994

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LIGHTNING PROTECTION SYSTEM COMPONENTS (LPSC) –**Part 4: Requirements for conductor fasteners****FOREWORD**

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International Standard IEC 62561-4 has been prepared by IEC technical committee 81: Lightning protection.

This second edition cancels and replaces the first edition, published in 2010. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- new detailed flow chart of the tests;
- in Annexes A and B, composite fasteners have been added.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
81/564/FDIS	81/567/RVD

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

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 62561 series, published under the general title *Lightning protection system components (LPSC)*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

This part of IEC 62561 deals with the requirements and tests for lightning protection system components (LPSC), specifically conductor fasteners used for the installation of a lightning protection system (LPS) designed and implemented according to IEC 62305 (all parts).

LIGHTNING PROTECTION SYSTEM COMPONENTS (LPSC) –

Part 4: Requirements for conductor fasteners

1 Scope

This part of IEC 62561 deals with the requirements and tests for metallic and non-metallic conductor fasteners that are used to retain and support the air-termination, down-conductor and earth-termination systems.

This document does not cover the fixing of conductor fasteners to the fabric of structures due to the vast number and types used in modern day construction.

LPSC can also be suitable for use in hazardous atmospheres. There are therefore additional requirements when installing the components in such conditions.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

IEC 60068-2-52:1996, *Environmental testing – Part 2-52: Tests – Test Kb: Salt mist, cyclic (sodium chloride solution)*

IEC 60068-2-75:2014, *Environmental testing – Part 2: Tests – Test Eh: Hammer tests*

IEC 62305-3, *Protection against lightning – Part 3: Physical damage to structures and life hazard*

IEC 62561-1:2017, *Lightning Protection System Components (LPSC) – Part 1: Requirements for connection components*

ISO 4892-2:2013, *Plastics – Methods of exposure to laboratory light sources – Part 2: Xenon-arc lamps*

ISO 4892-3:2016, *Plastics – Methods of exposure to laboratory light sources – Part 3: Fluorescent UV lamps*

ISO 4892-4, *Plastics – Methods of exposure to laboratory light sources – Part 4: Open-flame, carbon-arc lamps*

ISO 6988:1985, *Metallic and other non-organic coatings – Sulphur dioxide test with general condensation of moisture*

ISO 6957:1988, *Copper alloys – Ammonia test for stress corrosion resistance*