

STN	Súčasti systému ochrany pred bleskom (LPSC) Časť 6: Požiadavky na počítadlá zásahov blesku (LSC)	STN EN IEC 62561-6 35 7605
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Lightning protection system components (LPSC) - Part 6: Requirements for lightning strike counters (LSC)

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 08/18

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Supersedes EN 62561-6:2011

English Version

**Lightning protection system components (LPSC) - Part 6:
Requirements for lightning strike counters (LSC)
(IEC 62561-6:2018)**

Composants des systèmes de protection contre la foudre
(CSPF) - Partie 6: Exigences pour les compteurs de coups
de foudre (LSC)
(IEC 62561-6:2018)

Blitzschutzsystembauteile (LPSC) - Teil 6: Anforderungen
an Blitzzähler (LSC)
(IEC 62561-6:2018)

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EN IEC 62561-6:2018 (E)**European foreword**

The text of document 81/575/FDIS, future edition 2 of IEC 62561-6, prepared by IEC/TC 81 "Lightning protection" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62561-6:2018.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2018-12-01
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-01-01

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In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60060-1	NOTE	Harmonized as EN 60060-1.
IEC 61000-6-2	NOTE	Harmonized as EN 61000-6-2.
IEC 61180-1	NOTE	Harmonized as EN 61180-1.
IEC 62305-1:2010	NOTE	Harmonized as EN 62305-1:2011 (modified).
IEC 62475	NOTE	Harmonized as EN 62475.
ISO 4892-2	NOTE	Harmonized as EN ISO 4892-2.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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NOTE 1 Where 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 - Test Kb: Salt mist, cyclic (sodium chloride solution)	EN 60068-2-52	1996
IEC 60068-2-75	1997	Environmental testing -- Part 2-75: Tests - Test Eh: Hammer tests	EN 60068-2-75	1997
IEC 60529	-	Degrees of protection provided by enclosures (IP Code)	EN 60529	-
IEC 61000-6-4	-	Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments	EN 61000-6-4	-
ISO 6988	1985	Metallic and other non-organic coatings - Sulfur dioxide test with general condensation of moisture	EN ISO 6988	1994



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INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Lightning protection system components (LPSC) –
Part 6: Requirements for lightning strike counters (LSC)**

**Composants des systèmes de protection contre la foudre (CSPF) –
Partie 6: Exigences pour les compteurs de coups de foudre (LSC)**





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INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Lightning protection system components (LPSC) –
Part 6: Requirements for lightning strike counters (LSC)**

**Composants des systèmes de protection contre la foudre (CSPF) –
Partie 6: Exigences pour les compteurs de coups de foudre (LSC)**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LIGHTNING PROTECTION SYSTEM COMPONENTS (LPSC) – Part 6: Requirements for lightning strike counters (LSC)

FOREWORD

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International Standard IEC 62561-6 has been prepared by IEC technical committee 81: Lightning protection.

This second edition cancels and replaces the first edition published in 2011. This edition constitutes a technical revision.

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

- a) removal of previous classification and introduction of a simple division into Type I for impulses (direct lightning current detection) and Type II for lightning surge current detection, with appropriate testing for each type;
- b) modification and addition of terms and definitions;
- c) addition of a new Annex C (tests flow chart).

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

FDIS	Report on voting
81/575/FDIS	81/578/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) that may be used to determine the number of impulses or nominal currents on specific conductors associated with a lightning protection system (LPS) designed and implemented according to IEC 62305 series of standards.

LIGHTNING PROTECTION SYSTEM COMPONENTS (LPSC) –

Part 6: Requirements for lightning strike counters (LSC)

1 Scope

This part of IEC 62561 specifies the requirements and tests for devices intended to count the number of lightning strikes based on the current flowing in a conductor. This conductor may be part of a lightning protection system (LPS) or connected to an SPD installation or other conductors, which are not intended to conduct a significant portion of lightning currents.

LSCs may also be suitable for use in hazardous atmospheres and there are therefore extra requirements necessary for the components to be installed 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.

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IEC 60068-2-75:1997, *Environmental testing – Part 2-75: Tests – Test Eh: Hammer tests*

IEC 60529, *Degrees of protection provided by enclosures (IP Code)*

IEC 61000-6-4, *Electromagnetic compatibility (EMC) – Part 6-4: Generic standards – Emission standard for industrial environments*

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