IEC 62561-5

Edition 3.0 2023-12
REDLINE VERSION

INTERNATIONAL STANDARD

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Lightning protection system components (LPSC) – Part 5: Requirements for earth electrode inspection housings and earth electrode seals

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

ICS 29.020, 91.120.40

ISBN 978-2-8322-7963-2

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LIGHTNING PROTECTION SYSTEM COMPONENTS (LPSC) –

Part 5: Requirements for earth electrode inspection housings and earth electrode seals

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IEC 62561-5 has been prepared by IEC technical committee 81: Lightning protection. It is an International Standard.

This third edition cancels and replaces the second edition published in 2017. This edition constitutes a technical revision.

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

a) A classification of earth electrode seals has been added.

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

Draft	Report on voting
81/738/FDIS	81/753/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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INTRODUCTION

This part of IEC 62561 deals with the requirements and tests for lightning protection system components (LPSC), specifically earth electrode inspection housings and earth electrode seals, used for the installation of a lightning protection system (LPS) designed and implemented according to the IEC 62305 series [1][1].

1 Numbers in square brackets refer to the Bibliography.

LIGHTNING PROTECTION SYSTEM COMPONENTS (LPSC) –

Part 5: Requirements for earth electrode inspection housings and earth electrode seals

1 Scope

This part of IEC 62561 specifies the requirements and tests for earth electrode inspection housings (earth housings) installed in the earth and for earth electrode seals.

Lightning protection system components (LPSC) can also be suitable for use in hazardous atmospheres. For this reason, there are additional requirements when installing the components under such conditions.

NOTE Different requirements and test procedures are given in the EN 124 series [2] and the EN 1253 series [3].

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

There are no normative references in this document.

IEC 62561-5

Edition 3.0 2023-12

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Lightning protection system components (LPSC) – Part 5: Requirements for earth electrode inspection housings and earth electrode seals

Composants des systèmes de protection contre la foudre (CSPF) – Partie 5: Exigences pour les regards de visite et les joints des électrodes de terre



IEC 62561-5:2023-12(en-fr)

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1 Numbers in square brackets refer to the Bibliography.

LIGHTNING PROTECTION SYSTEM COMPONENTS (LPSC) –

Part 5: Requirements for earth electrode inspection housings and earth electrode seals

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COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

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COMPOSANTS DES SYSTÈMES DE PROTECTION CONTRE LA FOUDRE (CSPF) –

Partie 5: Exigences pour les regards de visite et les joints des électrodes de terre

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Cette troisième édition annule et remplace la deuxième édition parue en 2017. Cette édition constitue une révision technique.

Cette édition inclut les modifications techniques majeures suivantes par rapport à l'édition précédente:

a) une classification des joints d'électrodes de terre a été ajoutée.

Le texte de cette Norme internationale est issu des documents suivants:

Projet	Rapport de vote
81/738/FDIS	81/753/RVD

Le rapport de vote indiqué dans le tableau ci-dessus donne toute information sur le vote ayant abouti à son approbation.

La langue employée pour l'élaboration de cette Norme internationale est l'anglais.

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INTRODUCTION

La présente partie de l'IEC 62561 traite des exigences et des essais pour les composants des systèmes de protection contre la foudre (CSPF), en particulier des regards de visite et des joints d'électrodes de terre utilisés pour l'installation d'un système de protection contre la foudre (SPF) conçu et mis en œuvre conformément à la série IEC 62305 [1][1].

1 Les chiffres entre crochets renvoient à la Bibliographie.

COMPOSANTS DES SYSTÈMES DE PROTECTION CONTRE LA FOUDRE (CSPF) –

Partie 5: Exigences pour les regards de visite et les joints des électrodes de terre

1 Domaine d'application

La présente partie de l'IEC 62561 spécifie les exigences et les essais pour les regards de visite des électrodes de terre (regards de terre) installés dans le sol et pour les joints des électrodes de terre.

Les composants des systèmes de protection contre la foudre (CSPF) peuvent aussi être employés dans des atmosphères dangereuses. Pour cette raison, il existe des exigences supplémentaires pour installer les composants dans de telles conditions.

NOTE Différentes exigences et procédures d'essai sont données dans la série EN 124 [2] et dans la série EN 1253 [3].

2 Références normatives

Le présent document ne contient aucune référence normative.