

# INTERNATIONAL STANDARD

## Lightning protection system components (LPSC) – Part 2: Requirements for conductors and earth electrodes

Preview

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Lightning protection system components (LPSC) –  
Part 2: Requirements for conductors and earth electrodes

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**Part 2: Requirements for conductors and earth electrodes**

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The text of this standard is based on the following documents:

FDIS	Report on voting
81/417/FDIS	81/423/RVD

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

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

The content of this document is taken from the European Standard EN 50164-2.

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## INTRODUCTION

This part of IEC 62561 deals with the requirements and tests for lightning protection system components (LPSC) used for the installation of a lightning protection system (LPS) designed and implemented according to the IEC 62305 series of standards.

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## LIGHTNING PROTECTION SYSTEM COMPONENTS (LPSC) –

### Part 2: Requirements for conductors and earth electrodes

#### 1 Scope

This part of IEC 62561 specifies the requirements and tests for:

- metallic conductors (other than “natural” conductors) that form part of the air termination system and down conductors;
- metallic earth electrodes that form part of the earth termination system.

#### 2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 60228, *Conductors of insulated cables*

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

IEC 62305-4, *Protection against lightning – Part 4: Electrical and electronic systems within structures*

IEC 62561-1, *Lightning protection system components (LPSC) – Part 1: Requirements for connection components*

ISO 1460, *Metallic coatings – Hot dip galvanized coatings on ferrous materials – Gravimetric determination of the mass per unit area*

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