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**NATIONAL STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

GB/T 33350.6-2016

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

雷电防护系统部件 (LPSC) 第6部分: 雷击计数器 (LSC) 的要求
(English Translation)

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Appendix A (normative) Lightning counter Environmental impact test for nonmetallic shields --- Anti-UV capability

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Reference

Foreword

GB/T 33350 "Lightning Protection System Components (LPSC)" is divided into seven parts.

- Part 1. Requirements for connectors;
- Part 2. Requirements for conductors and earthing poles;
- Part 3. Requirements for Isolated Discharge Clearance (ISG);
- Part 4. Requirements for conductor fasteners;
- Part 5. Requirements for earthing checkers and earthing seals;
- Part 6. Requirements for Lightning Counter (LSC);
- Part 7. Requirements for grounding resistance reduction material.

This part is Part 6 of GB/T 33350.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This part uses the translation method equivalent to IEC 62561-6.:2011 "Lightning Protection System Components (LPSC) Part 6. Lightning Count (LSC) requirements ".

In this part of the normative reference to the international documents have a consistent correspondence between the following documents.

--- GB 4208-2008 enclosure protection class (IP code) (IEC 60529.:2001, IDT) Test method for exposure of plastic laboratory light sources GB/T 16422.4-2014 Part 4. Open carbon arc lamps (ISO 4892-4.:2004, IDT) GB/T 16927.1-2011 High voltage test technology - Part 1. General definitions and test requirements (IEC 60060-1.:2010, MOD) GB/T 17627.1-1998 High voltage test technology for low voltage electrical equipment Part 1. Definitions and test requirements (eqv IEC 61180-1.:1992)

--- GB 17799.4-2012 Electromagnetic compatibility General standard emission in industrial environments (IEC 61000-6-4.:2011, IDT) this section makes the following editorial changes to IEC 62561-6.:2011.

--- correct the error in A.1, replace "B.1, B.2, B.3" with "A.2, A.3, A.4"

Introduction

This part of GB/T 33350 relates to the use of the lightning protection system (LPS) designed and installed in accordance with the IEC 62305 series Lightning Protection System Components (LPSC) requirements and tests.

Lightning Protection System Components (LPSC) Part 6. Requirements for Lightning Counter (LSC)

1 Scope

This part of GB/T 33350 specifies the requirements and test methods for lightning counters. The lightning counter is installed in a lightning protection device Part of the conductor or surge protector (SPD) on the connecting conductor, the current flowing through these conductors is only part of the total lightning current.

Note: Stroke counter also applies to hazardous environments. Components that are installed under this condition should take into account the necessary additional requirements.

2 Normative reference documents

The following documents are indispensable for the application of this document. For dated references, only the dated edition applies to this article Pieces. For undated references, the latest edition (including all modifications) applies to this document.

GB/T 2423.18-2012 Environmental tests - Part 2. Test methods Test Kb. Salt mist, alternating (sodium chloride solution) (IEC 60068-2-52.:1996, IDT) GB/T 2423.55-2006 Environmental testing for electric and electronic products - Part 2. Test methods - Test Eh. Hammer test (IEC 60068-2-75.:1997, IDT) GB/T 9789-2008 Metallic and other inorganic coatings - Test of sulfur dioxide corrosion under common conditions of condensation (ISO 6988.

1985, IDT)

GB/T 16422.2-2014 Plastics laboratory exposure method for exposure to light sources - Part 2. Xenon arc lamps (ISO 4892-2.:2006, IDT) GB/T 16422.3-2014 Plastics laboratory - Test method for exposure of light sources - Part 3. Fluorescent ultraviolet lamps (ISO 4892-3.

2006, IDT)

GB/T 21714.1-2015 Lightning protection Part 1. General (IEC 62305-1.:2010, IDT) ISO 4892-4 Plastics laboratory light source exposure test method - Part 4. Open type carbon arc lamp (Plastics-Methods of exposure to laboratory light sources-Part 4.

Open-flame carbon arc lamps) ISO 6957. 1988 Copper alloy for stress corrosion cracking (Copper alloys-Ammonia test for stress corrosion resistance IEC 60060-1 High voltage test

technology - Part 1. General definition and test requirements
(High-voltage test techniques-Part 1. General definitions and test requirements) IEC 60529
enclosure protection class (IP code) [Degrees of protection provided by enclosures (IP Code)]
IEC 61000-6-4 Electromagnetic compatibility (EMC) - Part 6-4. Generic standard emission
in industrial environments [Electromagnetic compatibility (EMC) -Part 6-4.
Generic standards-Emission standard for industrial environments] IEC 61180-1 High voltage
test technology for low voltage electrical equipment - Part 1. Definitions and test
requirements (High-voltage test techniques for low-voltage equipment-Part 1. Definitions,
test and procedure requirements)

3 Terms and definitions

The following terms and definitions apply to this document.