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

GB/T 16915.7-2017

**Switches for household and similar fixed electrical installations
-- Part 2-6: Particular requirements for fireman switches for
exterior and interior signs and luminaires**

家用和类似用途固定式电气装置的开关 第2-6部分：外部或内部标识和照明用消防开关的特殊要求

(English Translation)

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Foreword

GB/T 16915 "Household and similar fixed electrical installations switch" is divided into the following sections.

- Part 1. General requirements;
- Part 2. Special requirements - Part 2-1. Particular requirements for electronic switches;
- Part 2-2. Particular requirements for electromagnetic remote control switches;
- Part 2-3. Delay switch special requirements;
- Part 2-4. Particular requirements for disconnectors;

Part 2-5 Switches and related accessories for residential and building electronic systems (HBES);

- Part 2-6. Particular requirements for fire protection switches for external or internal marking and lighting purposes.

This section GB/T 16915 Part 2-6.

This section drafted in accordance with GB/T 1.1-2009 given rules.

This section uses the redrafted law to amend the use of IEC 60669-2-6:2012 "Household and similar fixed electrical devices switch Part 2-6. Particular requirements for external or internal signs and lighting fire switches. " this part of IEC 60669-2-6:2012 technical differences and the reasons are as follows.

--- On the normative references, this section made a technical difference with the adjustment to adapt to China's technical conditions, adjust the situation Concentration reflected in the second chapter "Normative references", the specific adjustments are as follows.

- Added GB/T 2423.55-2006 Environmental Testing for Electrical and Electronic Products Part 2 according to the reference conditions Test Eh. Hammer test (IEC 60068-2-75:1997, IDT);
- According to the reference, an increase of GB/T 5465.2-2008 graphical symbols for electrical equipment Part 2. Graphical symbols (IEC 60417DB.2007, IDT);
- Switches using GB/T 16915.1-2014 household and similar fixed electrical installations Part 1. General requirements (IEC 60669-1:2007, MOD) instead of IEC 60669-1:1998 A1.1999 A2.2006;
- Added GB/T 16927.1-2011 high-voltage test technology Part 1 according to the reference conditions. General Definitions and Tests Requirements for inspection (IEC 60060-1:2006, MOD);

- With GB/T 20138-2006 electrical equipment enclosure external mechanical impact protection class (IK code) (IEC 62262.

2002, IDT) instead of IEC 62262.

This section made the following editorial changes.

--- According to the relevant provisions of GB/T 1.1, in Chapter 1, "Scope" added "GB/T 16915 provisions of this part of the external and internal Ministry of identification and lighting with the fire switch classification, marking, structural requirements, mechanical properties, electrical performance and other technical requirements";

--- 8.2 added the neon sign;

--- Remove some of IEC 60669-2-6:2012 applicable to other countries of the Notes, such as notes in Chapter 1 101,103,13.108

Note 101 and so on;

--- Because this part of the need to be used in conjunction with GB/T 16915.1-2014, according to GB/T 16915.1-2014 table number repair the serial numbers of the tables in this part have been changed accordingly. For example, Table 2 in 12.2.1 should be changed to Table 3 and Table 20 in Chapter 23 should be changed to Table 23.

This part is proposed by China Electrical Equipment Industry Association.

This part of the National Electrical Accessories Standardization Technical Committee (SAC/TC67) centralized.

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1 Scope

GB/T 16915.1-2014 This chapter applies as follows.

Paragraph 1 and paragraph 2 should read as follows.

GB/T 16915 provisions of this part of the external and internal signs and lighting fire switch classification, marking, structural requirements, mechanical can, electrical performance and other technical requirements.

This section applies to alternating current, rated voltage does not exceed 440V, rated

current does not exceed 125A, used to disconnect the external and internal identification and Lighting switches (eg, neon signs) for low voltage circuits.

Paragraph 7 and note 6 apply mutatis mutandis.

Meet the requirements of this section of the fire switch for the temperature range of -25 °C ~ 70 °C.

Note 101: The fire switch is designed for overvoltage category III and is used in an environment that meets GB/T 16935.1 Environmental Pollution Degree 2.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version applies to this article Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 16915.1-2014 Household and similar fixed electrical installations - Part 1. General requirements (IEC 60669-1:2007, MOD) This chapter applies mutatis mutandis.

increase.

GB/T 2423.55-2006 Environmental testing for electric and electronic products Part 2. Environmental test Eh. Hammer test (IEC 60068-2-75:1997, IDT) GB/T 5465.2-2008 Graphical symbols for electrical equipment - Part 2. Graphical symbols (IEC 60417DB.2007, IDT) GB/T 16927.1-2011 High voltage test techniques - Part 1. General definitions and test requirements (IEC 60060-1:2006, MOD) GB/T 20138-2006 Protection degree (IK code) of electrical equipment enclosure to external mechanical impact (IEC 62262:2002, IDT)

3 Terms and definitions

GB/T 16915.1-2014 defined and the following terms and definitions apply to this document.

3.101

Fire switch fireman'sswitch Switch for emergency disconnection of lighting.

4 General requirements

GB/T 16915.1-2014 of this chapter apply.