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

GB 16915.5-2012

**Switches for household and similar fixed electrical installations
-- Part 2-4: Particular requirements -- Isolating switches**

家用和类似用途固定式电气装置的开关 第2-4部分：隔离开关的特殊要求

(English Translation)

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Foreword

GB 16915 Chapter 10 of this section, Chapter 11, Chapter 16, Chapter 17, Chapter 18, 21.2, 23 chapters, 24 are mandatory, the rest it is recommended.

GB 16915 "Switches for household and similar fixed electrical installations" is divided into two parts.

--- Part 1. General requirements (GB 16915.1);

--- Part 2. Particular requirements (GB 16915.2 ~ GB 16915.5) - Part 2-1. Particular requirements for electronic switches (GB 16915.2);

- Part 2. Particular requirements - Section 2. remote control switch (GB 16915.3);

- Part 2. Particular requirements - Section 3. delay switch (GB 16915.4);

- Part 2-4. Particular requirements for isolating switches (GB 16915.5).

This is part of the GB Part 2-416915.

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

This section uses the translation method identical with IEC 60669-2-4:2004 (first edition) on "household and similar fixed electrical installations Off Part 2-4. Particular requirements for isolating switch. " Consistency correspondence between this part of international documents and normative references of the following documents.

--- GB 16915.1 Switches for household and similar fixed electrical installations - Part 1. General requirements (GB 16915.1-2003, IEC 60669-1:2000, MOD);

--- GB/T 17627.1-1998 part of high-voltage test techniques for low voltage equipment. definitions and test requirements (eqv IEC 1180-1:1992).

This part of IEC 60669-2-4:2004 made the following editorial changes.

--- According to GB/T 1.1 relevant provisions in Chapter 1, "scope" in the first line of supplements "This section provides solid household and similar purposes Fixed electrical installations disconnectors classification, terminals, structural requirements, mechanical properties, electrical properties technical requirements. "

--- According to GB/T 1.1 relevant provisions in Chapter 2, "Normative references" supplemented with IEC 60669-1 name.

This part is proposed by the China Electrical Equipment Industrial Association.

This part of the National Electric annex Standardization Technical Committee (SAC/TC67) centralized.

This section drafted by. China Electric Apparatus Research Institute Co., Ltd., Hangzhou Hongyan Electric Co., Ltd., based Electric (Shenzhen) Co., Secretary, Zhejiang Chint Building Appliance Co., Ltd., the Bulls Group Co., Clipsal Industries (Huizhou) Co., Ltd. Shenzhen Branch, Simon Electric (China) Limited, NVC Lighting Technology Co., Ltd., Beijing Branch of the Electronic Technology Co., Ltd. Bo can be.

1 Scope

IEC 60669-1 of this chapter for the following modifications apply.

Paragraph 1 is following elements instead.

This section provides for household and similar fixed electrical installations disconnectors classification, terminals, structural requirements, mechanical properties, electrical Technical performance requirements.

GB This section 16915 is suitable for indoor or outdoor use, rated voltage not exceeding 440V, rated current not exceeding 125A of General purpose isolation switches for household and similar fixed electrical installations manually.

Note: According to GB/T 16935.1 "insulation coordination within the low-pressure system equipment - Part 1. Principles, requirements and tests", isolating switches designed for overvoltage category III and pollution degree 2 environment.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

Switches Part 1 IEC 60669-1 for household and similar fixed electrical installations. General requirements (Switchesforhouse-After Generalrequirements) of this chapter for the following modifications. holdandsimilarfixed-electricalinstalations-Part 1 be applicable.

increase.

IEC 61180-1:1992 low-voltage high-voltage test techniques - Part electrical equipment. definitions and test requirements (High-voltage testtechniquesforlowvoltageequipment-Part 1. Definitions, testandprocedurerequirements)

3 Terms and Definitions

IEC 60669-1 increase of this chapter the following applies.

Increase definition.

3.101

Disconnector isolatingswitch the device is designed for electrical equipment or parts of the device and the power supply is isolated and connected, carry or cut off all current carrier phase pole switch.

3.102

Short Circuit conditionalshort-circuitcurrent Inc Switching without short-circuit protection and short circuit protection device is a suitable series (hereinafter referred to as SCPD) protection of workers in the use and provision of Under the conditions as to withstand the expected alternating current component values.

3.103

Joule integral value jouleintegral I^2t Square of the current in a given time points. $I^2t = \int_{t1}^{t2} i^2 dt$.

4 General requirements

IEC 60669-1 chapter apply.

5 General description of the test

IEC 60669-1 of this chapter for the following modifications apply.

5.4

Addition.

About 18.101 tests, three additional specimens.

6 RATINGS

IEC 60669-1 of this chapter for the following modifications apply.

6.2

changes are as follows.

In the first paragraph, delete the value "6A" and "10A", increase the value "80A, 100A and 125A" 1).

1) IEC description here adds two note.

101 Note. In the following countries, 13A are seen as preferred values. Denmark and the United Kingdom.

102 Note. In the UK, the rated current is less than 16A insulators allow widespread use. In the UK, the first part of this chapter apply.

Addition of provisions.

6.101 Limit short-circuit current (Inc) standard values and preferred values

Note: The power factor related provisions in the table 103.

6.101.1 Less than or equal to the value of 10000A

Limit short-circuit current (Inc) standard value.

1500A, 3000A, 4500A, 6000A and 10000A.