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

GB/T 16915.3-2019

**Switches for household and similar fixed-electrical installations
-- Part 2-2: Particular requirements for electromagnetic
remote-control switches (RCS)**

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5.4 After the last paragraph, add the following.	
6 Ratings	
6.1 Replaced by.	
6.2 After the last paragraph, add the following note.	
6.101 The preferred value of the rated control voltage is.	
7 Categories	
7.101 Classification by switch mechanism.	
7.102 Classification according to the type of control circuit excitation.	
8 signs	
8.1 After the second dash, add the following.	
8.2 Add the following symbols.	
8.4 Add the following after the last paragraph.	
8.6 After the last paragraph, add the following.	
8.7 This clause of GB/T 16915.1-2014 does not apply.	
9 Size check	
10 Protection against electric shock	
11 Grounding measures	
12 terminals	
13 Structural requirements	
15 Anti-aging, protection and moisture resistance provided by switch housing	
16 Insulation resistance and electrical strength	
16.2 Add the following to Table 15.	
101 between switch circuit and control circuit if they are electrically isolated	5.2000 3000
103 Between two SELV/PELV circuits	5 500 500
17 Temperature rise	
17.1 Add the following after the last paragraph.	

18 On-off capacity

18.1 After the last paragraph, add the following.

19 Normal operation

19.1 After the last paragraph, add the following.

3 times.

20 mechanical strength

21 heat resistant

22 Screws, current-carrying parts and connections

23 Creepage distance, electrical clearance, and distance through sealant

23.1 Add the following to Table 23.

Foreword

GB/T 16915 `` Switches for household and similar fixed electrical installations " is divided into the following sections.

--- Part 1. General requirements;

--- Part 2. Special requirements.

* Part 2-1. special requirements for electronic switches;

* Part 2-2. Special requirements for electromagnetic remote control switches (RCS);

* Part 2-3. special requirements for time delay switch (TDS);

* Part 2-4. special requirements for disconnectors;

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

* Part 2-6. Special requirements for external or internal identification and lighting fire switches.

This part is part 2-2 of GB/T 16915.

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

This section replaces GB/T 16915.3-2000 "Switches for household and similar fixed electrical installations. Part 2. Special requirements

Seeking Section 2. Remote Switch (RCS), compared with GB/T 16915.3-2000, the main technical changes are as follows.

--- Chapter 1 revised the corresponding description, added the content of energization to the RCS coil, and the RCS including only passive components

Regulations;

- Modified the definition of 3.101.2;
- Amended the 6.1 rated voltage preferred value;
- 6.101 increased the rated control DC voltage of 6V and 9V;
- 7.1.7 changed "plug-in RCS" to "removable remote control switch";
- Removed the design classification of 7.103 by switch;
- Deleted a symbol of "control mechanism" in 8.2, deleted "for vertical position", "for horizontal position" and "for
"Tilt position" symbol;
- Added to Table 15 (Table 13 in GB/T 16915.3-2000) "Between two SELV/PELV circuits";
- Table 23 (Table 19 in GB/T 16915.3-2000) added 101, 102;
- Increased the abnormal operation of the 101 control circuit.

This section uses the redrafting method to modify the use of IEC 60669-2-2..2006
"Switches for household and similar fixed electrical installations"

Part 2-2. Special requirements for electromagnetic remote control switches (RCS).

The technical differences between this part and IEC 60669-2-2..2006 and their causes are as follows.

--- Regarding the normative reference documents, this section has made adjustments with technical differences to adapt to China's technical conditions and the situation of adjustment.

The situation is reflected in Chapter 2 "Regulatory Reference Documents", and the specific adjustments are as follows.

- * Replaced IEC 60445..1999 with GB/T 4026 equivalent to the international standard;
- * Replaced IEC 60317 with GB/T 6109.1-2008 equivalent to the international standard;
- * Replaced IEC 60085..2004 with GB/T 11021 equivalent to the international standard;
- * Replaced IEC 60669-2-1..2002 with GB/T 16915.2 which adopted the international standard;
- * Replaced IEC 61558-2-6..1997 with GB/T 19212.7 equivalent to the international standard;
- * Added GB/T 16842-2016;
- * Removed IEC 61140.

The following editorial changes have been made in this section.

--- Amend the standard name to "Switches for household and similar fixed electrical installations-Part 2-2. Electromagnetic remote control switches

(RCS) Special Requirements;

--- According to GB/T 1.1-2009, in Chapter 1 "Scope", "GB/T 16915 stipulates that Control switch classification, marking, mechanical performance, electrical performance and other technical requirements. ";

--- According to the modification of the serial number of the table in GB/T 16915.1-2014, the serial number of the corresponding table is modified in this section, for example, 16.2 Table 15, Table 23 of 23.1;

--- According to the situation of the cited documents, references have been added.

This section is proposed by China Electrical Equipment Industry Association.

This section is under the jurisdiction of the National Electrical Accessories Standardization Technical Committee (SAC/TC67).

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1 Scope

This chapter of GB/T 16915.1-2014 is applicable with the following modifications.

Instead of the first sentence.

This part of GB/T 16915 specifies the technical requirements for the classification, marking, mechanical properties and electrical properties of electromagnetic remote control switches.

This section applies to indoor or outdoor use, the rated voltage does not exceed 440V, the