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

GB 16917.21-2008

Replacing GB 16917.21-1997

**Residual current operated circuit-breakers with integral overcurrent protection
for household and similar uses (RCBO) -- Part 21: Applicability of the general
rules to RCBO functionally independent of line voltage**

家用和类似用途的带过电流保护的剩余电流动作断路器（RCBO）第21部分：一
般规则对动作功能与电源电压无关的RCBO的适用性

(English Translation)

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Table of Contents

Foreword	
Introduction	
1 Scope	
2 Normative references	
3 Terms and Definitions	
6 Logos and other product data	
8 Structure and operating requirements	
9 Test	

Foreword

All technical content in this section is mandatory.

GB 16917 "household and similar uses overcurrent protection for residual current operated circuit breaker (RCBO)" into the following sections.

--- Part 1. General rules;

--- Part 21. General rules for the operation of the functions independent of line voltage RCBO the applicability;

--- Part 22. General rules for the operation of the function and line voltage RCBO applicability.

This section GB Part of 2,116,917.

This section identical with IEC 61009-2-1:1991 "household and similar uses overcurrent protection for residual current operated circuit breaker (RCBO) Part 2.1. General rules for the operation of the functions independent of line voltage RCBO the applicability. " it should be used and GB 16917.1-2003 "with this household and similar uses overcurrent protection for residual current operated circuit breaker (RCBO) - Part 1. General rules "together.

This Part replaces GB 16917.21-1997, the main difference between this part and GB 16917.21-1997 follows.

--- The whole standard "line voltage" to "supply voltage";

--- Chapter 6 "o) Item" to "n) term." this part is proposed by the China Electrical Equipment Industrial Association.

The low-voltage electrical part by the National Standardization Technical Committee

(SAC/TC189) centralized.

This section is responsible for drafting unit. Shanghai Electrical Apparatus Research Institute (Group) Co., Ltd.

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Introduction

Part of GB 2116917 (ie GB 16917.21) is the corresponding provisions of Part 1 (ie GB 16917.1) supplement or repair to change, to accommodate motor function independent of supply voltage of the RCBO.

GB 16917.21-2008/IEC 61009-2-1:1991 Household and similar uses overcurrent protection Residual current operated circuit breaker (RCBO) Part 21. General rules for the operation of the function Adequate power supply voltage independent of the RCBO

1 Scope

Except for the following modifications, Part 1 applies.

Instead of the first paragraph with the following.

This section applies to AC 50Hz or 60Hz, rated voltage not exceeding 440V, rated current not exceeding 125A, Rated short-circuit capacity with no more than 25000A function and operation independent of line voltage for household and similar uses overcurrent protection for residual current operated circuit breaker Unit (RCBO).

2 Normative references

The following documents contain provisions which, through reference in this section GB 16917, constitute provisions of this part. For dated reference documents Member, all subsequent amendments (not including errata content) or revisions do not apply to this section, however, encouraged to reach under this section Parties to research agreement to use the latest versions of these documents. For undated reference documents, the latest versions apply to this section.

Part 1 of this clause apply.

3 Terms and Definitions

In addition to defining 3.3.9,3.4.23,3.4.23.1 and 3.4.23.2 do not apply, the provisions of Part 1 applies.

Category 4

In addition to 4.1.2, Part 1 provisions apply.

Characteristics of 5 RCBO Except for the last two lines of 5.1 is not applicable, the provisions of Part 1 applies.

6 Logos and other product data

In addition to n) shall not apply, the provisions of Part 1 applies.

7 and the standard conditions of installation Part 1 provisions apply.

8 Structure and operating requirements

In addition to 8.12 NA, the provisions of Part 1 applies.

9 Test

In addition to the following, in part 1 of this clause apply.

GB 16917.21-2008/IEC 61009-2-1:1991 9.1.1 in Table 10, line 15 (about 9.17 Test) Not applicable.

9.7.4

Note 3 does not apply.

9.9.1.5

Not applicable.

Finally, the last paragraph of Sec 9.12.2 and 9.12.13.2 not apply.

9.17

Not applicable.

Last paragraph 9.18 do not apply.

Part 1 would apply.

appendix

In addition to Appendix A, Table A. 1 in terms of "9.17 Operating Condition Supply voltage fault" (on the test sequence D1) does not apply, and enclosure IB recorded the last two symbols NA, the other content of the first section of the appendix apply.

GB 16917.21-2008/IEC 61009-2-1:1991