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

GB 16916.21-2008

Replacing GB 16916.21-1997

**Residual current operated circuit-breakers without integral overcurrent
protection for household and similar uses (RCCB) -- Part 21: Applicability of the
general rules to RCCB functionally independent of line voltage**

家用和类似用途的不带过电流保护的剩余电流动作断路器（RCCB）第21部分：
一般规则对动作功能与电源电压无关的RCCB的适用性

(English Translation)

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Foreword

All technical content in this section is mandatory.

GB 16916 "Household and similar uses overcurrent protection for residual current operated circuit breaker (RCCB)" divided into the following section.

--- Part 1. General rules;

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

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

This section GB Part of 2,116,916.

This section identical with IEC 61008-2-1:1990 "Household and similar uses overcurrent protection for residual current operated circuit breaker (RCCB) - Part 2.1. General rules for the operation of the functions independent of line voltage RCCB applicability. " this section should be used and GB 16916.1-2003 "household and similar purposes without overcurrent protection RCBO (RCCB) - Part 1. General rules "together.

This Part replaces GB 16916.21-1997, the main difference between this part and GB 16916.21-1997 follows.

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

--- Chapter 6 "n) item" to "m) item";

--- The "9.11.2.1a) the last two" to "9.11.2.1a) last paragraph." 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.

Participated in the drafting of this section. Schneider Electric (China) Investment Co., Ltd.

Introduction

Part of GB 2116916 (ie GB 16916.21) is the corresponding provisions of Part 1 (ie GB 16916.1) supplement or repair to change, to accommodate motor function independent of supply voltage of the RCCB.

GB 16916.21-2008/IEC 61008-2-1:1990 Household and similar purposes without overcurrent protection Residual current operated circuit breaker (RCCB) Part 21. General rules for the operation of the function Applicability of the power supply voltage independent RCCB

1 Scope

Except for the following modifications, Part 1 applies.

Instead of the first paragraph with the following.

The operation of this section applicable to the exchange rated voltage not exceeding 440V, rated current not exceeding 125A is mainly used for protection against electric shock Function independent of the supply voltage for household and similar uses overcurrent protection for residual current operated circuit breaker (RCCB).

2 Normative references

The following documents contain provisions which, through reference in this Part of GB 16916, 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 Part 1 of 3.3.5,3.4.10 NA, the other are applicable.

Category 4

In addition to 4.1.2, Part 1 provisions apply.

5 RCCB features

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

6 Logos and other product data

Apart) m NA item, the Part 1 provisions apply.

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.

9.1.1

in Table 7, line 15 (about 9.17 Test) Not applicable.

GB 16916.21-2008/IEC 61008-2-1:1990

9.7.4

Note 3 does not apply.

9.9.5

Not applicable.

9.11.2.1a) last paragraph and i) the last paragraph does not apply.

9.17

Not applicable.

Last paragraph 9.18.1 and 9.18.2 do not apply.

Part 1 would apply.

appendix

In addition to Appendix A, Table A. 1 in terms of "working conditions 9.17 supply voltage

fault" (test sequences D.1) NA and Annex IB the last two symbols NA, the other contents of the first section of the appendix apply.

GB 16916.21-2008/IEC 61008-2-1:1990