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

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**Electromechanical telecom elementary relays of assessed
quality - Part 1: Generic specification and blank detail
specification**

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foreword

This document is in accordance with the provisions of GB/T 1:1-2020 "Guidelines for Standardization Work Part 1: Structure and Drafting Rules for Standardization Documents"

drafting:

This document is Part 1 of GB/T 16608 "Basic Electromechanical Relays for Telecommunications with Quality Assessment": GB/T 16608 has issued

Published the following sections:

--- Part 1: General specification and blank detail specification:

This document replaces GB/T 16608:1-2003 "Electromechanical relays with or without foundation with quality assessment - Part 1: General specification",

GB/T 16608:50-2012 "with or without electrical relays - Part 50: sub-standard for telecommunications with or without quality assessment of electrical relays

Electrical appliances", GB/T 16608:51-2012 "With or without electrical relays Part 51: Blank detailed specification for telecommunications with quality assessment

Non-standard types and structures of electromechanical relays with or without electromechanical relays", GB/T 16608:52-2012 " electromechanical relays with or without electromechanical relays - Part 52: Empty

White detailed specification for quality-assessed electrical relays with or without two sets of changeover contacts for telecommunications, 20mmx10mm base",

GB/T 16608:53-2012 "With or without electrical relays - Part 53: Blank detailed specification for telecommunications with or without quality assessment

Two sets of changeover contacts for electromechanical relays, 14mmx9mm base", GB/T

16608:54-2012 "With or without electromechanical relays No: 54

Part: Blank detailed specification for quality-assessed electrical relays with or without two sets of changeover contacts for telecommunications, 15mm x 7.5mm base

"Relay", GB/T 16608:55-2012 "With or without electrical relay - Part 55: Blank detailed specification for telecommunications with quality assessment

Or two sets of changeover contacts for inorganic electrical relays, 11 mm x 7.5 mm (maximum) base", and GB/T 16608:1-2003,

Compared with GB/T 16608:50~16608:55-2012, except for structural adjustment and editorial changes, the main technical changes are as follows:

--- Changed the scope of application (see Chapter 1, Chapter 1 of GB/T 16608:1-2003):

This document identically adopts IEC 61811-1:2015 "Basic electromechanical relays for telecommunications with quality assessment - Part 1: General specification and space White Detailed Specification":

The following editorial changes have been made to this document:

--- Changed the list of normative references in Chapter 2;

--- 4:8 added note;

---Corrected the unnumbered error of the formula in A:7:4 of IEC 61811-1:2015, and increased the formula number (A:2);

---Corrected the name error in Figure A:1 in IEC 61811-1:2015, by "Weibull Bayesian of new compressor design and old design

Line Contrast" was corrected to "Weibull Bayes Line Contrast of New vs: Old Relay Design";

--- Corrected the nature of Appendix B and Appendix C according to the reference in the text;

---Corrected the error in B:1 in IEC 61811-1:2015, from "dielectric withstand voltage: see Table B:2" to "impulse test voltage: see

Table B:2";

---Corrected the error in the test number A0-1 "coil resistance" of Table C:1 of IEC 61811-1:2015, by "value according to Table B:2

"Regulations" is corrected to "the values are in accordance with the provisions of Table B:3";

---Corrected the error in the test number 11 "Solderability (D)" of Table C:1 of IEC

61811-1:2015, changed from "value according to the specifications in Table B:5

"Setting" is corrected to "the value is in accordance with the provisions of Table B:1";

---Corrected the error in Table C:1 Test No: 12 "Electrical Durability, Cable Load (D)" of IEC 61811-1:2015:

The provisions of B:4 in GB/T 21711:7-2018" were corrected to "according to the provisions of C:4 in GB/T 21711:7-2018";

---Corrected the error in the test number 38 "Soldering heat resistance (D)" of Table C:1 of IEC 61811-1:2015, from "Through-hole type:

4:25:3, Test 2" was corrected to "through-hole type: 4:25:2, Test 2";

--- Corrected errors in Table C:2 and Table C:3 of IEC 61811-1:2015 in the test item "Electrical Durability", GB/T 21711:7-

There is no "method 1" in 4:30 of:2018, and it is changed from "method 1" to "method 1 (severity level A)":

Please note that some contents of this document may refer to patents: The issuing agency of this document assumes no responsibility for identifying patents:

Introduction

In order to standardize the quality evaluation of basic electromechanical relays for telecommunications in my country, guide the formulation of product standards for enterprises, and promote product development and production

GB/T 16608 aims to establish general specifications and blank detailed specifications applicable to basic electromechanical relays for telecommunications, and to provide industrial

and other equipment with relays for reference:

GB/T 16608 is proposed to be divided into the following parts:

--- Part 1: General specification and blank detail specification: The purpose is to establish suitable for telecommunications equipment, industrial equipment and other equipment relay

General specification for electrical appliances and for use in detailed specifications developed in accordance with this document:

--- Part 2: sub-standard: The purpose is to establish sectional specifications applicable to basic electromechanical relays for specific applications:

Basic electromechanical relays for telecommunications with qualification

Part 1: General specification and blank detail specification

1 Scope

This document applies to basic electromechanical relays for telecommunications: Relays conforming to this document are suitable for use in telecommunication equipment, but as a basic

Basic electromechanical relays are also suitable for use in specific industrial and other equipment:

This document selects the appropriate test methods from IEC 61810 (all parts) and other documents for the detailed specification developed in accordance with this document

use: Basic inspection tables are also specified in this document, applicable to detail specifications developed in accordance with this document:

Detailed inspection tables are specified in the detail specification:

2 Normative references

The contents of the following documents constitute the essential provisions of this document through normative references in the text: Among them, dated references

For documents, only the version corresponding to the date is applicable to this document; for undated reference documents, the latest version (including all amendments) is applicable to

this document:

GB/T 2423:23-2013 Environmental testing Part 2: Test method Test Q: Sealing (IEC 60068-2-17:1994,

IDT)

GB/T 2691-2016 Marking codes for resistors and capacitors (IEC 60062:2004, IDT)

GB/T 21711:7-2018 Basic electromechanical relays Part 7: Test and measurement procedures (IEC 61810-7:2006, IDT)

Note: GB/T 2828 (all parts) counting sampling inspection procedures [ISO 2859 (all parts)] and guidance)

Note: GB/T 2423:1-2008 Environmental testing for electric and electronic products Part 2: Test method Test A: Low temperature (IEC 60068-2-1:2007, IDT)

IEC 60068-2-20:2008 Environmental testing Part 2-20: Test method Test T: Solderability and reliability of terminal components

Note: GB/T 2423:28-2005 Environmental testing for electric and electronic products Part 2: Test method Test T: Soldering (IEC 60068-2-20:1979,