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

(English Translation)

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Appendix A (Informative) Relay Reliability---Failure Rate Data

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A:3 Relay description

A:4 Failure and failure rate data

A:5 Data sources

A:6 Weibull method

A:7 Weibull Bayesian method

Appendix B (Normative) Relay Characteristics

B:1 General parameters

B:2 Coil parameters

B:3 Contact parameters

B:4 Installation

B:5 Environmental parameters

B:6 Packaging of automatic operation relays (when applicable)

Appendix C (Normative) Blank detail specification and detail specification

C:1 Home page example

C:2 Accreditation approval process

C:3 Quality Consistency Inspection

C:4 Composition of inspection lot

Appendix D (Informative) Grouping Definitions

Reference

Figure A:1 Comparison of Weibull Bayesian lines for new and old relay designs

Table B:1 dielectric withstand voltage test voltage

Table B:2 Impulse test voltage

Table B:3 Coil parameters

Table B:4 Electrical durability test and overload test load, contact circuit resistance limit value, number of cycles and cycle rate

Table C:1 Quality Consistency Inspection

Table C:2 Qualification Approval Inspection

Table C:3 Industrial application qualification

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: