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GB/T 17215.221-2021

Electricity metering equipment(a. c.) - General requirements, tests and test conditions - Part 21: Tariff and load control equipment

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Foreword

GB/T 17215 "Electrical measuring equipment (AC)" is divided into several parts, GB/T 17215.2 "Electrical measuring equipment (AC) general requirements,

The test and test conditions are composed of the following parts.

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---Part 11.Measuring equipment;

---Part 21.Rates and load control equipment;

---Part 31.Product safety requirements and tests.

This part is Part 21 of GB/T 17215.2.

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

This part uses the redrafting method to amend and adopt IEC 62052-21.2016 ``General requirements, tests and tests for electrical measuring equipment (AC)

Conditions Part 21.Rates and Load Control Equipment.

The technical differences between this part and IEC 62052-21.2016 and the reasons are as follows.

---Regarding normative reference documents, this section has made adjustments with technical differences to adapt to my country's technical conditions and adjustments.

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

* Replace IEC 60068-2-1.1990 with GB/T 2423.1-2008 which is equivalent to adopting international standards;

* Replace IEC 60068-2-2.1974 with GB/T 2423.2-2008 which is equivalent to adopting international standards;

* Replace IEC 60068-2-30.1980 with GB/T 2423.4-2008 which is equivalent to adopting international standards;

* Replace IEC 60068-2-27.1987 with GB/T 2423.5-2019, which is equivalent to adopting international standards;

* Replace IEC 60068-2-6.1995 with GB/T 2423.10-2019 which is equivalent to adopting international standards;

* Replace CISPR22.1997 with GB/T 9254-2008 which is equivalent to adopting international standards;

* Replace IEC 61000-4-2.1995 with GB/T 17626.2-2018 which is equivalent to adopting international standards;

* Replace IEC 61000-4-3.2002 with GB/T 17626.3-2016 which is equivalent to adopting international standards;

* Replace IEC 61000-4-4.1995 with GB/T 17626.4-2018 which is equivalent to adopting international standards;

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* Replace IEC 61000-4-6.1996 with GB/T 17626.6-2017, which is equivalent to adopting international standards;

* Replace IEC 60721-3-3.1994 with IEC 60721-3-3.2019;

* Use IEC 61000-4-5.2017 instead of IEC 61000-4-5.1995.

This section has made the following editorial changes.

---Deleted the note on Chapter 2 of IEC 62052-21.2016; Adjusted international documents not cited in the main text from Chapter 2 to reference

literature;

---Terms and definitions section, the auxiliary information of 3.2.5, 3.4.5.1, 3.5.6 and 3.5.7 of IEC 62052-21.2016 is revised to note;

---Terms and definitions section, citing the definitions of terms derived from IEC 62052-31.2015;

---Added "Appendix A", "Appendix D", "Appendix E" and "Appendix F" related quotes.

Introduction

This part is used together with the relevant parts of the following series of standards for electrical measuring equipment.

---GB/T 17215.421-2008 AC measurement rate and load control Part 21.Special requirements for time switches;

---GB/T 17215.911-2012 Dependability of electrical measuring equipment Part 11.General concepts;

---GB/T 17215.921-2012 Electrical measurement equipment credibility Part 21.Field instrument credibility data collection;

---GB/T 17215.9311-2017 Dependability of electrical measuring equipment Part 311.Temperature and humidity accelerated reliability test;

---GB/T 17215.9321-2016 Dependability of electrical measuring equipment Part 321.Durability-Stable measurement characteristics at high temperature

Sex test;

---GB/T 17215.941-2012 Dependability of electrical measuring equipment Part 41.Reliability prediction;

---IEC 62052-31.2015 Electrical measuring equipment (AC) General requirements test and test conditions Part 31.Product safety

Full requirements and tests;

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