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

GB/T 17215.352-2009

Replacing GB/T 17441-1998

**Electricity metering equipment (AC) -- Particular requirements --
Part 52: Symbols**

交流电测量设备 特殊要求 第52部分：符号

(English Translation)

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Appendix A (normative) communication port symbol

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Table A. Communication port symbol (example)

Foreword

GB/T 17215 series of standards is made up of several-part, GB/T 17215 in the "AC measuring equipment - Specific requirements" by the the following components.

- Part 11. Electromechanical meters for active energy (0.5, 1 and Level 2) (GB/T 17215.311)
- Part 12. Mechanical reactive energy (classes 2 and 3) (GB/T 17215.312)
- Part 21. Static meters for active energy (classes 1 and 2) (GB/T 17215.321)
- Part 22. Static meters for active energy (0.2S and 0.5S grade level) (GB/T 17215.322)
- Part 23. Static reactive energy (classes 2 and 3) (GB/T 17215.323)
- Part 24. Static Apparent energy meter (1 and 2) (GB/T 17215.324)
- Part 31. Electromechanical and electronic meter pulse output means (stage 2) (GB/T 17215.331)

- Part 35. Energy consumption and demand telemetry (GB/T 17215.335)
- Part 41. Electromechanical maximum demand indicator (1.0) (GB/T 17215.341)
- Part 42. Multi-tariff and maximum demand of counters and (GB/T 17215.342)
- Part 51. tariff device auxiliary terminal flag (GB/T 17215.351)
- Part 52. Symbols (GB/T 17215.352)
- Part 61. Power consumption and voltage requirements (GB/T 17215.361) this section GB/T Part of 5,217,215.

This section identical with IEC 62053-52:2005 "AC measuring equipment - Specific requirements - Part 52. Symbols." for ease of use, this section made the following editorial changes.

- a) with a decimal point '. 'Instead of a comma as the decimal point,' ';
- b) Remove the preface to the international standards.

This Part replaces GB/T 17441-1998 "AC power meter mark." this section compared with the GB/T 17441-1998, the main changes are as follows.

- This section follow GB/T 1.1-2000 requirements in the preparation of the format;
- This part of the name changed to "AC measuring equipment - Specific requirements - Part 52. Symbols";
- Remove the 11 terms and definitions. inductive meter, static meter, watt-hour meter, reactive power meter, Apparent power Degree table, multi-rate meter, maximum demand meter, memory, display, counters and constant;
- Fitted with an increase of 8.5 meter and a half of the primary energy meter (nominal value of the primary current can be changed) in Table 5;
- In Table 6, an increase of 9.11;
- Remove Appendix B;
- Increased by reference.
- Increased introduction, to facilitate users to understand the GB/T 17215 standard corresponding international standard IEC 62051 ~ IEC 62059 standard Registration system and numbering.

This section of Appendix A normative appendix.

This part is proposed by China Machinery Industry Federation.

This part of the National Electrical Instrument Standardization Technical Committee (SAC/TC104) centralized.

This section is drafted. Harbin Electrical Instrument Research Institute, Shanghai EF Electronics Technology Co., Ltd., Zhejiang Chint Instrument Co.

GB/T 17215.352-2009/IEC 62053-52:2005 Ltd., Solarfun Electronics Co., Ltd., Changsha Weisheng Electronics Co., Ltd., Shenzhen Clou Electronics Co., Ltd., Hangzhou PAX Electronic Technology Limited.

Introduction

GB/T 17215 series of standards adopted basic IEC/T C13 international standard "energy measurement and load control equipment". Our reference IEC/T C13 standard structure developed with the corresponding energy measurement and load control standard system. After adjustment of IEC/T C13 standard Registration system will be based on their different categories, different objects and common technical requirements and particularity were incorporated into IEC 62051 ~ IEC 62059 total

9 Subdivision.

IEC 62051 electrical measurement terms IEC 62052 General requirements AC measuring equipment IEC 62053 AC measuring equipment - Specific requirements IEC 62054 AC measurement equipment tariff and load control - Particular requirements IEC 62055 electrical measuring payment vending system IEC 62056 electrical measuring meter reading, tariff and load control of data exchange IEC 62057 electrical measurement test equipment IEC 62058 AC measuring equipment acceptance testing IEC 62059 AC measuring equipment credibility IEC 62053 AC measuring equipment - Specific requirements.

Of the series of international standards into national standards numbering principles and methods of the process of national standards identified in the followings.

The total number IEC/T C13 "energy measurement and load control equipment" corresponds to our standards. GB/T 17215. Each sub-section number Do as follows.

IEC 62051 "Electrical measuring term" corresponds to GB/T 17215.1XX ("1" represents IEC 62051, "XX" denotes the parts) IEC 62052 "General requirements AC measuring equipment" (GB/T 17215.2XX, "2" represents IEC 62052, "XX" represents the first of several section) IEC 62053 "AC measuring equipment - Specific requirements" (GB/T 17215.3XX, "3" represents IEC 62053, "XX" represents the first of several section) IEC 62054 "AC measuring equipment tariff and load control - Particular requirements" (GB/T 17215.4XX, "4" expressed IEC 62054, "XX" denotes the parts) IEC 62055 "Electrical measuring payment vending system" (GB/T 17215.5XX, "5" indicates IEC 62055, "XX" represents the first of several portions Minute) IEC 62056 "Electrical measuring meter reading, tariff and load control data exchange" (GB/T 17215.6XX, "6" represents IEC 62056, "XX" denotes the parts) IEC 62057 "Electrical Measurement Test Equipment" (GB/T 17215.7XX, "7" represents IEC 62057, "XX" denotes the parts) IEC 62058 "AC measuring

equipment acceptance test" (GB/T 17215.8XX, "8" represents IEC 62058, "XX" represents the first of several section) IEC 62059 "AC measuring equipment credibility" (GB/T 17215.9XX, "9" represents IEC 62059, "XX" represents the first of several section) GB/T 17215 series of standards has been released in eight sections.

GB/T 17215.211-2006 AC measuring equipment General requirements, tests and test conditions Part 11. measuring equipment (IEC 62052-11:2003, IDT) GB/T 17215.301-2007-Meter special requirements GB/T 17215.311-2008 AC measuring equipment - Specific requirements - Part 11. Electromechanical meters for active energy (0.5, 1 and GB/T 17215.352-2009/IEC 62053-52:2005 Level 2) (IEC 62053-11:2003, MOD) GB/T 17215.321-2008 AC measuring equipment - Specific requirements - Part 21. Static meters for active energy (1 and 2) (IEC 62053-21:2003, IDT) GB/T 17215.322-2008 AC measuring equipment - Specific requirements Part 22. Static meters for active energy (0.2S level and 0.5S level) (IEC 62053-22:2003, IDT) GB/T 17215.323-2008 AC measuring equipment - Specific requirements - Part 23. Static reactive power meter (level 2 and Level 3) (IEC 62053-23:2003, IDT) GB/T 17215.352-2009 AC measuring equipment - Specific requirements Part 52. Symbols (IEC 62053-52:2005, IDT) GB/T 17215.421-2008 AC measurement equipment tariff and load control Part 21. Particular requirements for time switches (IEC 62054-21:2004, IDT) GB/T 17215.352-2009/IEC 62053-52:2005 AC measuring equipment - Specific requirements Part 52. Symbols

1 Scope

GB/T 17215 provisions of this part of the mark and identification electromechanical or static AC power meter and attachments used in the text and Graphic symbols for marking and identification of electromechanical or static AC power meter and its attachments.

Symbols specified in this part shall be marked on the nameplate or accessory, dials, external label, or in an appropriate manner to display in the instrument was Shown on.

2 Normative references

The following documents contain provisions which, through reference GB/T 17215 in this section constitute provisions of this section. 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.

GB/T 5465.2-2008 Graphical symbols for electrical equipment - Part 2. Graphical symbols (IEC 60417DB.2007, IDT) GB/T 17215.211-2006 AC measuring equipment General requirements, tests and test conditions Part 11. measuring equipment (IEC 62052-11:2003, IDT) IEC 60211 1.0 Ji maximum demand indicator