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Space and fixing dimensions for electricity energy meter

电能表外形和安装尺寸

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1 Scope

This guiding technical document specifies the fixing dimensions and the space dimensions of alternating-current electricity meters, together with the main dimensions of the wiring terminals and of the spacing between them. This guiding technical document applies to alternating-current electricity meters with bottom-entry and bottom-exit wiring, installed and used in networks of reference frequency 50 Hz (60 Hz). For meters with other wiring arrangements this guiding technical document may be used for reference.

This guidance document specifies the fixed installation dimensions and dimensions of the AC energy meter, as well as the main between the terminals and the terminals. size. This guidance document applies to the installation and use of wiring in a grid with a reference frequency of

60 Hz). AC energy meter. For the use of other wiring methods, refer to the use of this guidance.

2 Normative references

The terms of the following documents are incorporated into the terms of this guidance document by reference to this guidance. Any dated Reference documents, all subsequent amendments (not including errata content) or revisions do not apply to this guidance technical document, however, drums The parties that have reached an agreement under this guidance document will investigate whether the latest versions of these documents are available. Any undated reference The latest version of the document applies to this guidance document.

GB/T 321 priority number and priority number system (GB/T 321-2005, ISO 3.1973, IDT)

GB/T 15283 0.5, 1 and 2 AC active energy meters (GB/T 15283-1994, idt IEC 62051. 1988)

GB/T 15284-2002 Special requirements for multi-rate electric energy meters

GB/T 17215 Class 1 and Class

3 Terms and definitions

GB/T 17215.211-2006, GB/T 15283, GB/T 15284, GB/T 17215, GB/T 17882 established and the following Terms and definitions apply to this guidance document.

3.1 The maximum size that can be reached by the overall height (A), width (B), and thickness (C) of the energy meter.

Note. These dimensions do not include the exposed hooks of the case and the extreme dimensions of the fixed climb.

3.2 The size used to fix the position of the energy meter.

4 Requirements

1 Appendix A (informative) The size of the electric energy meter is preferably 6 GB /Z21192-2007

The development of this guidance technical document refers to some foreign standards, such as BS7856..1996 "Class 1 and 2 AC active energy meter design" Practical Specification, DIN43857-1978 "Main Size of Electromechanical Energy Meter", JISC1211 "Direct Access Energy Meter", JISC1216 "Electric Energy Meter Working with Transformers", etc. Appendix A of this guidance document is an informative annex. This guidance technical document was proposed by the China Machinery Industry Federation. This guiding technical document is under the jurisdiction of the National Electrotechnical Instrumentation Standardization Technical Committee. This guiding technical document drafting unit. Harbin Electric Instrument Research Institute, Huali Instrument Group Co.,

Ltd., State Grid Corporation, China Southern Power Grid Corporation, Hunan Power Company, Henan Power Company, Zhejiang Electric Power Test Institute, Gansu Electric Power Company, Fujian Provincial Electric Power Research Institute, Shanghai Electric Power Company Power Meter Measurement and Management Institute, Tianjin New Jusheng Electronics Co., Ltd., Zhejiang Zhengtai Instrument Table limited liability company, Hangzhou Hualong Electronic Technology Co., Ltd., Ningbo Samsung Technology Co., Ltd., Shenzhen Hao Ningda Power Meter Manufacturing Co., Ltd. Company, Cixi Sanchao Power Meter Factory, Harbin Electric Meter Instrument Factory Co., Ltd., Siping City Double Happiness Technology Co., Ltd. The main drafters of this guiding technical document. Wang Zhaohong, Chen Xiangqun, Zhong Zuan, Zhao Wei, Xu Heping, Wang Yanbo, Lin Dehao, Du Xingang, Lu Xingyuan, Li Xueyong, Liu Xing, Xu Maolin, Xia Yali, Liu Dexin, Su You, Xiao Xiaoqing, Xu Renheng, Liu Xiancheng, Li Xisheng. This guidance document is the first release. GB /Z21192-2007 Electric meter shape and installation size