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

GB/T 22764.3-2008

**Cabinets for low-voltage switchgear - Part 3: Environment and
climate**

低压机柜 第3部分：环境与气候

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Table of Contents

- 1 Scope
- 2 Normative references
- 3.1.1 General provisions Meet

Foreword

GB/T 22764 "Low Voltage Cabinet" is divided into five sections.

- Part 1. Generic specification;
- Part 2. Dimensions Series;
- Part 3. environment and climate;
- Part 4. Electrical safety requirements;
- Part 5. Basic test methods. This section GB/T 22764 Part 3. This section should be used with other portions. This part of the electrical and electronic equipment by the National Standardization Technical Committee integrated structure (SAC/TC34) and focal points. This section is responsible for drafting unit. million-controlled Group Co., Ltd., Zhangjiagang City Tianyi Electric Co., Ltd. Complete structure. Participated in the drafting of this section. Wuhan-source structure Electric Co., Zhangjiagang City days more Electric Co., Ltd., Tianjin original cabinet has Limited, the Hong Kong cabinet Jiangsu days Ltd., Jiangsu Tianxiang Electric Co., Ltd., China Zhenhong Electric Co., Ltd. Cixi Qi State Electric Co. Division, Wenzhou City Electric Co., locks and Italy. The main drafters of this section. high Zhong Xi Luo Xuecheng. The drafters of some of the participants. Songzong Xiang, Zhao Jianming, with Shen Zhang, Tang Zhijian, Zhong Jie, Wu Chun Lin, Jiang Guoqing, Pan Zhengdong. Low-voltage cabinets - Part 3. Environment and Climate

1 Scope

GB/T 22764.3-2008 is the Chinese national standard on cabinets for low-voltage switchgear - part 3: environment and climate, in the field of electronics. The /T suffix marks it as a recommended standard: it is not compulsory by itself, but it becomes binding as soon as a contract, a tender or a customer specification calls it up - which in practice is how most foreign buyers meet it. It was issued on 30 December 2008 by the General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China; Standardization Administration of China, and has been in force since 1 October 2009. Classification: ICS 31.240, CCS K05. This page is published from the official record of the standard held by the Chinese standards administration: the identification, the dates, the

classification and the issuing body are taken from there. The clause text, the tables and the numeric limits are in the document itself, which is delivered complete in English translation.

This section provides the normal low pressure cabinet, installation and transport conditions and climate division. This section applies to low-voltage cabinet (hereinafter referred to as the product).

2 Normative references

The following documents contain provisions which, through reference

GB/T 22764 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 22764.4 low-voltage cabinet Part 4. Electrical safety requirements 3 normal use, installation, transportation and storage conditions

3.1 normal conditions of use

3.1.1 General provisions Meet

GB/T 22764.4 specified product should be able to run under the following conditions. Non-standard conditions by manufacturers and users to determine the agreement, but these agreements can not be specified and GB/T 22764.4 contrary.

3.1.2 ambient air temperature Maximum ambient air temperature should not exceed + 40 °C, and its average temperature within 24h shall not exceed + 35 °C. Ambient air temperature limit shall not be less than -5 °C. NOTE. For use in the ambient air temperature is higher than + 40 °C (for example in the forging workshop, boiler room, in tropical regions) or below -5 °C (for example, -25 °C), should root According to the relevant product standard (if applicable) or designed and used according to the manufacturer and user agreement. Manufacturer information given by suppliers (such as samples) Data can replace the agreement.

3.1.3 Altitude The installation site altitude shall not exceed 2000m. NOTE. For altitudes above 2000m for the product, we need to take into account the air cooling effect. Under the conditions described above for the product should be run according to the manufacturer, and User agreement designed or used.

3.1.4 Humidity The maximum temperature is + 40 °C, the relative humidity of air no more than 50% at a lower temperature allows a higher relative humidity, For example, 90% at 20 °C. Due to condensation temperature to produce the occasional special measures should be taken.

3.2 Installation Products should be the manufacturer's installation instructions.

3.3 Transport and storage conditions If the product transport and storage conditions, such as temperature and humidity, unlike the conditions specified in 3.1, manufacturers and users should reach a Special agreement. Unless otherwise specified, the following applies to transport and storage temperature range. $-25\text{ }^{\circ}\text{C} \sim +55\text{ }^{\circ}\text{C}$, short time (24h within) can Up to $+70\text{ }^{\circ}\text{C}$.

4 climate divide

4.1 General When the climate impact of the use of the product significantly during this chapter apply.