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FZ

**TEXTILE INDUSTRY STANDARD OF THE
PEOPLE'S REPUBLIC OF CHINA**

FZ/T 99014-2014

Replacing FZ/T 99014-1995

**Electrical equipment of textile machinery. General technical
requirements
(English Translation)**

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Foreword

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

Instead of the standard FZ/T 99014-1995 "textile machinery and electrical equipment and technical conditions." Compared with this standard FZ/T 99014-1995, the main differences are as follows.

--- Standard Terms re-classification schedule, the standard structure from the original 13

becomes 17;

--- Chapter 1 Clear the portable microprocessor and revised as "Textile machinery and electrical equipment (including electronic equipment) and systems group the requirements";

--- Increased in Chapter 2, normative references, the body of the standard referred to organize, update to the latest standards;

--- Increased Chapter 3 Terms and definitions, terms are defined in Appendix A to delete the original standard;

--- New directory, 5.2,5.3,6.1.2,6.1.3,7.3,8.6,8.7,8.8, Chapter 10, Chapter 16 and Appendix A of the contents;

--- Number of editorial changes to the content;

--- Modify the terms of the control see Appendix A.

The standard proposed by China Textile Industry Association.

This standard by the national textile machinery and accessories for Standardization Technical Committee (SAC/TC215) under the jurisdiction of the national industry standard mechanical and electrical systems Associate Technical Committee Textile Machinery Electrical Systems Technical Committee (SAC/TC231/SC1) Professional focal point.

This standard was drafted. Beijing Jingwei Textile Machinery New Technology Co., Ltd. Yuci Jingwei Textile Machinery Branch, Qingdao Wang Textile Machinery Company Limited and Tianjin Hongda Textile Machinery Co., Ltd. Hongda Research Institute, Shaoyang Textile Machinery Co., Ltd.

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Introduction

This standard is intended for the manufacture and use of textile machinery and electrical equipment to provide the minimum technical requirements to ensure that.

- a) the safety of persons and equipment;
- b) reliable, stable performance;
- c) increase equipment life, easy maintenance.

Textile machinery and electrical equipment general technical conditions

1 Scope

This standard specifies the textile machinery and electrical equipment (including electronic equipment) and the basic requirements of the system, the introduction of the power cable terminal connection and disconnection Protection switch, electrical equipment, control circuit and control functions, control cabinet, installed on the machine electrical components, electronic equipment and software, wire Local lighting and wiring and cables, wiring technology, motors, and auxiliary equipment, marking, technical documentation, test and inspection.

This standard is applicable to the exchange rated voltage of 500V (including 500V), rated frequency is 200Hz (including 200Hz), 500V DC (Including 500V) following electrical equipment. The voltage and frequency exceeds the index, it can refer to these standards.

2 Normative references

The following documents for the application of this document is essential. For dated references, only the dated version suitable for use herein Member. For undated references, the latest edition (including any amendments) applies to this document.

GB/T 2423.1 Environmental testing for electric and electronic products Part 2. Test methods Test A. Cold GB/T 2423.2 Environmental testing for electric and electronic products Part 2. Test methods Test B. Dry heat GB/T 2423.3 Environmental testing for electric and electronic products Part 2. Test methods - Test Cab. Damp heat method GB/T 2423.8 Environmental testing for electric and electronic products Part 2. Test methods Test Ed. Free fall GB 2894 Safety Signs and use guidelines GB/T 3805 extra low voltage (ELV) limits Logo GB/T basic safety rules and equipment terminals and conductor terminal 4026 HMI flag identified GB 4208 housing protection (IP Code) GB/T 4588.1 metal-free single hole double sided printed specification GB/T 4588.2 metallized hole single and double sided printed specification GB/T 4588.3 printed circuit board design and use GB/T 4728 (all parts), Graphical symbols for electrical diagrams GB/T 4772 (all parts) rotary motor size and power output level GB/T 4776-2008 term electrical safety GB/T 4942.1 overall structure of the rotary motor protection (IP code) rating GB/T 5094.1-2002 Industrial systems, installations and equipment and industrial products - Structuring principles and reference designations - Part 1. group these rules GB 5226.1-2008 Safety of machinery - Electrical machinery and electrical equipment - Part 1. General requirements GB/T 5465.2-2008 Graphical symbols for electrical equipment - Part 2. Graphical symbols Preparation of GB/T 6988.1-2008 documents used in electrotechnology - Part 1. Rules GB 7251.1-2005 Low-voltage switchgear and control equipment Part 1. Type - tested and partially type-tested assemblies GB 7947-2010 mark HMI basic safety rules and conductor colors or alphanumeric identifier identifies GB/T 13534 logo color code GB/T 14048.7 low-voltage switchgear and control equipment - Part 7-1. Ancillary Terminal blocks for copper conductors GB 14050 type of

system grounding and safety technical requirements GB/T 15543 power quality,
three-phase voltage imbalance