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

GB 19212.10-2014

Replacing GB 19212.10-2007

**Safety of power transformers, power supply units and similar
devices -- Part 10: Particular requirements for transformers for
class III hand lamps for tungsten filament lamps**

(English Translation)

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Table of Contents

Introduction

1 Scope

2 Normative references

3 Terms and definitions

4 2 General requirements

5 General notes

Rating 2

7 Category

8 Marking and other information

9 Protection against electric shock

10 Change the input voltage setpoint

11 Load output voltage and output current

12 No-load output voltage of

13 Short-circuit voltage

14 Fever

15 Short-circuit and overload protection

16 Mechanical strength

17 To prevent dust, solid objects and moisture into the harmful Protection

18 Insulation resistance, dielectric strength and leakage current

19 Structure

20 Component

21 Internal wiring

22 Supply connection and other external flexible cable or cord

23 Terminals for external conductors

24 Protection grounding device

25 Screws and connections

26 Creepage distances, clearances and distances through insulation

27 Heat, fire and electrical resistance mark of

28 7 rust

Appendix

Reference

Foreword

All technical content in this Part of GB 19212 is mandatory.

GB 19212 "of power transformers, power supplies, reactors and similar products -" 1) now includes the following sections.

1) This series of standards, some parts are under "Safety of power transformers, power supply units and similar products," the title, some parts in the "power transformers, Power supplies, reactors and similar products" under the heading, some parts in the "power supply voltage 1100kV and below transformers, reactors, power supply Units and similar products" under the heading, some parts are "under transformers, reactors, power supply units and combinations of security" of the title, the next release the title of this series of standards may be modified.

--- Part 1. General requirements and tests;

--- Part 2. Particular requirements and general purpose test transformer isolated and built separate transformer power supply;

--- Part 3. Specific requirements and test control and built-in control transformer power supply;

--- Part 4. Gas and oil burner ignition transformers for special requirements;

--- Part 5. Particular requirements and tests and built-in isolation transformer isolation transformer power supply device;

--- Part 6. shaver transformer, and shaver supply units power supply unit Particular requirements and tests;

--- Part 7. Particular requirements and tests for safety isolating transformers and built-in safety isolating transformer power supply device;

--- Part 8. Particular requirements for transformers for toys and power supplies and test;

--- Part 9. Particular requirements for bell and bell transformers;

--- Part 10. Class III portable Particular requirements for filament transformers and power supply unit and test;

--- Part 13. Particular requirements for constant voltage transformers;

--- Part 14. Particular requirements for auto and test transformers and autotransformers built power supply device;

--- Part 16. supply of medical locations Particular requirements for isolating transformers;

--- Part 17. switched-mode power supply units and switch-mode power supply unit with the special requirements for transformers and tests;

--- Part 20. Particular requirements for interference attenuation transformers;

--- Part 21. Small reactors Particular requirements and tests;

--- Part 24. Particular requirements for transformers for construction sites.

Other parts are under consideration.

This is Part 10 GB 19212's. This is part of the GB 19212.1-2008 developed on the basis of this part of the need and GB 19212.1-2008 and IEC 61558-1:2005 No. 1 in conjunction with amendments. This part is the GB 19212.1-2008 phase Chapter should, supplement bars and modifications to the GB 19212.1-2008 content conversion based content portions. For this section GB 19212.1-2008 new additions numbered starting from 101.

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

This Part replaces GB 19212.10-2007 "Part 10 Safety of power transformers, power supply units and similar products. III class portable Particular requirements for filament transformer. " Compared with GB 19212.10-2007, the main technical changes are as follows.

--- Standard name was changed to "transformers, reactors, power supply units and Part 10 security portfolio. Class III portable filament lamps Particular requirements and tests "transformers and power supply means;

--- Amend Chapter 1, "scope" (see Chapter 1);

--- Added "III class laptop built for filament transformer power supply device" terms and definitions (see 3.1.102);

--- Modifications and additions of the provisions of "structure" (see Chapter 19);

--- Deleted Appendix C, Appendix D and Appendix L (see the 2007 edition of Appendix C, Appendix D and Appendix L).

This section uses the translation method identical with IEC 61558-2-9:2010 "transformers, reactors, power supply units and combinations Safety Part 2-9. III class portable tungsten Particular requirements and tests "transformers and power supply unit.

This part made the following editorial changes.

--- Standard name was changed to "transformers, reactors, power supply units and Part 10 security portfolio. Class III portable filament lamps Particular requirements and tests "transformers and power supply means;

--- Chapter 2, "Normative references" with "GB 19212.1-2008" instead of "IEC 61558-1:2005".

Please note that some of the content of this document may involve patents. Release mechanism of the present document does not assume responsibility for the identification of

these patents.

This part is proposed by the China Electrical Equipment Industrial Association.

This part of the National Small power transformers, reactors, power supply units and similar products Standardization Technical Committee (SAC/TC418) Centralized.

This section is drafted. Shenyang Transformer Research Institute Co., Ltd., Tianjin high-Hui Electronics Co., Ltd. photoelectric Shanghai Quality Supervision Inspection Technology Research Institute, the National Radio and Television Product Quality Supervision and Inspection Center, the Ministry of Industry and Information Technology Institute of Electronics V ceprei quality and safety Testing Center.

1 Scope

GB 19212.1-2008 this chapter is replaced by the following.

GB 19212 of the provisions of this part of the power supply unit III class portable and built-in transformers for filament lamps Class III portable transformers for filament lamps Safety requirements. Transformers incorporating electronic circuits are also included in this section.

Note 1: Safety requirements including electrical, temperature, mechanical and chemical.

Unless otherwise specified, the following "Transformer" III class includes portable and built-in transformers for filament lamps Class III portable electrical transformers for filament lamps Source device.

This section applies to Stationary or mobile, single-phase, air-cooled (self-cooled or air-cooled), with independent or supporting the use of dry-type transformers. Its around A group can be encapsulated or non-encapsulated type.

This section applies to the internal operating frequency not exceeding 500Hz transformers and power supply unit (linear).

This portion of GB 19212.17 switched mode power supply apparatus used in combination, also apply to the internal operating frequency of the power supply device exceeds 500Hz Rated supply voltage not exceeding AC 1000V, rated supply frequency and internal operating frequency not exceeding 500Hz.

Class III portable for filament transformer has the following additional features.

--- Load output voltage and rated output voltage does not exceed 50V AC or ripple-free DC 120V;

--- Load voltage and rated output voltage with only minor differences.

Rated output shall not exceed.