

ICS 29.120.50
CCS K 31



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

GB 9364.3-1997

Replacing GB/T 9364.3-1997

Miniature fuses -- Part 3: Sub-miniature fuse-links

小型熔断器 第3部分:超小型熔断体

(English Translation)

Issued on: May 14, 2018

Implemented on: December 1, 2018

**Issued by: State Administration for Market Regulation, China National
Standardization Administration**

Table of Contents

Foreword

1 Scope and purpose

2 Normative references

3 Terms and definitions

4 General requirements

5 Standard rating

Foreword

GB/T 9364 "Miniature fuse" is divided into the following parts.

--- Part 1. General definition of miniature fuses and general requirements for miniature fuses;

--- Part 2. tubular fuse link;

---Part 3. Ultra-small fuse-links;

--- Part 4. Universal modular fuse-link (UMF) perforated and surface mount type;

---Part 5. Guidelines for the assessment of the quality of small fuses;

--- Part 6. Fuse holders for small tubular fuse-links;

---Part 7. Small fuses for special applications;

--- Part 10. User Guide;

--- Part 11. Fuse for LED lamps.

This part is the third part of GB/T 9364.

This part is drafted in accordance with the rules given in GB/T 1.1-2009.

This part replaces GB/T 9364.3-1997 "Miniature fuses Part 3. Ultra-small fuse links". And GB/T 9364.3-Compared with 1997, the main technical changes are as follows.

--- Combine Chapter 1 "Scope" of GB/T 9364.3-1997 and Chapter 2 "Purpose" into a new Chapter 1, "Scope and Purpose", and Added Chapter 2, "Regulatory References";

--- Increased the requirement of 6.5 because the space limited sign can not be marked on the product;

--- Revised the number of fuses required for the test in 7.2.1;

--- Revised the requirements of the test plate in 7.3 and the cross-sectional area of the test wire;

--- Removed 7.4 of GB/T 9364.3-1997;

---8.2 increases the duration of the application of the test flame, and stipulates that the glass or ceramic does not require a needle flame test;

--- Modified the note of 8.4;

---9.4.3c) The measured voltage drop shall not exceed the maximum allowable value in the relevant standard specification sheet;

--- Removed the 9.8 additional test of GB/T 9364.3-1997;

--- The rated voltage in the standard specification sheet 2 has been increased by 250V;

--- The rated current of the standard specifications 2, 3, 4 is increased to 10A.

This section uses the redrafting method to modify the use of IEC 60127-3:2015 "Miniature fuses Part 3. Ultra-small fuse links".

The technical differences between this part and IEC 60127-3:2015 and their reasons are as follows.

---About the normative reference documents, this part has made technical adjustments to adapt to China's technical conditions, adjustments the situation is reflected in Chapter 2, "Regulatory References", and the specific adjustments are as follows.

- Replace ISO 3 with GB/T 321-2005 equivalent to the international standard;

- Replace IEC 60068-2-21 with GB/T 2423.60 equivalent to the international standard;

- Replace IEC 60695-11-5 with GB/T 5169.5 equivalent to the international standard.

--- Added references.

This section has made the following editorial changes.

--- According to the provisions of GB/T 1.1-2009, added in the "Scope" of Chapter 1 "This part of GB/T 9364 specifies ultra-small melting Technical requirements for standard specifications, dimensions and structures, and electrical performance requirements for broken bodies. " this part was proposed by China Electrical Equipment Industry Association.

This part is under the jurisdiction of the National Fuse Standardization Technical Committee (SAC/TC340).

This section drafted by. China Electric Apparatus Research Institute Co., Ltd., Nanjing Sartre Technology Development Co., Ltd., Hollyland (China) Electronics Technology Co., Ltd., Dongguan Huade Electric Co., Ltd., China Electronics Technology Standardization

Research Institute, Weikai Testing Technology Co., Ltd., Dongguan Beite Electronic Technology Co., Ltd., Baifu Electronics Co., Ltd., Cooper Electronic Technology (Shanghai) Co., Ltd., Shanghai Songshan Electronics Co., Ltd.

Company, Xucheng Electronics (Shenzhen) Co., Ltd., Lite Fuse Co., Ltd., Shenzhen Liangsheng Electronics Co., Ltd., Wenzhou Hongfeng Electric Alloy Co., Ltd.

Co., Ltd., Shenzhen Del Electronics Co., Ltd.

1 Scope and purpose

This part of GB/T 9364 specifies the technical specifications for standard specifications, dimensions and structures, and electrical performance requirements for ultra-small fuse links.

This section applies to ultra-small electrical equipment, electronic equipment and components therein suitable for printed circuits and used to protect indoor use.

Fuse.

This section does not apply to ultra-small fuses for electrical installations used under special conditions, such as corrosive or explosive environments.

This section also uses the requirements of GB/T 9364.1-2015.

The purpose of this part is. in addition to the applicable requirements of GB/T 9364.1-2015, special and additional tests for ultra-small fuses are also specified.

Test method.

2 Normative references

The following documents are indispensable for the application of this document. For dated references, only dated versions apply to this article.

Pieces. For undated references, the latest edition (including all amendments) applies to this document.

GB/T 321-2005 Priority and Priority Numbers (ISO 3:1973, IDT) GB/T 2423.60 Environmental testing of electrical and electronic products - Part 2. Test methods Tests U. Terminals and overall mountings are strong Degree (GB/T 2423.60-2008, IEC 60068-2-21:2006, IDT) GB/T 5169.5 Fire hazard testing for electric and electronic products - Part 5. Tests Test methods and guidelines (GB/T 5169.5-2008, IEC 60695-11-5:2004, IDT) GB/T 9364.1-2015 - Part 1 . Definitions of miniature fuses and general requirements for miniature fuses (IEC) 60127-1.2006, MOD) Printed boards and other joining materials - Part 2-7. Reinforced floor coverings and uncovered slabs Epoxy glass woven copper clad laminate with constant flammability (vertical burning test)

[Materials for printed boards and other inter-Connecting structures-Part 2-7.
Reinforced base materials clad and unclad-Epoxy woven E-glass
Laminated sheet of defined flammability (vertical burning test), copper-clad]

3 Terms and definitions

The terms and definitions defined in GB/T 9364.1-2015 apply to this document.

4 General requirements

This chapter of GB/T 9364.1-2015 is applicable.

5 Standard rating

This chapter of GB/T 9364.1-2015 is applicable.