

ICS 29.120.50
CCS K 31



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

GB/T 9364.5-2025

Replacing GB/T 9364.5-2011

**Miniature fuses - Part 5: Guidelines for quality assessment of
miniature fuse-links**

小型熔断器 第5部分：小型熔断体质量评定导则
(English Translation)

Issued on: December 31, 2025

Implemented on: July 1, 2026

Issued by: State Administration for Market Regulation

Table of Contents

Preface

Introduction

1 Scope

2 Normative References

3 Terms and Definitions

4 Batch-by-batch inspection

5 Periodic inspections 4.

Appendix A (Informative) Review Testing and Surveillance - Application Guidelines for the IEC EE03 (CB-FCS) Code for Miniature Fuses

Reference

Foreword

This document complies with the provisions of GB/T 1.1-2020 "Standardization Work Guidelines Part 1: Structure and Drafting Rules of Standardization Documents".

Drafting.

This document is Part 5 of GB/T 9364 "Miniature Fuses". GB/T 9364 has already published the following parts.

---Part 1: Definition of Miniature Fuses and General Requirements for Miniature Fuse Elements;

---Part 2: Tubular fuses;

---Part 3: Miniature Fuses;

---Part 4: Universal Modular Fuse (UMF) - Through-hole and Surface Mount Types;

---Part 5: Guidelines for Quality Assessment of Small Fuse Elements;

---Part 6: Fuse Supports for Miniature Fuses;

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

---Part 8: Fuse Resistors with Special Overcurrent Protection;

---Part 10: User Guide;

---Part 11: Fuses for LED Lighting this document supersedes GB/T 9364.5-2011 "Miniature Fuses - Part 5: Guidelines for Quality Assessment of Miniature Fuse Elements".

Compared with GB/T 9364.5-2011, apart from structural adjustments and editorial changes, the main technical changes are as follows.

---Added a scope description for simplified type testing and lot-by-lot inspection (see Chapter 1);

---The requirements for the "collimation" test item in non-destructive testing have been changed, adding "(where applicable)"; electrical continuity has also been added.

Total AQL; added notes on inspection levels (see Table 1, 2011 edition);

---The requirements for destructive testing have been changed (see 4.3, 3.3 in the 2011 edition);

---The simplified type testing requirements have been changed (see Chapter 5, Chapter 5 of the 2011 edition).

This document is modified to adopt IEC 60127-5:2016 "Miniature fuses - Part 5: Guidelines for quality assessment of miniature fuse elements".

The technical differences between this document and IEC 60127-5:2016, and the reasons therefor, are as follows.

---Added. "This document specifies the batch-by-batch inspection, reliability and durability testing, and periodic inspection requirements for the quality assessment of small fuses." the requirements must be met to comply with GB/T 1.1-2020 (see Chapter 1);

---The normative standard GB/T 9364.1-2015 has replaced IEC 60127-1:2006 and IEC 60127-1:2006/AMD2.

2015 and IEC 60127-1:2006 (see Chapters 3, 4 and 5) to adapt to my country's technical conditions and increase operability.

Actual nature;

---IEC 60127-2:2014 (see Chapters 4 and 5) has been replaced with the normatively referenced GB/T 9364.2-2018 to accommodate...

Improve my country's technological capabilities and increase operability;

---IEC 60127-3:2015 (see Chapters 4 and 5) has been replaced with the normatively referenced GB/T 9364.3-2018 to accommodate...

Improve my country's technological capabilities and increase operability;

---IEC 60127-4:2005 (see Chapters 3, 4 and 5) has been replaced by the normatively referenced GB/T 9364.4-2016.

(Chapter), to adapt to my country's technological conditions and increase operability;

---IEC 60127-7:2015 (see Chapters 3, 4 and 5) has been replaced by the normatively

referenced GB/T 9364.7-2016.

(Chapter), to adapt to my country's technological conditions and increase operability;

---The requirements for non-destructive testing have been revised. Depending on the shape of the product, Table 1 now includes "(Applicable)" after "Collimation".

(Time)", to adapt to my country's technical conditions and increase operability (see Table 1);

---The simplified type test requirements of GB/T 9364.2 or GB/T 9364.3 have been revised, adding "terminals (where applicable)" for...

The phrase "(when applicable)" is added after "collimation" (see Table 5) to adapt to my country's technical conditions and increase operability.

The following editorial changes have been made to this document.

---Notes on the increased inspection levels (see Table 1);

---Added notes for other sampling levels (see 4.3.1.1);

---Added notes on the test current for samples with a rated current greater than 10A in the simplified type test (see Tables 5, 6, and 7);

---Added Appendix A (Informative) "Review Testing and Supervision---Application of IEC EE03 (CB-FCS) Rules for Small Fuse Elements" "Use guidelines".

Please note that some content in this document may involve patents. The issuing organization of this document assumes no responsibility for identifying patents.

This document was proposed by the China Electrical Equipment Industry Association.

This document is under the jurisdiction of the National Technical Committee on Standardization of Fuses (SAC/TC340).

Introduction

GB/T 9364 "Miniature Fuses" aims to standardize the technical requirements and test methods for miniature fuses, ensuring the electrical safety of the entire product.

The complete set is proposed to consist of the following parts.

---Part 1: Definition of Miniature Fuses and General Requirements for Miniature Fuse Elements. The purpose is to specify the definition of miniature fuses and the general requirements for miniature fuse elements.

Technical requirements for broken parts, including general requirements, standard ratings, markings, dimensions, structure, and electrical requirements.

---Part 2: Tubular Fuses. The purpose is to specify the general requirements, standard ratings, markings, dimensions, and structure of tubular fuses.

Electrical requirements and standard specifications, and other technical requirements.

---Part 3: Miniature Fuses. The purpose is to specify the general requirements and standard ratings for miniature fuses.

Technical requirements such as values, markings, dimensions, structure, electrical requirements, and standard specifications.

---Part 4: Universal Modular Fuse (UMF) Through-hole and Surface Mount Types. The purpose is to specify through-hole...

General requirements, standard ratings, markings, dimensions, electrical requirements and standards for modular and surface-mount universal fuse elements.

Technical requirements such as grid order.

---Part 5: Guidelines for Quality Assessment of Small Fuse Elements. The purpose is to specify the batch-by-batch inspection and reliability requirements for the quality assessment of small fuse elements.

Requirements such as durability testing and periodic inspections.

---Part 6: Fuse Supports for Miniature Fuses. The purpose is to specify the protection against electric shock for fuse supports for miniature fuses.

Technical requirements include protection, electrical clearances and creepage distances, electrical requirements, mechanical requirements, heat resistance requirements, and durability.

---Part 7: Miniature Fuses for Special Applications. The purpose is to specify the general requirements and standard ratings for miniature fuses for special applications.

Technical requirements such as values, markings, dimensions, structure, electrical requirements, and standard specifications.

---Part 8: Fusible Resistors with Special Overcurrent Protection. The purpose is to specify fusible resistors with special overcurrent protection.

Technical requirements for resistors, including general requirements, standard ratings, markings, dimensions and structure, electrical requirements, and standard specifications.

---Part 9: Small fuses with partial breaking capacity for special applications. The purpose is to specify fuses with partial breaking capacity...

Technical requirements for miniature fuses for special applications, including general requirements, standard ratings, markings, dimensions, electrical requirements, and standard specifications.

Require.