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

GB/T 9364.8-2023

**Miniature fuses - Part 8: Fuse resistors with particular
overcurrent protection**

小型熔断器 第8部分：带有特殊过电流保护的熔断电阻器

(English Translation)

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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 8 of GB/T 9364 "Miniature Fuses": GB/T 9364 has released the following parts:

---Part 1: Definition of miniature fuses and general requirements for miniature fuse links;

---Part 2: Tubular fuse links;

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

---Part 4: Universal modular fuse (UMF) through-hole and surface mount;

---Part 5: Guidelines for quality assessment of small fuse links;

---Part 6: Fuse supports for small fuse links;

---Part 7: Small fuse links for special applications;

---Part 8: Fusing resistors with special overcurrent protection;

---Part 10: User Guide;

---Part 11: Fuse links for LED lamps:

This document is modified to adopt IEC 60127-8:2018 "Miniature fuses Part 8: Fusing resistors with special overcurrent protection":

The technical differences between this document and IEC 60127-8:2018 and their reasons are as follows:

--- Added "This document specifies the general requirements, standard ratings, markings, and tests for fuse resistors with special overcurrent protection Technical requirements such as general description, dimensions and structural and electrical requirements" to comply with the requirements of GB/T 1.1 (see Chapter 1);

---Deleted the normative references to IEC 60115-4-101 and IEC 60115-4-102 to adapt to my country's technical conditions and improve Operability (see Chapter 1, Chapter 2, Chapter 3);

---Replaced IEC 60127-1:2006 and its Amd1:2011 and Amd2: with the normatively cited GB/T 9364.1-2015 2015, in order to adapt to my country's technical conditions and improve operability (see Chapter 3, Chapter 4, Chapter 6, Chapter 7, Chapter 8 and Chapter 9 chapter);

---Replaced IEC 60115-1:2008 with normatively cited GB/T 5729 to adapt to my country's technical conditions and improve operability sex (see Chapter 3);

---The test temperature requirements for operating characteristics at room temperature have been changed to adapt to my country's technical conditions and improve operability (see 3.9, 9:2:1);

---Replaced IEC 61249-2-7:2002 with normatively cited IEC 61249-2-7 to adapt to my country's technical conditions and improve reliability Operability (see 7.3:2);

---Replaced IEC 60068-2-21:2006 with normatively cited GB/T 2423.60 to adapt to my country's technical conditions and improve reliability Operability (see 8.3);

---Replaced IEC 60326-3:1991 with normatively cited GB/T 4588.3 and corrected the listing location of the file, changing the file from References have been adjusted to Chapter 2 to adapt to my country's technical conditions and improve operability (see 8.4);

---When the dielectric strength test is changed, it is recommended to set the current to

adapt to my country's technical conditions and improve operability (see 9.3:4):

Please note that some content in this document may be subject to patents: The publisher of this document assumes no responsibility for identifying patents:

Introduction

GB/T 9364 aims to standardize the technical requirements for small fuses: As a circuit safety protection component, small fuses are used to protect various Electrical devices, electronic equipment and components therein, such as home appliances, IT, AV, digital products, etc:

GB/T 9364 is intended to consist of the following parts:

---Part 1: Definition of miniature fuses and general requirements for miniature fuse links: The purpose is to standardize the definition and general requirements of small fuses Sum test requirements:

---Part 2: Tubular fuse links: The purpose is to standardize the standard specifications, size and structure, electrical performance and other technologies of tubular fuse links:

technical requirements:

---Part 3: Ultra-small fuse links: The purpose is to standardize the standard specifications, size and structure, and electrical performance of ultra-small fuse links:

and other technical requirements:

---Part 4: Universal modular fuse (UMF) through-hole and surface mount: The purpose is to standardize the general modular fuse-link Standard specification sheet, size and structure, electrical performance and other technical requirements:

---Part 5: Guidelines for quality assessment of small fuse links: The purpose is to provide operable and quantifiable methods for quality assessment of small fuse links:

Guidelines:

---Part 6: Fuse supports for small fuse links: The purpose is to standardize the ratings, Technical requirements such as protection against electric shock, electrical clearances and creepage distances, electrical requirements, mechanical requirements, thermal requirements and durability:

---Part 7: Small fuse links for special applications: The purpose is to standardize the standard specifications and construction of small fuse links for special applications:

Technical requirements such as structure and electrical performance:

---Part 8: Fusing resistors with special overcurrent protection: The purpose is to standardize fused circuit breakers with special overcurrent protection:

Technical requirements such as general requirements, standard ratings, size and structure, and electrical requirements for resistors:

---Part 9: Small fuses for special applications with partial breaking capacity: The purpose is to standardize special equipment with partial breaking capability:

Technical requirements such as general requirements, standard ratings, size and structure, and electrical requirements for small fuses for special applications:

---Part 10: User Guide: The purpose is to introduce the important properties of small fuses and fuse holders, and guide users in their selection and use:

---Part 11: Fuse links for LED lamps: The purpose is to standardize the general requirements, standard ratings, and standards for fuse links for LED lights:

specifications, testing, dimensions and structure, electrical performance and other technical requirements:

This document can provide guidance for the production of fuse resistor products with special overcurrent protection and improve the technical performance and safety of the product:

Reliability, protects various electrical devices, electronic equipment and the components in them:

Miniature fuses Part 8: With special overcurrent Protective fuse resistor

1 Scope

This document specifies the general requirements, standard ratings, markings, general instructions for testing, and dimensions of fuse resistors with special overcurrent protection:

technical requirements such as size and structural and electrical requirements:

This document applies to printed circuit and substrate systems used to protect electrical installations, electronic equipment and the like intended for indoor use:

Components, and the rated voltage does not exceed AC 500V/DC 500V fuse resistor with special overcurrent protection:

This document does not apply to electrical installations with special overcurrent protection intended for use under special conditions (e.g. corrosive or explosive atmospheres) fuse resistor:

The purpose of this document is:

a) Establish uniform requirements for fuse resistors with special overcurrent protection functions in order to protect electrical appliances or appliances in the most appropriate way parts;