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

GB/T 9364.10-2013

Miniature fuses -- Part 10: User guide for miniature fuses

小型熔断器 第10部分：用户指南

(English Translation)

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Foreword

GB 9364 "miniature fuses" is divided into the following sections.

- Part 1. Definitions and miniature fuses and general requirements for miniature fuse-links
- Part 2. Cartridge fuse
- Part 3. ultra-small fuse
- Part 4. Universal modular fuse
- Part 5. Small fuse quality assessment guidelines
- Part 6. miniature cartridge fuse fuse holder
- Part 7. Special applications fuse
- Part 10. User's Guide
- Part 11. LED lamp fuse this section GB of Section 109 364.

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

This section uses redrafted Law Amendment uses IEC 60127-10:2001 "Miniature fuses - Part 10. User's Guide." this part of IEC 60127-10:2001 technical differences and for the following reasons.

--- On normative references, this part has been adjusted technical differences, in order to adapt our technical conditions, the adjusted situation Focus is reflected in the status of Chapter 2, "Normative references", the specific adjustments are as follows.

- with GB 9364.2 Miniature fuses - Part 2. Cartridge fuse-links (GB 9364.2-1997, IEC 60127-2.

1989, IDT) instead of the IEC 60127-2. 1989;

- with GB 9364.3 Miniature fuses - Part 3. ultra-small fuse (GB 9364.3-1997, IEC 60127-3.

1988, IDT) instead of the IEC 60127-3. 1988;

- with GB 9364.4 Miniature fuses - Part 4. Universal modular fuse (GB 9364.4-2006, IEC 60127-4.

1996, IDT) instead of the IEC 60127-4:1996;

- with GB 9364.6 Miniature fuses - Part 6. Fuse holder Small cartridge fuse (GB 9364.6-2001, IEC 60127-6:1994, IDT) instead of the IEC 60127-6:1994.

--- 4.3 last sentence "Voltage 6.3A to 10A is 60V.", According to GB 9364.2-1997 standard sheet 4, "6.3A" to "5A".

--- According to the actual structure of the product, remove the injection of 4.3 "(in addition to standard sheet 4 outside)." this part made the following editorial changes.

--- According to GB/T 1.1 relevant provisions in Chapter 1, "scope" in the first line and second line complements the "provisions of this Part of GB 9364 the nature of miniature fuses, fuse different types of applications, I2t limit protection and pulse operation, DC applications, melt Block breaker, performance, technical requirements affected by the ambient temperature at extra-low voltage. ";

--- According to GB/T 1.1 relevant regulations, IEC 60127-10:2001 standard introduction on the structure described in this section before the move the words;

--- According to GB/T 1.1 the relevant provisions of the IEC 60127-10:2001 Graphical unified body placed behind the body;

--- According to GB/T 1.1 the relevant provisions, in order to avoid the suspension segment increased by 4.1 in Chapter 4, the original 4.1 to 4.2, the original 4.2 to 4.3, the original 4.3 to 4.4, 4.4 to 4.5 of the original, the original 4.5 to 4.6.

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

This part of the National Standardization Technical Committee fuse (SAC/TC340) centralized.

This section drafted by. China Electric Apparatus Research Institute Co., Ltd., Nanjing Sartre Technology Development Co., hollyland (China) Electronics Technology Co., Ltd., Xu Cheng Electronic (Shenzhen) Co., Ltd., Zhangzhou Albemarle Electronics Co., Ltd. Shanghai Songshan Electronics Co., Ltd., Dongguan City Wancheng Fuse Co., Ward Electronic Co., Weikai Detection Technology Co., Ltd. Shenzhen-Electronics Co., Ltd., Cooper Electronics Science and Technology (Shanghai) Co., Ltd., Xiamen SET Electronics Co., Ltd., Dongguan City, Beit Electronic Technology Co., AEM Technology (Su State) Co., Ltd., Littelfuse Limited.

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Introduction

Users miniature fuses hope that all involved in standard miniature fuses, recommendations and other documents should have the same standard order number so in reference to fuses in other specifications, such as equipment specifications.

In addition, the use of a standard number, and is divided into several parts, in favor of the new standards, because the provision contains general requirements on Need not repeated.

Miniature fuses

Part 10. User's Guide

1 Scope

This section specifies the nature of miniature fuses, fuse different types of applications, I2t limit protection and pulse operation, the DC should with, fuse holders, performance, technical requirements affected by the ambient temperature at extra-low voltage.

This section applies to regularly scheduled within the protection of electrical household devices, electronic equipment and components used in small fuse, that is GB 9364.2, GB 9364.3 and GB 9364.4 fuse prescribed.

This section applies to the fuse holder in line with GB 9364.6 of miniature fuses. This section does not apply to scheduled special conditions (for example.

Corrosive or explosive atmospheres) of electrical fuse devices under use.

The purpose of this guide is to give users about important properties of compact fuse holder and fuse mini fuse, and gives some of the use of melt Off the guide member.

Note 1: If the fuse prove GB 9364 performance does not meet the requirements, the reference GB 13539.

Note 2: Due to differences in design, the same type and rating fuse may have different voltage drop and different properties. Therefore, in practice, when their use in low-voltage circuit device, especially in combination with a lower rated current fuse, they may not be interchangeable.

Note 3: Contact the manufacturer for more information.

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 9364.2 Miniature fuses - Part 2. Cartridge fuse (GB 9364.2-1997, IEC 60127-2. 1989, IDT) GB 9364.3 Miniature fuses Part 3. ultra-small fuse (GB 9364.3-1997, IEC 60127-3. 1988, IDT) GB 9364.4 Miniature fuses - Part 4. Universal modular fuse (GB 9364.4-2006, IEC 60127-4:1996, IDT) GB 9364.6 Miniature fuses - Part 6. miniature cartridge fuse fuse holder (GB 9364.6-2001, IEC 60127-6:1994, IDT) GB 13539 (all parts), Low-voltage fuses [IEC 60269 (all parts)]

3 Property, miniature fuses

Small fuse provides short circuit and overload effect continued protection and fault protection element and the front end of the conductor, the back-end fault isolation Branch fault circuit. Disconnect the fuse also acts as a diagnostic tool to help identify the location of the fault. These properties include.

--- Diverse forms of physical structure. a small fuse on the physical structure of a variety of choices. For example, some fuse can be installed to clip and fuse holder, or inserted into the tube holder can be easy to replace. Some type of surface mount or through perforations Mount mounted to wave or reflow soldered to the printed circuit board.

--- Low cost and very small size. suitable for mounting on small devices, small fuse circuit provides a very good protection.

--- A wide range of features. miniature fuses commonly used in lower than expected short-circuit current 1500A electronic devices. Small melting Breaker has a very wide range of properties, from the (very) quick action type to the (long) delay type. The latter type is very useful, Because they can withstand the inrush current when connected to the circuit, but in the continuous overload will disconnect.