



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

GB/T 31465.7-2017

**Road vehicles -- Fuse-links -- Part 7: Fuse-links with shortened
tabs**

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Table of Contents

Foreword...	3
1 Scope...	5
2 Normative References...	5
3 Terms and Definitions...	5
4 Mark, Label and Color Code...	6
5 Test and Requirements...	6
6 Dimension...	13
7 Test Fixture...	15

Foreword

GB/T 31465 Road Vehicle - Fuse-Links includes the following 7 parts.

- Part 1. Definition and General Test Requirements;
- Part 2. User Guide;
- Part 3. Fuse-Link with Blade Type;
- Part 4. Fuse-Links with Female Contacts and Bolt-in Contacts;
- Part 5. Strip Fuse-Links;
- Part 6. Fuse-Links with Bolt-in Contact with High Voltage;
- Part 7. Fuse-Links with Shortened Tabs.

This Part belongs to Part 7 of GB/T 31465.

This Part was drafted as per the rules specified in GB/T 1.1-2009.

This Part adopts the re-drafting method to modify and use ISO 8820-9.2014 Road Vehicles - Fuse-Links - Part 9. Fuse-Links with Shortened Tabs (Type K).

The technical differences and causes between this Part and ISO 8820-9.2014 are as follows.

- For the sake of standard use, the text quoted from GB/T 31465.1 are added the clause number.
- For Clause 2, the original text quoted from ISO 6672-1; China has transferred

the ISO 6722.2006 into GB/T 25085; the technical content totally corresponds to ISO 6672-1; this Part changes quotation of GB/T 25085. Change ISO 8820-1 into the simultaneous conversion of our national standard.

--- Transfer the original text's 5.1 "test sequence shall be subject to the provisions of Table 2" to the 5.1.2; which conforms to the logic and standard preparation requirements more.

--- Refer to other parts of serial standard; increase "if under the negotiation between the supplier and purchaser, the temperature rise test can refer to other part provisions of serial standard" to 5.1.2.

--- Increase "the dimension of Type-K fuse-link can refer to Figure 5 and Table 8" to 6.1, which conforms to the logic and standard preparation requirements more.

--- In Table 9, the given international standards on bolts and nuts are replaced by the corresponding national standards; and increase three quotation standards of GB/T 77, GB/T 818, GB/T 6170 to the normative references.

--- The named examples in 6.1.2 was increased the rated voltage as per the industry practice.

--- The textual description of Clause 7 in the original text is obviously inconsistent with the content; it is changed into "the test fixture of Type-K fuse-link can refer to Figure 6 and Table 9, which conforms to the logic and standard preparation requirements more.

This Part shall be under the jurisdiction of National Technical Committee for Standardization of Automotive (SAC/TC 114).

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Road Vehicles - Fuse-Links -

Part 7. Fuse-Links with Shortened Tabs

1 Scope

This Part of GB/T 31465 specifies the color code, rated current, test and requirements, and dimension, etc. of fuse-links with shortened tabs for road vehicles.

This Part is applicable to the fuse-links (Type-K) with shortened tabs for the rated voltage of 58V, rated current of no greater than 30A, fuse capacity of 1000A.

2 Normative References

The following documents are essential to the application of this document. For the dated documents, only the versions with the dates indicated are applicable to this document; for the undated documents, only the latest version (including all the amendments) are applicable to this document.

GB/T 77 Hexagon Socket Set Screws with Flat Point (GB/T 77-2007, ISO 4026.2003, MOD)

GB/T 818 Pan Head Screws with Cross Recess (GB/T 818-2000, eqv ISO 7045.1994)

GB/T 6170 Hexagon Nuts, Style 1 (GB/T 6170-2000, eqv ISO 4032.1999)

GB/T 25085 Road Vehicles - 60V and 600V Single-Core Cables (GB/T 25085-2010, ISO 6722.2006, IDT)

GB/T 31465.1-2015 Road Vehicles - Fuse-Link - Part 1. Definitions and General Test Requirements (ISO 8820-1.2008, MOD)

3 Terms and Definitions

The terms and definitions stipulated in GB/T 31465.1-2015 are applicable to this document.

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