

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Low voltage fuses –
Part 7: Supplementary Requirements for fuse-links for the protection of batteries
and battery systems**

**Fusibles basse tension –
Partie 7: Exigences supplémentaires concernant les éléments de remplacement
utilisés pour la protection des batteries et des systèmes de batterie**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

LOW VOLTAGE FUSES –

**Part 7: Supplementary Requirements for fuse-links
for the protection of batteries and battery systems**

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IEC 60269-7 has been prepared by subcommittee 32B: Low-voltage fuses, of IEC technical committee 32: Fuses. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
32B/700/CDV	32B/709/RVC

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This part is to be used in conjunction with IEC 60269-1, *Low-voltage fuses – Part 1: General requirements*.

This Part 7 supplements or modifies the corresponding clauses or subclauses of Part 1. Where no change is necessary, this Part 7 indicates that the relevant clause or subclause of Part 1 applies.

Tables and figures which are additional to those in Part 1 are numbered starting from 101. Additional annexes are lettered AA, BB, etc.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

A list of all parts of the IEC 60269 series, under the general title: *Low-voltage fuses*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

INTRODUCTION

This document specifically supports the UN goals:

- No. 7: Affordable and clean energy
- No. 9: Industry, innovation and infrastructure
- No. 11: Sustainable cities and communities
- No. 12: Responsible consumption and communities

LOW VOLTAGE FUSES –

Part 7: Supplementary Requirements for fuse-links for the protection of batteries and battery systems

1 General

Fuse-links for the protection of battery energy systems shall comply with all requirements of IEC 60269-1, if not otherwise indicated hereinafter, and shall also comply with the supplementary requirements laid down below.

1.1 Scope and object

These supplementary requirements apply to fuse-links for the protection of batteries and battery systems, including, but not limited to terminology, for electricity storage in equipment for circuits of nominal voltages up to 1 500 V DC.

Their rated voltage can be higher than 1 500 V DC.

The object of these supplementary requirements is to establish the characteristics of battery fuse-links in such a way that they can be replaced by other fuse-links having the same characteristics, provided that their dimensions are identical.

1.2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

IEC 60269-1, *Low-voltage fuses - Part 1: General requirements*

IECEE OD-5014, *IEC System of Conformity Assessment Schemes for Electrotechnical Equipment and Components (IECEE System), Committee of Testing Laboratories (CTL), Instrument Accuracy Limits*

ISO/IEC 17025, *General requirements for the competence of testing and calibration laboratories*

2 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 60269-1 and the following apply.

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