



# SLOVENSKI STANDARD SIST EN IEC 60127-1:2025

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## Miniaturne varovalke - 1. del: Definicije za miniaturne varovalke in splošne zahteve za miniaturne taljive vložke (IEC 60127-1:2023)

Miniature fuses - Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links (IEC 60127-1:2023)

Geräteschutzsicherungen - Teil 1: Begriffe für Geräteschutzsicherungen und allgemeine Anforderungen an G-Sicherungseinsätze (IEC 60127-1:2023)

Coupe-circuits miniatures - Partie 1: Définitions pour coupe-circuits miniatures et exigences générales pour éléments de remplacement miniatures (IEC 60127-1:2023)

**Ta slovenski standard je istoveten z: EN IEC 60127-1:2024**

[SIST EN IEC 60127-1:2025](https://standards.sist.si/standards/sist/76262504/60127-1/60127-1-2025)

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### ICS:

29.120.50	Varovalke in druga nadtokovna zaščita	Fuses and other overcurrent protection devices
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**SIST EN IEC 60127-1:2025**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN IEC 60127-1**

October 2024

ICS 29.120.50

Supersedes EN 60127-1:2006;  
EN 60127-1:2006/A1:2011;  
EN 60127-1:2006/A2:2015

English Version

**Miniature fuses - Part 1: Definitions for miniature fuses and  
general requirements for miniature fuse-links  
(IEC 60127-1:2023)**

Coupe-circuits miniatures - Partie 1: Définitions pour coupe-circuits miniatures et exigences générales pour éléments de remplacement miniatures  
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Geräteschutzsicherungen - Teil 1: Begriffe für Geräteschutzsicherungen und allgemeine Anforderungen an G-Sicherungseinsätze  
(IEC 60127-1:2023)

This European Standard was approved by CENELEC on 2024-09-18. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

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Comité Européen de Normalisation Electrotechnique  
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**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN IEC 60127-1:2024 (E)****European foreword**

The text of document 32C/615/FDIS, future edition 3 of IEC 60127-1, prepared by SC 32C "Miniature fuses" of IEC/TC 32 "Fuses" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60127-1:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2025-10-31
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2027-10-31

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Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

**Endorsement notice**

The text of the International Standard IEC 60127-1:2023 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standard indicated:

- IEC 60062:2016 NOTE Approved as EN 60062:2016 (not modified)
- IEC 60127-2:2014 NOTE Approved as EN 60127-2:2014 (not modified)
- IEC 60127-3:2015 NOTE Approved as EN 60127-3:2015 (not modified)
- IEC 60127-4:2005 NOTE Approved as EN 60127-4:2005 (not modified)
- IEC 60127-6:2014 NOTE Approved as EN 60127-6:2014 (not modified)
- IEC 60127-7:2015 NOTE Approved as EN 60127-7:2016 (not modified)
- IEC 60269 (series) NOTE Approved as EN 60269 (series)

## Annex ZA (normative)

### Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cencenelec.eu](http://www.cencenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60038	-	IEC standard voltages	EN 60038	-
IEC 60127-6	2014	Miniature fuses - Part 6: Fuse-holders for miniature fuse-links	EN 60127-6	2014

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IEC 60127-1

Edition 3.0 2023-10

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Miniature fuses –  
Part 1: Definitions for miniature fuses and general requirements for miniature  
fuse-links**

**Coupe-circuits miniatures –  
Partie 1: Définitions pour coupe-circuits miniatures et exigences générales pour  
éléments de remplacement miniatures**

<https://standards.iteh.ai/catalog/standards/sist/7b2823b4-8297-4bd2-b611-cb307829a74f/sist-en-iec-60127-1-2025>

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## MINIATURE FUSES –

**Part 1: Definitions for miniature fuses and  
general requirements for miniature fuse-links**

## FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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IEC 60127-1 has been prepared by subcommittee 32C: Miniature fuses, of IEC technical committee 32: Fuses. It is an International Standard.

This third edition cancels and replaces the second edition published in 2006, Amendment 1:2011 and Amendment 2:2015. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) modification of 6.3 to clarify the marking items;
- b) modification of 9.3.1 to introduce a tolerance for the prospective current for the breaking capacity test;
- c) deletion of contents of 9.6, Pulse test;
- d) deletion of Annex C;
- e) addition of new Annex C user guide for miniature fuse-links.

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

Draft	Report on voting
32C/615/FDIS	32C/624/RVD

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 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](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

A list of all parts in the IEC 60127 series, published under the general title *Miniature fuses*, can be found on the IEC website.

This Part 1 of the IEC 60127 series covers definitions, general requirements and tests applicable to all types of miniature fuses (e.g. cartridge fuse-links, sub-miniature fuse-links, universal modular fuse-links and miniature fuse-links for special applications). All subsequent parts of the complete series are to be read in conjunction with this Part 1.

IEC 60127 consists of the following parts:

IEC 60127-1, *Miniature fuses – Part 1: Definitions for miniature fuses and general requirements for miniature fuse-links*

IEC 60127-2, *Miniature fuses – Part 2: Cartridge fuse-links*

IEC 60127-3, *Miniature fuses – Part 3: Sub-miniature fuse-links*

IEC 60127-4, *Miniature fuses – Part 4: Universal modular fuse-links (UMF) – Through-hole and surface mount types*

IEC 60127-5, *Miniature fuses – Part 5: Guidelines for quality assessment of miniature fuse-links*

IEC 60127-6, *Miniature fuses – Part 6: Fuse-holders for miniature fuse-links*

IEC 60127-7, *Miniature fuses – Part 7: Miniature fuse-links for special applications*

IEC 60127-8, *Miniature fuses – Part 8: Fuse resistors with particular overcurrent protection*

IEC 60127-9, (free for further documents)

IEC 60127-10, Moved to IEC 60127-1 as Annex C.

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](https://webstore.iec.ch) in the data related to the specific document. At this date, the document will be

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