

### SLOVENSKI STANDARD SIST EN 60127-5:2017

01-maj-2017

Nadomešča:

SIST EN 60127-5:1995

Miniaturne varovalke - 5. del: Smernice za ocenjevanje kakovosti miniaturnih taljivih varovalk (IEC 60127-5:2016)

Miniature fuses - Part 5: Guidelines for quality assessment of miniature fuse-links (IEC 60127-5:2016)

Geräteschutzsicherungen Teil 5. Leitlinien für die Gütebestätigung von G-Sicherungseinsätzen (IEC 60127-5:2016) (Standards.iteh.ai)

Coupe-circuit miniatures - Partie 5: <u>Directives pour l'évaluation</u> de la qualité des éléments de remplacement miniatures (<u>IEO 6012745:2016</u>) 373-4055-a2ed-8f0d74727571/sist-en-60127-5-2017

Ta slovenski standard je istoveten z: EN 60127-5:2017

ICS:

29.120.50 Varovalke in druga

medtokovna zaščita prot

Fuses and other overcurrent

protection devices

SIST EN 60127-5:2017

en,fr,de

SIST EN 60127-5:2017

## iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>SIST EN 60127-5:2017</u> https://standards.iteh.ai/catalog/standards/sist/b446c6c9-1373-4055-a2ed-8f0d74727571/sist-en-60127-5-2017 EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM EN 60127-5

February 2017

ICS 29.120.50

Supersedes EN 60127-5:1991

#### **English Version**

# Miniature fuses - Part 5: Guidelines for quality assessment of miniature fuse-links (IEC 60127-5:2016)

Coupe-circuit miniatures - Partie 5: Lignes directrices pour l'évaluation de la qualité des éléments de remplacement miniatures (IEC 60127-5:2016) Geräteschutzsicherungen - Teil 5: Leitlinien für die Qualitätsbewertung von G-Sicherungseinsätzen (IEC 60127-5:2016)

This European Standard was approved by CENELEC on 2016-12-09. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

#### SIST EN 60127-5:2017

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



European Committee for Electrotechnical Standardization Comité Européen de Normalisation Electrotechnique Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

### **European foreword**

The text of document 32C/526/FDIS, future edition 2 of IEC 60127-5, 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 60127-5:2017.

The following dates are fixed:

- latest date by which the document has to be implemented at (dop) 2017-09-09 national level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with (dow) 2019-12-09 the document have to be withdrawn

This document supersedes EN 60127-5:1991.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

iTeh STANDARD PREVIEW

(standards.iteh.ai)

### **Endorsement notice**

SIST EN 60127-5:2017

https://standards.iteh.ai/catalog/standards/sist/b446c6c9-1373-4055-a2ed-

8f0d74727571/sist-en-60127-5-2017

The text of the International Standard IEC 60127-5:2016 was approved by CENELEC as a European Standard without any modification.

### Annex ZA

(normative)

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

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When 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: <a href="https://www.cenelec.eu">www.cenelec.eu</a>.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
IEC 60127-1	2006	Miniature fuses - Part 1: Definitions for	EN 60127-1	2006
+ A1	2011	miniature fuses and general requirements for miniature fuse-links	+ A1	2011
+ A2	20151	STANDARD PREVIE	₩ A2	2015
IEC 60127-2	2014	Miniature fuses - Part 2: Cartridge fuse- links	EN 60127-2	2014
IEC 60127-3	2015	Miniature fuses 6(Part 32Sub-miniature	EN 60127-3	2015
https://standards/htsealinkslog/standards/sist/b446c6c9-1373-4055-a2ed-				
IEC 60127-4	2005	Miniature fuses ist Part 4! Universal	EN 60127-4	2005
+ A1	2008	modular fuse-links (UMF) - Through- hole and surface mount types	+ A1	2009
+ A2	2012		+ A2	2013
IEC 60127-7	2015	Miniature fuses - Part 7: Miniature fuse- links for special applications	EN 60127-7	2016

SIST EN 60127-5:2017

## iTeh STANDARD PREVIEW (standards.iteh.ai)

<u>SIST EN 60127-5:2017</u> https://standards.iteh.ai/catalog/standards/sist/b446c6c9-1373-4055-a2ed-8f0d74727571/sist-en-60127-5-2017



IEC 60127-5

Edition 2.0 2016-11

## INTERNATIONAL STANDARD

## NORME INTERNATIONALE

### Miniature fuses - iTeh STANDARD PREVIEW

Part 5: Guidelines for quality assessment of miniature fuse-links

Coupe-circuit miniatures – SISTEN 60127-5:2017

Partie 5: Lignes directrices pour l'évaluation de la qualité des éléments de remplacement miniatures 8f0d74727571/sist-en-60127-5-2017

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

ICS 29.120.50 ISBN 978-2-8322-3716-8

Warning! Make sure that you obtained this publication from an authorized distributor.

Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.

### CONTENTS

$\Gamma$	JKEWU		
١N	ITRODU	JCTION	5
1	Scop	pe	6
2	Norn	native references	6
3	Term	ns and definitions	6
4	Lot-k	py-lot inspection	7
	4.1	Test conditions	
	4.2	Non-destructive tests	
	4.3	Destructive tests	7
	4.3.1	Destructive tests for IEC 60127-2 and IEC 60127-3	7
	4.3.2	Destructive tests for IEC 60127-4	8
	4.3.3	B Destructive tests for IEC 60127-7	8
	4.4	Acceptance criteria	9
5	Perio	odic inspection	9
	5.1	Reduced type tests for IEC 60127-2 or IEC 60127-3	9
	5.2	Reduced type tests for IEC 60127-4	
	5.3	Reduced type tests for IEC 60127-7	
Bi	bliogra	iTeh STANDARD PREVIEW	12
Τá	able 1 –	Primary characteristics (inspection level II) (Samples may be returned to the lot	_
		ection)	7
T (	able 2 (1 FC 601:	for IEC 60127-2 and IEC 60127-37 = 60127-5017 27-1:2006, 9:2.19 (Inspection level \$4, destructive test) 3-4055-a2cd- 8f0d74727571/sist-en-60127-5-2017	8
Τá	able 3 (1	for IEC 60127-4) – Time/current characteristic (IEC 60127-1:2006, 9.2.1) on level S4, destructive test)	
		for IEC 60127-7) – Time/current characteristic (IEC 60127-1:2006, 9.2.1) – on level S4, destructive test)	9
Та	able 5 –	Reduced type tests for IEC 60127-2 or IEC 60127-3	9
Ta	able 6 –	Reduced type tests for IEC 60127-4	10
т,	ahla 7	Reduced type tests for IEC 60127.7	11

### INTERNATIONAL ELECTROTECHNICAL COMMISSION

### **MINIATURE FUSES -**

### Part 5: Guidelines for quality assessment of 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.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies. Ssist b446c6c9-1373-4055-a2ed-
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60127-5 has been prepared by subcommittee 32C: Miniature fuses, of IEC technical committee 32: Fuses.

This second edition cancels and replaces the first edition published in 1988. This edition constitutes a technical revision.

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

- a) addition of new tables in 4.3;
- b) addition of new tables in Clause 5.

The text of this standard is based on the following documents:

FDIS	Report on voting	
32C/526/FDIS	32C/530/RVD	