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Miniatur fuses - Part 2: Cartridge fuse-links (IEC 60127-2:2003/A1:2003)

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English version

**Miniature fuses**  
**Part 2: Cartridge fuse-links**  
(IEC 60127-2:2003/A1:2003)

Coupe-circuit miniatures  
Partie 2: Cartouches  
(CEI 60127-2:2003/A1:2003)

Geräteschutzsicherungen  
Teil 2: Sicherungseinsätze  
(IEC 60127-2:2003/A1:2003)

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This amendment A1 modifies the European Standard EN 60127-2:2003; it was approved by CENELEC on 2003-10-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment the status of a national standard without any alteration.

<https://standards.iteh.ai/catalog/standards/sist/06806e71-9750-489d-9e09-172268139071/sist-en-60127-2-2004-a1-2004>

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

This amendment 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, Spain, Sweden, Switzerland and United Kingdom.

**CENELEC**

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

**Central Secretariat: rue de Stassart 35, B - 1050 Brussels**

## Foreword

The text of document 32C/338/FDIS, future amendment 1 to IEC 60127-2:2003, prepared by SC 32C, Miniature fuses, of IEC TC 32, Fuses, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 60127-2:2003 on 2003-10-01.

The following dates were fixed:

- latest date by which the amendment has to be implemented  
at national level by publication of an identical  
national standard or by endorsement (dop) 2004-07-01
- latest date by which the national standards conflicting  
with the amendment have to be withdrawn (dow) 2006-10-01

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## Endorsement notice

The text of amendment 1:2003 to the International Standard IEC 60127-2:2003 was approved by CENELEC as an amendment to the European Standard without any modification.

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**NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD**

**CEI  
IEC**

**60127-2**

2003

AMENDEMENT 1  
AMENDMENT 1  
2003-09

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Amendement 1

**Coupe-circuit miniatures –**

**Partie 2:  
Cartouches**

Amendment 1

**Miniature fuses –**

**Part 2:  
Cartridge fuse-links**

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Commission Electrotechnique Internationale  
International Electrotechnical Commission  
Международная Электротехническая Комиссия

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For price, see current catalogue

## FOREWORD

This amendment has been prepared by subcommittee 32C: Miniature fuses, of IEC technical committee 32: Fuses.

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

FDIS	Report on voting
32C/338/FDIS	32C/344/RVD

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

The committee has decided that the contents of the base publication and its amendments will remain unchanged until 2006. At this date, the publication will be

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

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Page 15

### 7.3.1 Fuse-bases for tests

*Replace in the first line of the fourth paragraph of this subclause "up to and including 10 A" with "up to and including 6,3 A".*

*Replace in the first line of the fifth paragraph of this subclause "exceeding 10 A" with "exceeding 6,3 A".*

Page 23

**Figure 1 – Test fuse-base for 5 mm x 20 mm and 6,3 mm x 32 mm fuse-links –  
Rated currents up to and including 10 A (see 7.3.1)**

*Replace, in the title of this figure, "10 A" with "6,3 A".*

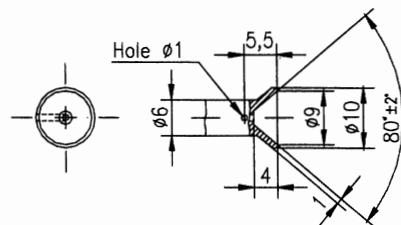
<https://standards.iteh.ai/catalog/standards/sist/06806e71-9750-489d-9e09-172268139071/sist-en-60127-2-2004-a1-2004>

Page 25

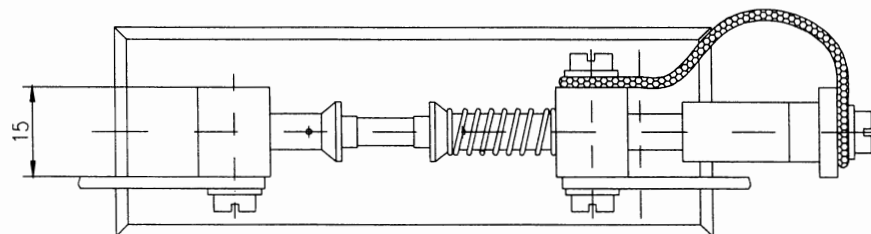
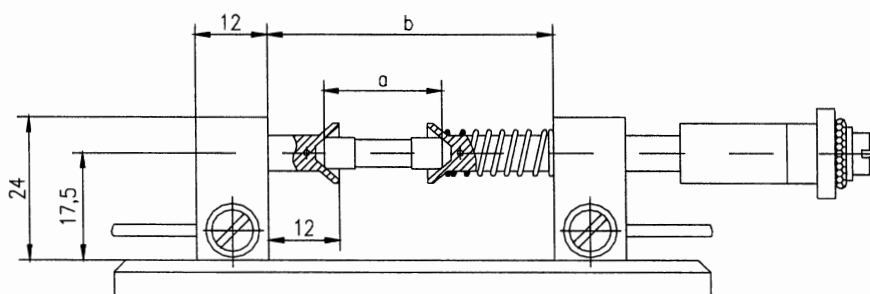
**Figure 2 – Test fuse-base for 6,3 mm x 32 mm fuse-links –  
Rated currents exceeding 10 A (see 7.3.1)**

*Replace this figure and its title with the following new Figure 2:*

Dimensions in millimetres with tolerances of 0,1 mm



Fuse-links	a/mm	b/mm
5 mm x 20 mm	20	48
6,3 mm x 32 mm	32	60



IEC 2332/02

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**Figure 2 – Test fuse-base for 5 mm x 20 mm and 6,3 mm x 32 mm fuse-links –  
Rated currents exceeding 6,3 A (see 7.3.1)**

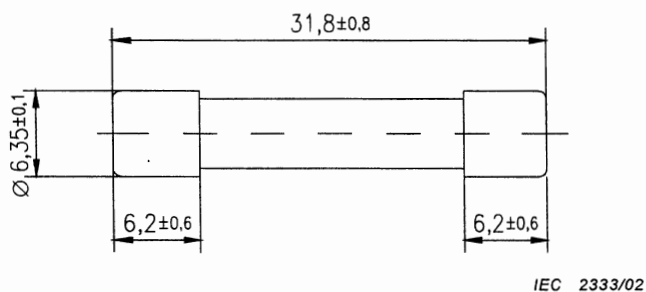
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Page 45

**10 Standard sheets**

Replace, on page 51, in Standard Sheet 4, the existing figure of a 6,3 mm x 32 mm fuse-link with the following new figure:



Replace the existing standard sheets 1, 2, 3, 5 and 6 by the following new standard sheets:

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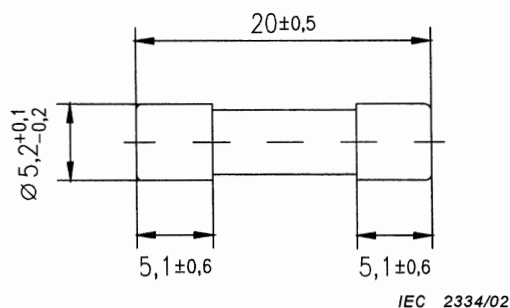
SIST EN 60127-2:2004/A1:2004

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	<b>Fuse-links 5 mm x 20 mm</b> <b>Quick-acting</b> <b>High-breaking capacity</b>	<b>Standard she</b> <b>1</b> <b>Page 1</b>
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Dimensions in millimetres



**Alignment:** The dimensions of the gauge are as follows:  $h = 30$  mm;  $d = 5,38$  mm  $\pm 0,01$  mm (see 8.4).

**Construction:** The fuse-link shall be non-transparent.

Rated current <sup>a</sup>	Rated voltage V	Maximum voltage drop mV	Maximum sustained power dissipation W <sup>b</sup>
50 mA 63 mA 80 mA 100 mA 125 mA 160 mA 200 mA	250	10000 8800 7600 7000 5000 4300 3500	1,6
250 mA 315 mA 400 mA 500 mA 630 mA 800 mA		2800 2500 2000 1800 1500 1200 1000	2,5
1,25 A 1,6 A 2 A 2,5 A 3,15 A 4 A 5 A 6,3 A 8 A 10 A		800 600 500 400 350 300 250 200 200 200	4
SIST EN 60127-2:2004/A1:2004			

<sup>a</sup> Intermediate values shall be chosen from the R 20 series according to ISO 3.

<sup>b</sup> Measured after 1 h (for ratings above 6,3 A after 30 min) at 1,5 I<sub>N</sub>.

#### Marking

Fuse-links shall be marked with the following:

- rated current;
- rated voltage;
- manufacturer's name or trade mark;
- characteristic symbol F;
- breaking capacity symbol H.