



SLOVENSKI STANDARD
SIST EN 62271-1:2009/A1:2011
01-oktober-2011

Visokonapetostne stikalne in krmilne naprave - 1. del: Skupne specifikacije (IEC 62271-1:2007/A1:2011)

High-voltage switchgear and controlgear - Part 1: Common specifications (IEC 62271-1:2007/A1:2011)

Hochspannungs-Schaltgeräte und -Schaltanlagen - Teil 1: Gemeinsame Bestimmungen (IEC 62271-1:2007/A1:2011)

Appareillage à haute tension - Partie 1: Spécifications communes (CEI 62271-1:2007/A1:2011)

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Ta slovenski standard je istoveten z: EN 62271-1:2008/A1:2011

ICS:

29.130.10	Visokonapetostne stikalne in krmilne naprave	High voltage switchgear and controlgear
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SIST EN 62271-1:2009/A1:2011 **en**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 62271-1/A1

August 2011

ICS 29.130.10; 29.130.99

English version

**High-voltage switchgear and controlgear -
Part 1: Common specifications
(IEC 62271-1:2007/A1:2011)**

Appareillage à haute tension -
Partie 1: Spécifications communes
(CEI 62271-1:2007/A1:2011)

Hochspannungs-Schaltgeräte und -
Schaltanlagen -
Teil 1: Gemeinsame Bestimmungen
(IEC 62271-1:2007/A1:2011)

iTeh STANDARD PREVIEW

This amendment A1 modifies the European Standard EN 62271-1:2008; it was approved by CENELEC on 2011-07-21. 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.

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, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 17A/962/FDIS, future amendment 1 to IEC 62271-1:2007, prepared by SC 17A, High-voltage switchgear and controlgear, of IEC TC 17, Switchgear and controlgear, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 62271-1:2008 on 2011-07-21.

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

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) 2012-04-21
- latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2014-07-21

Endorsement notice

The text of amendment 1:2011 to the International Standard IEC 62271-1:2007 was approved by CENELEC as an amendment to the European Standard without any modification.

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 1
AMENDEMENT 1

High-voltage switchgear and controlgear –
Part 1: Common specifications

Appareillage à haute tension –
Partie 1: Spécifications communes

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FOREWORD

This amendment has been prepared by subcommittee 17A: High-voltage switchgear and controlgear, of IEC technical committee 17: Switchgear and controlgear.

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

FDIS	Report on voting
17A/962/FDIS	17A/970/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 this publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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

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2.1.2 Outdoor switchgear and controlgear

Add the following new text at the end of Note 1:

... and design pressure limits.

4.1.2 Range II for rated voltages above 245 kV

Replace the existing text of this subclause by the new following text:

300 kV – 362 kV – 420 kV – 550 kV – 800 kV – 1 100 kV – 1 200 kV.

Table 2a – Rated insulation levels for rated voltages of range II

Add, before Note 1, the following two new lines to the existing Table 2a:

1 100	1 100	1 100	1 550	2 635	1 550 + (900)	2 250	2 250 +(630)
		1 100 + (635)	1 800	2 880	1 675 + (900)	2 400	2 400 +(630)
1 200	1 200	1 200	1 800	2 970	1 675 + (980)	2 400	2 400 +(685)
		1 200 + (695)	1 950	3 120		2 550	2 550+(685)

4.6 Rated peak withstand current (I_p)

Add the following new sentence at the end of the second paragraph:

For switchgear with rated voltages higher than 800 kV the d.c. time constant is 120 ms and the rated peak withstand current equal to 2,7 times the rated short-time withstand current.

6.6.2 Test current and duration

Replace the third paragraph of this subclause by the following new paragraph:

The test current I_t shall in principle be applied for a time t_t equal to the rated duration t_k of short circuit with a tolerance of the a.c. component of $\pm 5\%$. If this cannot be achieved due to limitations of the test plant, the following alternative procedure applies.

Table F.1 – Tolerances on test quantities for type tests

On the existing line for subclause 6.6, row “Average of a.c. component of three-phase test current”, column “Test tolerances”, replace “ $\pm 5\%$ ” by “see tolerances for I^2t in 6.6.2”.