



SLOVENSKI STANDARD
SIST EN 62271-102:2002/A2:2013
01-julij-2013

Visokonapetostne stikalne in krmilne naprave - 102. del: Ločilna stikala za izmenični tok in ozemljitvena stikala (IEC 62271-102:2001/A2:2013)

High-voltage switchgear and controlgear - Part 102: Alternating current disconnectors and earthing switches (IEC 62271-102:2001/A2:2013)

Hochspannungs-Schaltgeräte und -Schaltanlagen - Teil 102: Wechselstrom-Trennschalter und -Erdungsschalter (IEC 62271-102:2001/A2:2013)

Appareillage à haute tension - Partie 102: Sectionneurs et sectionneurs de terre à courant alternatif (CEI 62271-102:2001/A2:2013)

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Ta slovenski standard je istoveten z: EN 62271-102:2002/A2:2013

ICS:

29.130.10	Visokonapetostne stikalne in krmilne naprave	High voltage switchgear and controlgear
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SIST EN 62271-102:2002/A2:2013 **en**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 62271-102/A2

May 2013

ICS 29.130.10; 29.130.99

English version

**High-voltage switchgear and controlgear -
Part 102: Alternating current disconnectors and earthing switches
(IEC 62271-102:2001/A2:2013)**

Appareillage à haute tension -
Partie 102: Sectionneurs et sectionneurs
de terre à courant alternatif
(CEI 62271-102:2001/A2:2013)

Hochspannungs-Schaltgeräte und -
Schaltanlagen -
Teil 102: Wechselstrom-Trennschalter
und -Erdungsschalter
(IEC 62271-102:2001/A2:2013)

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This amendment A2 modifies the European Standard EN 62271-102:2002; it was approved by CENELEC on 2013-03-21. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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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/1029/FDIS, future edition 1 of IEC 62271-102:2001/A2, 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 approved by CENELEC as EN 62271-102:2002/A2:2013.

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) 2013-12-21
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-03-21

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iTeh **Endorsement notice** STANDARD PREVIEW

The text of the International Standard IEC 62271-102:2001/A2:2013 was approved by CENELEC as a European Standard without any modification.

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IEC 62271-102

Edition 1.0 2013-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE



AMENDMENT 2
AMENDEMENT 2

High-voltage switchgear and controlgear –
Part 102: Alternating current disconnectors and earthing switches

Appareillage à haute tension –
Partie 102: Sectionneurs et sectionneurs de terre à courant alternatif

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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/1029/FDIS	17A/1035/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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IMPORTANT – The 'colour inside logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

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Table 1 – Recommended contact zones for "fixed" contacts supported by flexible conductors

Add the following new lines to the existing Table 1:

800	250	650	450	550
1 100	300	700	500	600
1 200	300	700	500	600

Table 2 – Recommended contact zones for "fixed" contacts supported by rigid conductors

Add the following new lines to the existing Table 2:

1 100	250	250	250
1 200	250	250	250

Table 3 – Recommended static mechanical terminal loads

Add the following new lines to the existing Table 3:

1 100 – 1 200	≤ 4 000	2 000	660	4 000	1 600	2 000
	> 4 000	2 500	1 000	5 000	2 000	

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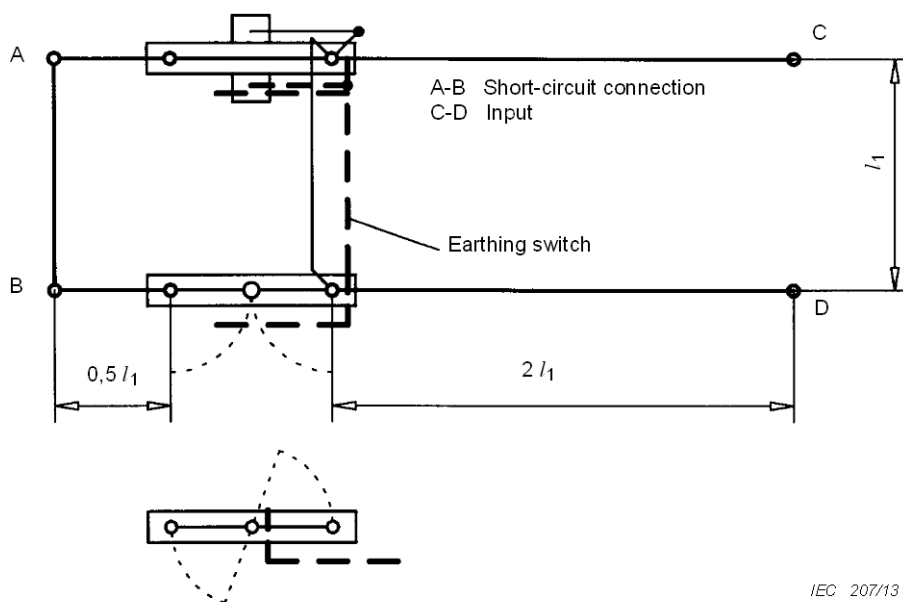
Table 5 – Power frequency 1 min withstand voltages

Add the following new lines to the existing Table 5:

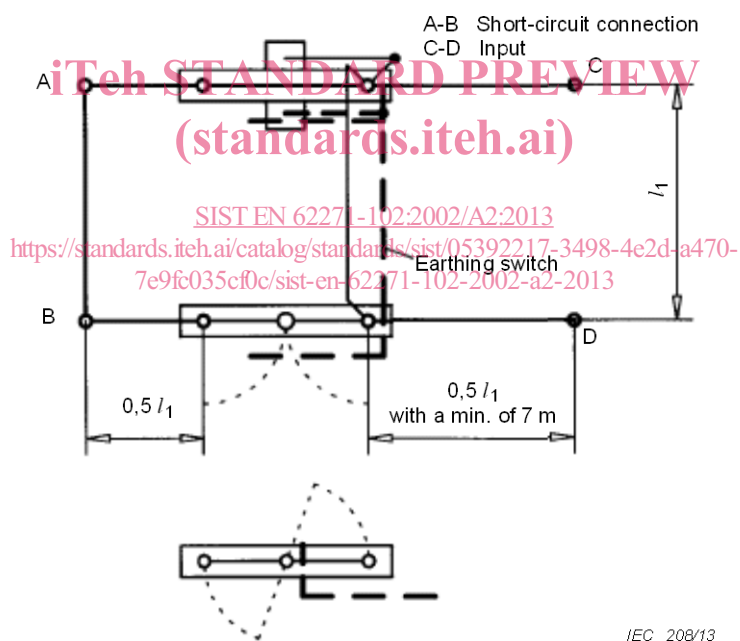
1 100	1 270	-
1 200	1 386	-

Figure 4 – Single-phase test arrangement for disconnectors with a horizontal isolating distance and for earthing switches with rated voltage of 52 kV and above

Replace the existing Figure 4 by the following new figure:



a) Test arrangement for disconnectors rated 52 kV to 550 kV



b) Test arrangement for disconnectors rated above 550 kV

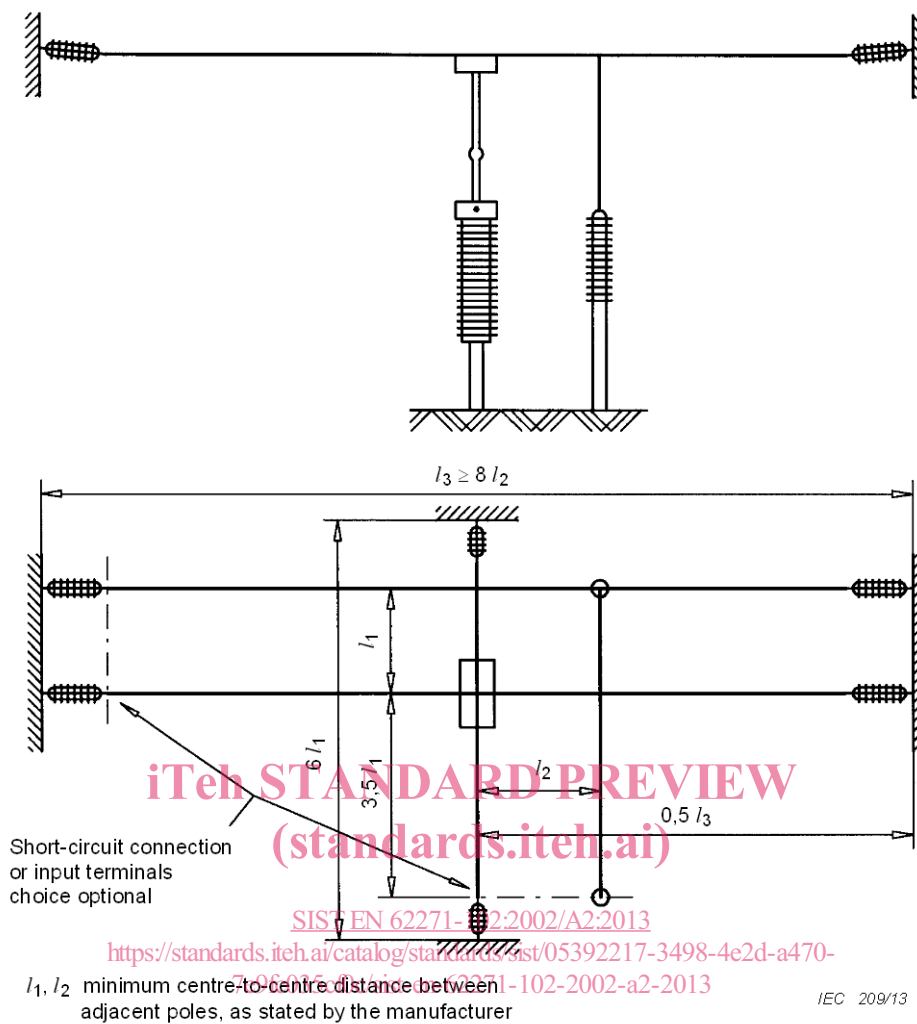
Key

l_1 minimum centre-to-centre distance between adjacent poles, as stated by the manufacturer

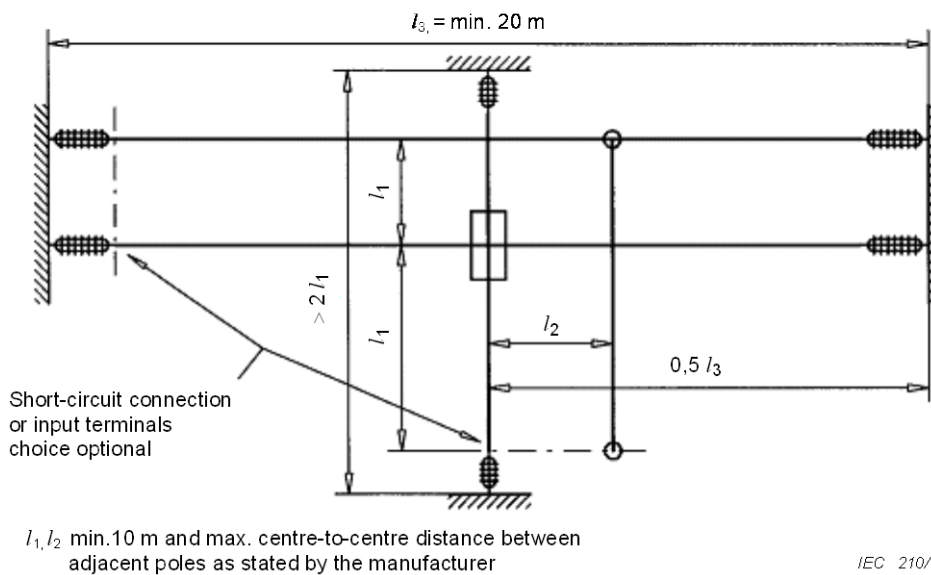
Figure 4 – Single-phase test arrangement for disconnectors with a horizontal isolating distance and for earthing switches with rated voltage of 52 kV and above

Figure 5 – Single-phase test arrangement for divided support disconnectors (earthing switches) with a vertical isolating distance with rated voltages of 52 kV and above to be used with flexible conductors

Replace the existing Figure 5 by the following new figure:



a) Test arrangement for disconnectors rated 52 kV to 550 kV



b) Test arrangement for disconnectors rated above 550 kV

Figure 5 – Single-phase test arrangement for divided support disconnectors (earthing switches) with a vertical isolating distance with rated voltages of 52 kV and above to be used with flexible conductors