
**Statični kompenzatorji jalove energije (var) - Preskušanje tiristorskih elektronk
(IEC 61954:2011/A1:2013)**

Static VAR compensators (SVC) - Testing of thyristor valves (IEC 61954:2011/A1:2013)

Statische Blindleistungskompensatoren (SVC) - Prüfung von Thyristorventilen (IEC 61954:2011/A1:2013)

Compensateurs statiques de puissance réactive (SVC) - Essais des valves à thyristors
(IEC 61954:2011/A1:2013)

iTeh STANDARD PREVIEW

(standards.iteh.ai)

SIST EN 61954:2011/A1:2016

Ta slovenski standard je istoveten z: **EN 61954:2011/A1:2013**

<https://standards.iteh.ai/catalog/standards/sist/3b9dbfe2-d011-422f-aafa-4da05c5294a3/sist-en-61954-2011-a1-2016>

ICS:

29.240.99	Druga oprema v zvezi z omrežji za prenos in distribucijo električne energije	Other equipment related to power transmission and distribution networks
31.080.20	Tiristorji	Thyristors

SIST EN 61954:2011/A1:2016**en**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61954/A1

September 2013

ICS 29.240.99; 31.080.20

English version

**Static VAR compensators (SVC) -
Testing of thyristor valves
(IEC 61954:2011/A1:2013)**

Compensateurs statiques de puissance
réactive (SVC) -
Essais des valves à thyristors
(CEI 61954:2011/A1:2013)

Statische Blindleistungskompensatoren
(SVC) -
Prüfung von Thyristorventilen
(IEC 61954:2011/A1:2013)

iTeh STANDARD PREVIEW

This amendment A1 modifies the European Standard EN 61954:2011; it was approved by CENELEC on 2013-05-31. 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.

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CENELEC

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

Foreword

The text of document 22F/274/CDV, future IEC 61954:2011/A1, prepared by SC 22F, "Power electronics for electrical transmission and distribution systems", of IEC TC 22, "Power electronic systems and equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61954:2011/A1:2013.

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) 2014-03-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2016-05-31

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Endorsement notice

The text of the International Standard IEC 61954:2011/A1:2013 was approved by CENELEC as a European Standard without any modification.

SIST EN 61954:2011/A1:2016

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INTERNATIONAL STANDARD

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AMENDMENT 1
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Static var compensators (SVC) – Testing of thyristor valves

Compensateurs statiques de puissance réactive (SVC) – Essais des valves à thyristors

[SIST EN 61954:2011/A1:2016](https://standards.iteh.ai/catalog/standards/sist/3b9dbfe2-d011-422f-aafa-4da65c5294a3/sist-en-61954-2011-a1-2016)

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FOREWORD

This amendment has been prepared by subcommittee 22F: Power electronics for electrical transmission and distribution systems, of IEC technical committee 22: Power electronic systems and equipment.

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

CDV	Report on voting
22F/274/CDV	22F/287A/RVC

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 amendment and the base 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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4.4.1.3 Operational tests

<https://standards.itech.ai/catalog/standards/sist/3b9dbfe2-d011-422f-aafa-4da65c5294a3/sist-en-61954-2011-a1-2016>

Add, at the end of 4.4.1.3, the following new sentence:

The atmospheric correction factors are not applicable to operational tests.

5.3.2.2 Test values and waveshapes

Replace, in the first sentence of the second paragraph, the words "the smaller of U_{tv11} and U_{tv12} " by "the smallest of U_{tv11} , U_{tv12} or U_{tv13} ".

Replace, in the text under Equation (7), " $k_{s13} = 1,3$ " by " $k_{s13} = 1,15$ ".

Add, at the end of the Note under Equation (7) the following new sentence:

More onerous test values for U_{tv13} can be agreed between the purchaser and supplier.

5.3.3.2 Test values and waveshapes**c) Test 3**

Replace, in the text under Equation (12), " $k_s = 1,3$ " by " $k_s = 1,15$ ".

6.3.2.2 Test values and waveshapes**a) Test voltage U_{tv1} , 1 min**

Replace, in the text under Equation (29), " $k_{s1} = 1,30$ if no arrester is fitted" by " $k_{s1} = 1,15$ if no arrester is fitted".

6.3.3.2 Test values and waveshapes**b) Valves not protected by surge arrestors**

Replace, in the text under Equation (35), " $k_s = 1,3$ " by " $k_s = 1,15$ ".

9.3.2 Test values and waveshapes**c) Valve with no protection provided**

Replace, in the text under Equation (40), " $k_s = 1,3$ " by " $k_s = 1,15$ ".

10.2.2 Test values and waveshapes**b) Valve with no protection provided**

Replace, in the text under Equation (43), " $k_s = 1,3$ " by " $k_s = 1,15$ ".