



SLOVENSKI STANDARD

SIST EN 61621:2001

01-marec-2001

Dry, solid insulating materials - Resistance test to high-voltage, low-current arc discharges (IEC 61261:1997)

Dry, solid insulating materials - Resistance test to high-voltage, low-current arc discharges

Trockene, feste Isolierstoffe - Prüfung der Lichtbogenbeständigkeit bei hoher Spannung und niedrigem Strom

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Matériaux isolants solides secs - Essai de résistance aux décharges à l'arc haute tension, faible courant

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Ta slovenski standard je istoveten z: EN 61621:1997

ICS:

29.035.01

Izolacijski materiali na
splošno

Insulating materials in
general

SIST EN 61621:2001

en

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EUROPEAN STANDARD

EN 61621

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 1997

ICS 29.035.01

Descriptors: Insulation, electrical insulation, electrical resistance, insulation resistance, electrical tests, impulse-voltage tests, electric discharges, electric arcs, high voltage tests, low voltage, tests

English version

**Dry, solid insulating materials - Resistance test to high-voltage,
low-current arc discharges
(IEC 61621:1997)**

Matériaux isolants solides secs
Essai de résistance aux décharges à
l'arc haute tension, faible courant
(CEI 61621:1997)

Trockene, feste Isolierstoffe
Prüfung der Lichtbogenbeständigkeit bei
hoher Spannung und niedrigem Strom
(IEC 61621:1997)

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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.

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CENELEC members are the national electrotechnical committees of Austria, Belgium, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, 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 15E/56/FDIS, future edition 1 of IEC 61621, prepared by SC 15E, Methods of test, of IEC TC 15, Insulating materials, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61621 on 1997-10-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 1998-07-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1998-07-01

Annexes designated "normative" are part of the body of the standard.
In this standard, annex ZA is normative.
Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61621:1997 was approved by CENELEC as a European Standard without any modification.

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Annex ZA (normative)

Normative references to international publications
with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

NOTE: When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60112	1979	Method for determining the comparative and the proof tracking indices of solid insulating materials under moist conditions	HD 214 S2	1980
IEC 60212	1971	Standard conditions for use prior to and during the testing of solid electrical insulating materials	HD 437 S1	1984
IEC 60587	1984	Test methods for evaluating resistance to tracking and erosion of electrical insulating materials used under severe ambient conditions	HD 380 S2	1987
IEC 61302	1995	Electrical insulating materials - Method to evaluate the resistance to tracking and erosion - Rotating wheel dip test	EN 61302	1995

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

61621

Première édition
First edition
1997-09

**Matériaux isolants solides secs –
Essai de résistance aux décharges à l'arc
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International Electrotechnical Commission
Международная Электротехническая Комиссия

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CONTENTS

	Page
FOREWORD	5
Clause	
1 Scope	7
2 Normative references	7
3 Definitions	9
4 Apparatus	9
4.1 Test circuit	9
4.2 Electrodes and electrode assembly	13
4.3 Test chamber	15
4.4 Calibration	15
5 Specimens	15
6 Conditioning	15
7 Procedure	15
8 Results	17
9 Report	17
SIST EN 61621:2001	
Table 1 – Sequence of 1 min steps	19
Figures	
1 Example for electrical circuit	21
2 Electrode mounted in a shank (example)	23
3 Electrode assembly (example)	25

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**DRY, SOLID INSULATING MATERIALS –
RESISTANCE TEST TO HIGH-VOLTAGE,
LOW-CURRENT ARC DISCHARGES**

FOREWORD

- 1) The IEC (International Electrotechnical Commission) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of the 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, the IEC publishes International Standards. 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. The IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 61621 has been prepared by subcommittee 15E: Methods of test, of IEC technical committee 15: Insulating materials.

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

FDIS	Report on voting
15E/56/FDIS	15E/90/RVD

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