National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 61621:1999**

ICS 17.220.99
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# DRY, SOLID INSULATING MATERIALS - RESISTANCE TEST TO HIGH-VOLTAGE, LOW-CURRENT ARC DISCHARGES (IEC 61621:1997)

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# EUROPEAN STANDARD
# NORME EUROPÉENNE
# EUROPÄISCHE NORM

# EN 61621

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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)

This European Standard was approved by CENELEC on 1997-10-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard 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.

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CENELEC

European Committee for Electrotechnical Standardization
Comite Europeen de Normalisation Electrotechnique
Europaisches 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- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1998-07-01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.

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## 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.

| Publication | Year | Title | EN/HD | Year |
|---|---|---|---|---|
| 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 |