



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 60427:2000**

ICS 29.130.10

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**SYNTHETIC TESTING OF HIGH-VOLTAGE  
ALTERNATING CURRENT  
CIRCUIT-BREAKERS (IEC 60427:2000)**

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EUROPEAN STANDARD

**EN 60427**

NORME EUROPÉENNE

EUROPÄISCHE NORM

May 2000

ICS 29.130.10

Supersedes EN 60427.1992 + A1:1993 + A2:1995

English version

## **Synthetic testing of high-voltage alternating current circuit-breakers (IEC 60427:2000)**

Essais synthétiques des disjoncteurs  
à courant alternatif à haute tension  
(CEI 60427:2000)

Synthetische Prüfung von  
Hochspannungs-Wechselstrom-  
Leistungsschaltern  
(IEC 60427:2000)

This European Standard was approved by CENELEC on 2000-02-01. 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.

This European Standard 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, 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 17A/559/FDIS, future amendment to IEC 60427:1989, 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 A3 to EN 60427:1992 on 2000-02-01.

The text of this document, together with that of IEC 60427:1989 and its amendments 1:1992 and 2:1995, was published by IEC as the third edition of IEC 60427 in April 2000. According to a decision of principle taken by the Technical Board of CENELEC, the approval of EN 60427:1992/A3 has been converted into the approval of a new EN 60427.

This European Standard supersedes EN 60427:1992 and its amendments A1:1993 and A2:1995.

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) 2001-02-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2003-02-01

Annexes designated "normative" are part of the body of the standard.

Annexes designated "informative" are given for information only.

In this standard, annexes EE, GG and ZA are normative and annexes AA, BB, CC, DD, FF and HH are informative.

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 60427:2000 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 60050-441	1984	International Electrotechnical Vocabulary (IEV) Chapter 441: Switchgear, controlgear and fuses	-	-
IEC 60056 (mod)	1987	High-voltage alternating-current circuit-breakers	HD 348 S7 <sup>1)</sup>	1998
IEC 61633	1995	High-voltage alternating current circuit-breakers - Guide for short-circuit and switching test procedures for metal-enclosed and dead tank circuit-breakers	-	-

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1) HD 348 S7 includes A3:1996 to IEC 60056.



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