



National Standards Authority of Ireland

IRISH STANDARD

I.S EN 60679-1:2007

ICS 31.140

**QUARTZ CRYSTAL CONTROLLED
OSCILLATORS OF ASSESSED QUALITY --
PART 1: GENERIC SPECIFICATION (IEC
60679-1:2007 (EQV))**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 60679-1

June 2007

ICS 31.140

Supersedes EN 60679-1:1998 + A1:2002 + A2:2003

English version

**Quartz crystal controlled oscillators of assessed quality -
Part 1: Generic specification
(IEC 60679-1:2007)**

Oscillateurs pilotés par quartz
sous assurance de la qualité -
Partie 1: Spécification générique
(CEI 60679-1:2007)

Quarzoszillatoren
mit bewerteter Qualität -
Teil 1: Fachgrundspezifikation
(IEC 60679-1:2007)

This European Standard was approved by CENELEC on 2007-05-01. 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 two official versions (English and 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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the 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 49/769/FDIS, future edition 3 of IEC 60679-1, prepared by IEC TC 49, Piezoelectric and dielectric devices for frequency control and selection, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60679-1 on 2007-05-01.

This European Standard supersedes EN 60679-1:1998 + A1:2002 + A2:2003.

It represents a step in a revision of all parts of the EN 60679 series to include the test requirements of the IECQ system. EN 60679-1:2007 is based on the relevant standards of that system.

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) | 2008-02-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2010-05-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60679-1:2007 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60122-1	NOTE Harmonized as EN 60122-1:2002 (not modified).
IEC 60679-3	NOTE Harmonized as EN 60679-3:2001 (not modified).
IEC 60679-4	NOTE Harmonized as EN 60679-4:1998 (not modified).
IEC 61000-4-3	NOTE Harmonized as EN 61000-4-3:2006 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

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 60027	Series	Letter symbols to be used in electrical technology	EN 60027	Series
IEC 60050-561	- ¹⁾	International Electrotechnical Vocabulary (IEV) - Part 561: Piezoelectric devices for frequency control and selection	-	-
IEC 60068-1 + corr. October + A1	1988 1988 1992	Environmental testing - Part 1: General and guidance	EN 60068-1	1994
IEC 60068-2-1	- ¹⁾	Environmental testing - Part 2: Tests - Test A: Cold	EN 60068-2-1	2007 ²⁾
IEC 60068-2-2	- ¹⁾	Environmental testing - Part 2: Tests - Tests B: Dry heat	EN 60068-2-2	1993 ²⁾
IEC 60068-2-6	- ¹⁾	Environmental testing - Part 2: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	1995 ²⁾
IEC 60068-2-7	- ¹⁾	Environmental testing - Part 2: Tests - Test Ga: Acceleration, steady state	EN 60068-2-7	1993 ²⁾
IEC 60068-2-10	- ¹⁾	Environmental testing - Part 2-10: Tests - Test J and guidance: Mould growth	EN 60068-2-10	2005 ²⁾
IEC 60068-2-13	- ¹⁾	Environmental testing - Part 2: Tests - Test M: Low air pressure	EN 60068-2-13	1999 ²⁾
IEC 60068-2-14	- ¹⁾	Environmental testing - Part 2: Tests - Test N: Change of temperature	EN 60068-2-14	1999 ²⁾
IEC 60068-2-17	- ¹⁾	Environmental testing - Part 2: Tests - Test Q: Sealing	EN 60068-2-17	1994 ²⁾
IEC 60068-2-20	- ¹⁾	Environmental testing - Part 2: Tests - Test T: Soldering	HD 323.2.20 S3	1988 ²⁾
IEC 60068-2-21	- ¹⁾	Environmental testing - Part 2-21: Tests - Test U: Robustness of terminations and integral mounting devices	EN 60068-2-21	2006 ²⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-27	- ¹⁾	Environmental testing - Part 2: Tests - Test Ea and guidance: Shock	EN 60068-2-27	1993 ²⁾
IEC 60068-2-29	- ¹⁾	Environmental testing - Part 2: Tests - Test Eb and guidance: Bump	EN 60068-2-29	1993 ²⁾
IEC 60068-2-30	- ¹⁾	Environmental testing - Part 2-30: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)	EN 60068-2-30	2005 ²⁾
IEC 60068-2-32	- ¹⁾	Environmental testing - Part 2: Tests - Test Ed: Free fall	EN 60068-2-32	1993 ²⁾
IEC 60068-2-45	- ¹⁾	Environmental testing - Part 2: Tests - Test Xa and guidance: Immersion in cleaning solvents	EN 60068-2-45	1992 ²⁾
IEC 60068-2-52	- ¹⁾	Environmental testing - Part 2: Tests - Test Kb: Salt mist, cyclic (sodium chloride solution)	EN 60068-2-52	1996 ²⁾
IEC 60068-2-58	- ¹⁾	Environmental testing - Part 2-58: Tests - Test Td: Test methods for solderability, resistance to dissolution of metallization and to soldering heat of surface mounting devices (SMD)	EN 60068-2-58 + corr. December	2004 ²⁾ 2004
IEC 60068-2-64	- ¹⁾	Environmental testing - Part 2: Test methods - Test Fh: Vibration, broad-band random (digital control) and guidance	EN 60068-2-64	1994 ²⁾
IEC 60068-2-78	2001	Environmental testing - Part 2-78: Tests - Test Cab: Damp heat, steady state	EN 60068-2-78	2001
IEC 60469-1	1987	Pulse techniques and apparatus - Part 1: Pulse terms and definitions	-	-
IEC 60617	Data- base	Graphical symbols for diagrams	-	-
IEC 60679-5	- ¹⁾	Quartz crystal controlled oscillators of assessed quality - Part 5: Sectional specification - Qualification approval	EN 60679-5	1998 ²⁾
IEC 61000-4-2	- ¹⁾	Electromagnetic compatibility (EMC) - Part 4-2: Testing and measurement techniques - Electrostatic discharge immunity test	EN 61000-4-2	1995 ²⁾
IECQ 01	- ¹⁾	IEC Quality Assessment System for Electronic Components (IECQ) - Basic Rules	-	-
IEC QC 001002-2	1998	IEC Quality Assessment System for Electronic Components (IECQ) - Rules of Procedure - Part 2: Documentation	-	-

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