



National Standards Authority of Ireland
Údarás um Chaighdeán Náisiúnta na hÉireann

IRISH STANDARD

I.S. EN 60027-6:2007

ICS 01.060

**LETTER SYMBOLS TO BE USED IN
ELECTRICAL TECHNOLOGY -- PART 6:
CONTROL TECHNOLOGY (IEC 60027
-6:2006 (EQV))**

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I.S. EN 60027-6:2007

EUROPEAN STANDARD

EN 60027-6

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2007

ICS 01.060

Partially supersedes HD 60027-2:2003

English version

**Letter symbols to be used in electrical technology -
Part 6: Control technology
(IEC 60027-6:2006)**

Symboles littéraux
à utiliser en électrotechnique -
Partie 6: Technologie de commande
et de régulation
(CEI 60027-6:2006)

Formelzeichen für die Elektrotechnik -
Teil 6: Steuerungs- und Regelungstechnik
(IEC 60027-6:2006)

This European Standard was approved by CENELEC on 2007-10-01. 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.

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, 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

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Foreword

The text of document 25/331/FDIS, future edition 1 of IEC 60027-6, prepared by IEC TC 25, Quantities and units, and their letter symbols, in co-operation with the International Federation of Automatic Control (IFAC), was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60027-6 on 2007-10-01.

This European Standard supersedes Clause 11 of HD 60027-2:2003.

In comparison with Clause 11 of HD 60027-2:2003 the following has been altered:

- the number of physical quantities and of their symbols listed in this European Standard has been increased significantly. New clauses for general quantities, for general functions, for characteristic quantities of the step response, for mapping functions and their quantities, and for parameters of transfer elements and control loops have been included;
- the hitherto existing series of reserve symbols for variable quantities of the control loop has been deleted. Four symbols out of this series have been used as new symbols for main quantities;
- the presentation of the denotation of some mathematical concepts specific to the field formerly given in 11.4 has been removed to the column “remarks” of the relevant tables.

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) | 2008-07-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2010-10-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60027-6:2006 was approved by CENELEC as a European Standard without any modification.

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 60027-1	1992	Letter symbols to be used in electrical technology - Part 1: General	EN 60027-1 ¹⁾	2006
IEC 60027-2	2005	Letter symbols to be used in electrical technology - Part 2: Telecommunications and electronics	EN 60027-2	2007
IEC 60050-101	1998	International Electrotechnical Vocabulary (IEV) - Part 101: Mathematics	—	—
IEC 60050-351	2006	International Electrotechnical Vocabulary (IEV) - Part 351: Control technology	—	—
ISO 80000-3	2006	Quantities and units - Part 3: Space and time	—	—
ISO 31-5	1992	Quantities and units - Part 5: Electricity and magnetism	—	—
ISO 31-11	1992	Quantities and units - Part 11: Mathematical signs and symbols for use in the physical sciences and technology	—	—
ANSI/IEEE 280	1985	Letter Symbols for Quantities Used in Electrical Science and Electrical Engineering	—	—

¹⁾ EN 60027-1 is based on IEC 60027-1:1995 (Reprint) + A1:1997.

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