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Letter symbols to be used in electrical technology - Part 3: Logarithmic and related quantities, and their units (IEC 60027-3:2002)

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ICS 01.060; 01.075; 29.020

Referenčna številka  
SIST HD 60027-3:2004(en)

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English version

**Letter symbols to be used in electrical technology**  
**Part 3: Logarithmic and related quantities, and their units**  
(IEC 60027-3:2002)

Symboles littéraux à utiliser en  
électrotechnique  
Partie 3: Grandeurs logarithmiques et  
connexes, et leurs unités  
(CEI 60027-3:2002)

Formelzeichen für die Elektrotechnik  
Teil 3: Logarithmische und verwandte  
Größen und ihre Einheiten  
(IEC 60027-3:2002)

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This Harmonization Document was approved by CENELEC on 2003-12-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for implementation of this Harmonization Document on a national level.

Up-to-date lists and bibliographical references concerning such national implementation may be obtained on application to the Central Secretariat or to any CENELEC member.

This Harmonization Document exists in three official versions (English, French, German).

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, 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 the International Standard IEC 60027-3:2002, prepared by IEC TC 25, Quantities and units, and their letter symbols, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as HD 60027-3 on 2003-12-01 without any modification.

This Harmonization Document supersedes HD 245.3 S3:2001.

The following dates were fixed:

- latest date by which the existence of the HD has to be announced at national level (doa) 2004-06-01
- latest date by which the HD has to be implemented at national level by publication of a harmonized national standard or by endorsement (dop) 2004-12-01
- latest date by which the national standards conflicting with the HD have to be withdrawn (dow) 2006-12-01

Annex ZA has been added by CENELEC.

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### Endorsement notice (standards.iteh.ai)

The text of the International Standard IEC 60027-3:2002 was approved by CENELEC as a Harmonization Document without any modification.

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## 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 60027-2	2000	Letter symbols to be used in electrical technology Part 2: Telecommunications and electronics	HD 60027-2	2003
ISO 31-0	1992	Quantities and units - Part 0: General principles	-	-
ISO 31-2	1992	Part 2: Periodic and related phenomena	-	-
ISO 31-7	1992	Part 7: Acoustics	-	-
ISO 31-11	1992	Part 11: Mathematical signs and symbols for use in the physical sciences and technology	-	-
ISO/IEC 2382-16	1996	Information technology - Vocabulary Part 16: Information theory	-	-

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**NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD**

**CEI  
IEC**

**60027-3**

Troisième édition  
Third edition  
2002-07

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**Symboles littéraux à utiliser  
en électrotechnique –**

**Partie 3:  
Grandeurs logarithmiques et connexes,  
et leurs unités**

**Letter symbols to be used  
in electrical technology –**

**Part 3:  
Logarithmic and related quantities,  
and their units**

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International Electrotechnical Commission  
Международная Электротехническая Комиссия

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## LETTER SYMBOLS TO BE USED IN ELECTRICAL TECHNOLOGY –

## Part 3: Logarithmic and related quantities, and their units

## 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.
- 2) The formal decisions or agreements of the IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested National Committees.
- 3) The documents produced have the form of recommendations for international use and are published in the form of standards, technical specifications, technical reports or guides and they are accepted by the National Committees in that sense.
- 4) In order to promote international unification, IEC National Committees undertake to apply IEC International Standards transparently to the maximum extent possible in their national and regional standards. Any divergence between the IEC Standard and the corresponding national or regional standard shall be clearly indicated in the latter.
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- 6) Attention is drawn to the possibility that some of the elements of this International Standard may be the subject of patent rights. The IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 60027-3 has been prepared by IEC technical committee 25: Quantities and units, and their letter symbols.

This third edition of IEC 60027-3 cancels and replaces the second edition published in 1989, its amendment 1 (2000) and constitutes a technical revision.

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

FDIS	Report on voting
25/251/FDIS	25/253/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.

<https://standards.iec.ch/catalog/standards/sist/b8d01160-0506-4414-af16-702237b1fa1b/sist-hd-60027-3-2004>

This publication has been drafted in accordance with the ISO/IEC Directives, Part 3.

The committee has decided that the contents of this publication will remain unchanged until 2007. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.