

STN	Veličiny a jednotky Časť 6: Elektromagnetizmus	STN EN IEC 80000-6 01 1301
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Quantities and units - Part 6: Electromagnetism

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 02/23

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EN IEC 80000-6

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English Version

**Quantities and units - Part 6: Electromagnetism
(IEC 80000-6:2022)**

Grandeurs et unités - Partie 6: Electromagnétisme
(IEC 80000-6:2022)

Größen und Einheiten - Teil 6: Elektromagnetismus
(IEC 80000-6:2022)

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN IEC 80000-6:2022 (E)**European foreword**

The text of document 25/732/FDIS, future edition 2 of IEC 80000-6, prepared by IEC/TC 25 "Quantities and units" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 80000-6:2022.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2023-09-21
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In the official version, for Bibliography, the following notes have to be added for the standard indicated:

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ISO 80000-2 NOTE Harmonized as EN ISO 80000-2

ISO 80000-3 NOTE Harmonized as EN ISO 80000-3

ISO 80000-4 NOTE Harmonized as EN ISO 80000-4



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Edition 2.0 2022-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Quantities and units –
Part 6: Electromagnetism**

**Grandeurs et unités –
Partie 6: Électromagnétisme**





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Edition 2.0 2022-11

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Quantities and units –
Part 6: Electromagnetism**

**Grandeurs et unités –
Partie 6: Électromagnétisme**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

QUANTITIES AND UNITS –

Part 6: Electromagnetism

FOREWORD

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IEC 80000-6 has been prepared by IEC technical committee 25: Quantities and units, and their letter symbols in close cooperation with ISO/TC 12, Quantities and units. It is an International Standard.

This second edition of IEC 80000-6 cancels and replaces the first edition published in 2008. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) With the new definitions in SI, some previously exact values for quantities now must be determined experimentally while other quantities are given as exact values;
- b) Item 6-2.2, elementary charge added;
- c) Item 6-11.4, induced voltage, added;
- d) Index of entries added;
- e) Editorial alignment to other parts of the IEC and ISO 80000 series.

The text of this International Standard is based on the following documents:

Draft	Report on voting
25/732/FDIS	25/740/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

IEC 80000 consists of the following parts, under the general title *Quantities and units*:

- 1) *Part 6: Electromagnetism*
- 2) *Part 13: Information science and technology*
- 3) *Part 15: Logarithmic and related quantities, and their units*
- 4) *Part 16: Printing and writing rules*
- 5) *Part 17: Time dependency*

The following parts are published by ISO:

- 1) *Part 1: General*
- 2) *Part 2: Mathematical signs and symbols to be used in the natural sciences and technology*
- 3) *Part 3: Space and time*
- 4) *Part 4: Mechanics*
- 5) *Part 5: Thermodynamics*
- 6) *Part 7: Light*
- 7) *Part 8: Acoustics*
- 8) *Part 9: Physical chemistry and molecular physics*
- 9) *Part 10: Atomic and nuclear physics*
- 10) *Part 11: Characteristic numbers*
- 11) *Part 12: Condensed matter physics*

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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