

# SLOVENSKI STANDARD

## SIST EN 62053-52:2006

01-november-2006

Nadomešča:  
SIST EN 60387:2002

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**Oprema za merjenje električne energije (AC) – Posebne zahteve – 52. del: Simboli (IEC 62053-52:2005)**

Electricity metering equipment (AC) - Particular requirements -- Part 52: Symbols

Wechselstrom-Elektrizitätszähler - Besondere Anforderungen -- Teil 52: Symbole

Equipement de comptage de l'électricité (CA) - Exigences particulières -- Partie 52: Symboles

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**Ta slovenski standard je istoveten z: EN 62053-52:2005**

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**ICS:**

01.080.40	Grafični simboli za uporabo v risbah, diagramih, načrtih v elektrotehniki in elektroniki ter v ustrezni tehnični proizvodni dokumentaciji	Graphical symbols for use on electrical and electronics engineering drawings, diagrams, charts and in relevant technical product documentation
17.220.20	Merjenje električnih in magnetnih veličin	Measurement of electrical and magnetic quantities

**SIST EN 62053-52:2006**

**en**

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English version

**Electricity metering equipment (AC) -  
Particular requirements  
Part 52: Symbols  
(IEC 62053-52:2005)**

Equipement de comptage  
de l'électricité (CA) -  
Exigences particulières  
Partie 52: Symboles  
(CEI 62053-52:2005)

Wechselstrom-Elektrizitätszähler -  
Besondere Anforderungen  
Teil 52: Symbole  
(IEC 62053-52:2005)

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This European Standard was approved by CENELEC on 2005-11-01. 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, 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 document 13/1343/FDIS, future edition 1 of IEC 62053-52, prepared by IEC TC 13, Equipment for electrical energy measurement and load control, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 62053-52 on 2005-11-01.

This European Standard supersedes EN 60387:1992.

The main changes with respect to EN 60387:1992 are as follows:

- the document has been brought in line with standards established recently by TC 13;
- a few new symbols have been added.

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) 2006-08-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2008-11-01

Annex ZA has been added by CENELEC.

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**Endorsement notice**  
<https://standards.iteh.ai/catalog/standards/sist/en-62053-52-2006/5-4c88-41e9-bec2-9873e5923345/sist-en-62053-52-2006>

The text of the International Standard IEC 62053-52:2005 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 62056	NOTE	Harmonized in EN 62056 series (not modified).
IEC 62056-21	NOTE	Harmonized as EN 62056-21:2002 (not modified).
IEC 62056-61	NOTE	Harmonized as EN 62056-61:2002 (not modified).
IEC 62056-62	NOTE	Harmonized as EN 62056-62:2002 (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 Where 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 60211	- <sup>1)</sup>	Maximum demand indicators, Class 1.O.	-	-
IEC 60417	data-base	Graphical symbols for use on equipment	-	-
IEC 62052-11	- <sup>1)</sup>	Electricity metering equipment (AC) - General requirements, tests and test conditions Part 11: Metering equipment	EN 62052-11	2003 <sup>2)</sup>

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.

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NORME  
INTERNATIONALE  
INTERNATIONAL  
STANDARD

CEI  
IEC

62053-52

Première édition  
First edition  
2005-09

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Équipement de comptage de l'électricité (CA) –  
Exigences particulières –

Partie 52:  
Symboles

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Electricity metering equipment (AC) –  
Particular requirements –

SIST EN 62053-52:2006

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Part 52:  
Symbols

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International Electrotechnical Commission  
Международная Электротехническая Комиссия

CODE PRIX  
PRICE CODE

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Pour prix, voir catalogue en vigueur  
For price, see current catalogue

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**ELECTRICITY METERING EQUIPMENT (AC) –  
PARTICULAR REQUIREMENTS –****Part 52: Symbols****FOREWORD**

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of 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, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). 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. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 62053-52 has been prepared by IEC technical committee 13: Equipment for electrical energy measurement and load control.

This standard cancels and replaces the second edition of IEC 60387, published in 1992. The main changes with respect to IEC 60387 are as follows:

- the document has been brought in line with standards established recently by TC 13;
- a few new symbols have been added.

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

FDIS	Report on voting
13/1343/FDIS	13/1354/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.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

IEC 62053 consists of the following parts, under the general title *Electricity metering equipment – Particular requirements*:

- Part 11: Electromechanical meters for active energy (classes 0,5, 1 and 2)
- Part 21: Static meters for active energy (classes 1 and 2)
- Part 22: Static meters for active energy (classes 0,2 S and 0,5 S)
- Part 23: Static meters for reactive energy (classes 2 and 3)
- Part 31: Pulse output devices for electromechanical and electronic meters (two wires only)
- Part 52: Symbols
- Part 61: Power consumption and voltage requirements

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed, [SIST EN 62053-52:2006](https://standards.iteh.ai/catalog/standards/sist/d0b0d7b5-4c88-41e9-bec2-9873e5923345/sist-en-62053-52-2006)
- withdrawn, <https://standards.iteh.ai/catalog/standards/sist/d0b0d7b5-4c88-41e9-bec2-9873e5923345/sist-en-62053-52-2006>
- replaced by a revised edition, or
- amended.

## INTRODUCTION

The symbols in this part of IEC 62053 may be substituted for the markings given in the different national languages. They have the advantage of explaining the necessary technical characteristics irrespective of the country for which the meter is intended.

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