

Symbols for alternating-current electricity meters

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

Käesolev Eesti standard EVS-EN 60387:2002 sisaldab Euroopa standardi EN 60387:1992 ingliskeelset teksti.

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English version

Symbols for alternating-current electricity meters

(IEC 387 : 1992)

Symboles pour compteurs à
courant alternatif
(CEI 387 : 1992)

Symbole für
Wechselstromzähler
(IEC 387 : 1992)

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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.

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CENELEC

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

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Foreword

The text of document 13(CO)1014, as prepared by IEC Technical Committee No. 13: Equipment for electrical energy measurement and load control, was submitted to the IEC-CENELEC parallel vote in April 1991.

The reference document was approved by CENELEC as EN 60387 on 10 December 1991.

The following dates were fixed

- latest date of publication
of an identical national
standard (dop) 1993-07-01
- latest date of withdrawal
of conflicting national
standards (dow) 1993-07-01

Annexes designated 'normative' are part of the body of the standard. In this standard, annex ZA is normative.

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SYMBOLS FOR ALTERNATING-CURRENT ELECTRICITY METERS

1 Scope

This International Standard applies to letter and graphical symbols for a.c. electricity meters and their auxiliary devices, independent of induction or static measurement elements.

All the symbols included in this standard may be marked on the name-plate, dial plate, external labels or accessories of the meter.

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All normative documents are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

IEC 50(301, 302, 303): 1983, *International Electrotechnical Vocabulary (IEV) – Chapter 301: General terms on measurements in electricity – Chapter 302: Electrical measuring instruments – Chapter 303: Electronic measuring instruments.*

IEC 211: 1966, *Maximum demand indicators, class 1,0.*

IEC 617-6: 1983, *Graphical symbols for diagrams – Part 6: Production and conversion of electrical energy.*

3 Definitions

For the purpose of this International Standard, the following definitions apply.

Most of the following definitions have been taken from chapters 301, 302 and 303 of the International Electrotechnical Vocabulary (IEV), IEC 50(301, 302, 303). In such cases, the appropriate IEV reference is given.

3.1 Induction meter: Energy meter which operates by the rotation of the disc of an induction measuring element. [IEV 302-04-03]

3.2 static energy meter: Energy meter in which current and voltage act on solid state (electronic) elements to produce an output pulse frequency proportional to the energy.

3.3 watt-hour meter: Instrument intended to measure active energy by integrating active power with respect to time. [IEV 301-04-17]