

SLOVENSKI STANDARD
SIST EN 50470-2:2007/A1:2019
01-februar-2019

**Oprema za merjenje električne energije (a.c.) - 2. del: Posebne zahteve -
Elektromehanski števcji za delovno energijo (razredna indeksa A in B) - Dopolnilo
A1**

Electricity metering equipment (a.c.) - Part 2: Particular requirements -
Electromechanical meters for active energy (class indexes A and B)

Wechselstrom-Elektrizitätszähler - Teil 2: Besondere Anforderungen -
Elektromechanische Wirkverbrauchszähler der Genauigkeitsklassen A und B
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Equipement de comptage d'électricité (c.a.) - Partie 2: Prescriptions particulières -
Compteurs électromécaniques d'énergie active (classes de précision A et B)

Ta slovenski standard je istoveten z: EN 50470-2:2006/A1:2018

ICS:

17.220.20	Merjenje električnih in magnetnih veličin	Measurement of electrical and magnetic quantities
91.140.50	Sistemi za oskrbo z elektriko	Electricity supply systems

SIST EN 50470-2:2007/A1:2019 en,fr

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EUROPEAN STANDARD

EN 50470-2:2006/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 2018

ICS 91.140.50

English Version

Electricity metering equipment (a.c.) - Part 2: Particular requirements - Electromechanical meters for active energy (class indexes A and B)

Équipement de comptage d'électricité (c.a.) - Partie 2:
Prescriptions particulières - Compteurs électromécaniques
d'énergie active (classes de précision A et B)

Wechselstrom-Elektrizitätszähler - Teil 2: Besondere
Anforderungen - Elektromechanische Wirkverbrauchszähler
der Genauigkeitsklassen A und B

This amendment A1 modifies the European Standard EN 50470-2:2006; it was approved by CENELEC on 2018-08-27. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 CEN-CENELEC Management Centre or to any CENELEC member.

This amendment 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

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European foreword

This document (EN 50470-2:2006/A1:2018) has been prepared by CLC/TC 13 “Electrical energy measurement and control”.

The following dates are fixed:

- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2019-08-27
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) 2021-08-27

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of this document.

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Introduction

The purpose of this amendment is to identify and remove all safety related requirements and tests of EN 50470-2:2006 that are replaced and extended by the complete set of requirements and tests in EN 62052-31:2016.

1 Modifications to the Scope

Replace the penultimate paragraph by:

The safety aspect is covered by EN 62052-31:2016.

Regarding acceptance tests see EN 62058-11:20 and EN 62058-21:20.

2 Modifications to Clause 2, Normative references

Add the following standard:

EN 50470-1:2006, + A1:2018, *Electricity metering equipment (a.c.) – Part 1: General requirements, tests and test conditions – Metering equipment (class indexes A, B and C)*

EN 62052-31:2016, *Electricity metering equipment (AC) – General requirements, tests and test conditions – Part 31: Product safety requirements and tests (IEC 62052-31:2015)*

3 Modifications to 7.2, A.C. voltage test

Replace the existing clause by the following:

EN 62052-31:2016, 6.10.4.3.4 and Annex G apply.

4 Modifications to 8.6, Short time overcurrents

Add, at the end of the subclause:

In addition to the existing requirements and tests covering the metrology aspect, safety related requirements specified in EN 62052-31:2016, 6.9.8 and tests specified in 6.10.5 and 6.10.6 apply.

5 Modifications to 8.7.7.5, Self-heating

Replace the penultimate paragraph with the following:

Test cables shall be as specified in EN 62052-31:2016, 4.3.2.11.

6 Modifications to Annex ZZ

Replace the Annex ZZ by the following new annex:

Annex ZZ (informative)

Relationship between this European standard and the essential requirements of directive 2014/32/EU aimed to be covered

This European standard has been prepared under a Commission's standardization request M/541 to provide one voluntary means of conforming to essential requirements of the directive 2014/32/EU.

Once this standard is cited in the Official Journal of the European Union under this directive, compliance with the normative clauses of this standard given in Table ZZ.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding essential requirements of this directive and associated EFTA regulations.

Table ZZ.1 – Correspondence between this European standard and Directive 2014/32/EU

Essential Requirements of Directives	Clause(s) / subclause(s) of this EN	Remarks / Notes
2014/32/EU Annexes I and V	All relevant requirements are covered by complying with all clauses of this standard together with all clauses of EN 50470-1, except software requirements formulated in: Essential requirement 7, Suitability Essential requirement 8, Protection against corruption.	NOTE: These requirements are not applicable to electromechanical meters

WARNING 1: Presumption of conformity stays valid only as long as a reference to this European standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2: Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

7 Modifications to the Bibliography

Update the following references:

EN 62058-11:2010, *Electricity metering equipment (AC) – Acceptance inspection – Part 11: General acceptance inspection methods (IEC 62058-11:2008)*

EN 62058-21:2010, *Electricity metering equipment (AC) - Acceptance inspection – Part 21: Particular requirements for electromechanical meters for active energy (classes 0,5, 1 and 2 and class indexes A and B) (IEC 62058-21:2008)*