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Elmätare för växelström – Mottagningskontroll – Del 31: Särskilda fordringar på elektroniska mätare för aktiv energi (klass 0,2 S, 0,5 S, 1 och 2 och noggrannhetsklass A, B och C)

Electricity metering equipment (a.c.) –

Acceptance inspection –

*Part 31: Particular requirements for static meters for active energy
(classes 0,2 S, 0,5 S, 1 and 2, and class indexes A, B and C)*

Som svensk standard gäller europastandarden EN 62058-31:2010. Den svenska standarden innehåller den officiella engelska språkversionen av EN 62058-31:2010.

Nationellt förord

Europastandarden EN 62058-31:2010

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 62058-31, First edition, 2008 - Electricity metering equipment (a.c.) - Acceptance inspection - Part 31: Particular requirements for static meters for active energy (classes 0,2 S, 0,5 S, 1 and 2, and class indexes A, B and C)**

utarbetad inom International Electrotechnical Commission, IEC.

Tidigare fastställd svensk standard SS-EN 61358, utgåva 1, 1996, gäller ej fr o m 2013-06-01.

SS-EN 62058-31 tillsammans med SS-EN 62058-11, utgåva 1, 2010 ersätter SS-EN 61358, utgåva 1, 1996.

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English version

**Electricity metering equipment (a.c.) -
Acceptance inspection -
Part 31: Particular requirements for static meters for active energy
(classes 0,2 S, 0,5 S, 1 and 2, and class indexes A, B and C)
(IEC 62058-31:2008, modified)**

Equipement de comptage
de l'électricité (a.c.) -
Contrôle de réception -
Partie 31: Exigences particulières
pour compteurs statiques d'énergie active
(de classes 0,2 S, 0,5 S, 1 et 2
et d'indices de classe A, B et C)
(CEI 62058-31:2008, modifiée)

Wechselstrom-Elektrizitätszähler -
Annahmeprüfung -
Teil 31: Besondere Anforderungen
an elektronische Zähler für Wirkenergie
(Klassen 0,2 S, 0,5 S, 1 und 2
und Klassenzeichen A, B und C)
(IEC 62058-31:2008, modifiziert)

This European Standard was approved by CENELEC on 2010-06-01. 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, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

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 13/1432/FDIS, future edition 1 of IEC 62058-31, prepared by IEC TC 13, Electrical energy measurement, tariff- and load control, was submitted to the IEC-CENELEC parallel vote.

A draft amendment, prepared by the Technical Committee CENELEC TC 13, Equipment for electrical energy measurement and load control, was submitted to the formal vote.

The combined texts were approved by CENELEC as EN 62058-31 on 2010-06-01.

EN 62058-31:2010, together with EN 62058-11:2010, supersedes EN 61358:1996.

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

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) 2011-06-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2013-06-01

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and covers essential requirements of EC Directive 2004/22/EC. See Annex ZZ.

Annexes ZA and ZZ have been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62058-31:2008 was approved by CENELEC as a European Standard with agreed common modifications as given below.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 62052-11:2003 NOTE Harmonized as EN 62052-11:2003 (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 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 62053-21	2003	Electricity metering equipment (a.c.) - Particular requirements - Part 21: Static meters for active energy (classes 1 and 2)	EN 62053-21	2003
IEC 62053-22	2003	Electricity metering equipment (a.c.) - Particular requirements - Part 22: Static meters for active energy (classes 0,2 S and 0,5 S)	EN 62053-22	2003
IEC 62058-11	2008	Electricity metering equipment (AC) - Acceptance inspection - Part 11: General acceptance inspection methods	EN 62058-11	2010
ISO/IEC Guide 98	1995	Guide to the expression of uncertainty in measurement (GUM)	-	-

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INTRODUCTION

This standard together with IEC 62058-11 cancels and replaces IEC 61358, *Acceptance inspection for direct connected alternating-current static watt-hour meters for active energy (Classes 1 and 2)*.

ELECTRICITY METERING EQUIPMENT (AC) – ACCEPTANCE INSPECTION –

Part 31: Particular requirements for static meters for active energy (classes 0,2 S, 0,5 S, 1 and 2)

1 Scope

This part of IEC 62058 specifies particular requirements for acceptance inspection of newly manufactured direct connected or transformer operated static meters for active energy (classes 0,2 S, 0,5 S, 1 and 2) delivered in lots in quantities above 50. The method of acceptance of smaller lots should be agreed upon by the manufacturer and the customer.

The process described herein is primarily intended for acceptance inspection between the manufacturer and the purchaser.

NOTE It can also be used for other purposes, for example to support initial verification.

2 Normative references

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.

IEC 62053-21:2003, *Electricity metering equipment (a.c.) – Particular requirements – Part 21: Static meters for active energy (classes 1 and 2)*

IEC 62053-22:2003, *Electricity metering equipment (a.c.) – Particular requirements – Part 22: Static meters for active energy (classes 0,2 S and 0,5 S)*

IEC 62058-11:2008, *Electricity metering equipment (a.c.) – Acceptance inspection – Part 11: General acceptance inspection methods*

ISO/IEC GUIDE 98: 1995, *Guide to the Expression of Uncertainty in Measurement*