



SLOVENSKI STANDARD
SIST EN IEC 63159-1:2022

01-februar-2022

Gospodinjski električni pretočni grelniki vode - Metode za merjenje lastnosti - 1.
del: Splošno

Household electric instantaneous water heaters - Methods for measuring the performance - Part 1: General aspects

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Ta slovenski standard je istoveten z: EN IEC 63159-1:2021

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ICS:

91.140.65	Oprema za ogrevanje vode	Water heating equipment
97.100.10	Električni grelniki	Electric heaters

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en

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EUROPEAN STANDARD

EN IEC 63159-1

NORME EUROPÉENNE

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November 2021

ICS 91.140.65

English Version

Household electric instantaneous water heaters - Methods for measuring the performance - Part 1: General aspects (IEC 63159-1:2021)

Chauffe-eau instantanés électrodomestiques - Méthodes de mesure de l'aptitude à la fonction - Partie 1: Aspects généraux
(IEC 63159-1:2021)

Elektro-Durchfluss-Wassererwärmer für den Hausgebrauch - Prüfverfahren zur Messung der Gebrauchseigenschaften - Teil 1: Allgemeines
(IEC 63159-1:2021)

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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 63159-1:2021 (E)**European foreword**

The text of document 59C/267/FDIS, future edition 1 of IEC 63159-1, prepared by SC 59C “Electrical heating appliances for household and similar purposes” of IEC/TC 59 “Performance of household and similar electrical appliances” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 63159-1:2021.

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) 2022-08-25
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024-11-25

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PREVIEW

The text of the International Standard IEC 63159-1:2021 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:

		<u>SIST EN IEC 63159-1:2022</u>
IEC 60335-1	NOTE	Harmonized as EN 60335-1
IEC 60335-2-35	NOTE	Harmonized as EN 60335-2-35
IEC 60584-1	NOTE	Harmonized as EN 60584-1
IEC 60584-2	NOTE	Harmonized as EN 60584-2

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 63159-2-1	-	Household electric instantaneous water heaters - Methods for measuring the performance - Part 2-1: Multifunctional electric instantaneous water heaters	EN IEC 63159-2-1	-
IEC 63159-2-2	-	Household electric instantaneous water heaters - Methods for measuring the performance - Part 2-2: Efficiency of single point of use electric instantaneous water heaters	EN IEC 63159-2-2	-
ISO 228-1	-	Pipe threads where pressure-tight joints are not made on the threads - Part 1: Dimensions, tolerances and designation	-	-
ISO 2768-1	-	General tolerances - Part 1: Tolerances for linear and angular dimensions without individual tolerance indications	-	-

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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Household electric instantaneous water heaters – Methods for measuring the performance –

Part 1: General aspects

(standards.iteh.ai)

Chauffe-eau instantanés électrodomestiques – Méthodes de mesure de l'aptitude à la fonction –

Partie 1: Aspects généraux

INTERNATIONAL
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**HOUSEHOLD ELECTRIC INSTANTANEOUS WATER HEATERS –
METHODS FOR MEASURING THE PERFORMANCE –****Part 1: General aspects**

FOREWORD

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International Standard IEC 63159-1 has been prepared by subcommittee 59C: Electrical heating appliances for household and similar purposes, of IEC technical committee 59: Performance of household and similar electrical appliances.

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

Draft	Report on voting
59C/267/FDIS	59C/271/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.

A list of all the parts in the IEC 63159 series, published under the general title *Household electric instantaneous water heaters – Methods for measuring the performance*, can be found on the IEC website.

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/standardsdev/publications.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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HOUSEHOLD ELECTRIC INSTANTANEOUS WATER HEATERS – METHODS FOR MEASURING THE PERFORMANCE –

Part 1: General aspects

1 Scope

This document applies to electric instantaneous water heaters for domestic hot water heating for household and similar applications, which show both of the following characteristics:

- fulfilling at least one load pattern from Annex A;
- heating up to temperatures below the boiling temperature.

This document specifies terms, definitions and measurement methods for the assessment of energy efficiency.

This document does not take into account requirements regarding the safety of the appliances.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 63159-2-1, *Household electric instantaneous water heaters – Methods for measuring the performance – Part 2-1: Multifunctional electric instantaneous water heaters*

IEC 63159-2-2, *Household electric instantaneous water heaters – Methods for measuring the performance – Part 2-2: Efficiency of single point of use electric instantaneous water heaters*

ISO 2768-1, *General tolerances – Part 1: Tolerances for linear and angular dimensions without individual tolerance indications*

ISO 228-1, *Pipe threads where pressure-tight joints are not made on the threads – Part 1: Dimensions, tolerances and designation*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.1

instantaneous water heater

appliance intended to heat water while it flows through the appliance