



**SLOVENSKI STANDARD**  
**oSIST prEN IEC 60335-2-21:2024/oprAA:2024**  
**01-september-2024**

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**Gospodinjski in podobni električni aparati - Varnost - 2-21. del: Posebne zahteve za akumulacijske grelnike vode - Dopolnilo AA**

Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters

Sicherheit elektrischer Geräte für den Hausgebrauch und ähnliche Zwecke - Teil 2-21: Besondere Anforderungen für Wassererwärmer (Warmwasserspeicher und Warmwasserboiler)

Appareils électrodomestiques et analogues - Sécurité - Partie 2-21: Exigences particulières pour les chauffe-eau à accumulation

**Ta slovenski standard je istoveten z: prEN IEC 60335-2-21:2024/prAA:2024**

**ICS:**

13.120	Varnost na domu	Domestic safety
91.140.65	Oprema za ogrevanje vode	Water heating equipment

**oSIST prEN IEC 60335-2-21:2024/oprAA:2024** en



EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**DRAFT**  
**prEN IEC 60335-2-21:2024**  
**prAA**

June 2024

ICS 13.120; 91.140.65

English Version

## Household and similar electrical appliances - Safety - Part 2-21: Particular requirements for storage water heaters

Appareils électrodomestiques et analogues - Sécurité -  
Partie 2-21: Exigences particulières pour les chauffe-eau à  
accumulation

Sicherheit elektrischer Geräte für den Hausgebrauch und  
ähnliche Zwecke - Teil 2-21: Besondere Anforderungen für  
Wassererwärmer (Warmwasserspeicher und  
Warmwasserboiler)

This draft amendment prAA, if approved, will modify the European Standard prEN IEC 60335-2-21:2024; it is submitted to CENELEC members for enquiry.

Deadline for CENELEC: 2024-09-06.

It has been drawn up by CLC/TC 61.

If this draft becomes an amendment, 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.

This draft amendment was established by CENELEC 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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Recipients of this draft are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Warning : This document is not a European Standard. It is distributed for review and comments. It is subject to change without notice and shall not be referred to as a European Standard.



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**

**prEN IEC 60335-2-21:2024/prAA:2024 (E)****1 European foreword**

2 This document (prEN IEC 60335-2-21:2024/prAA:2024) has been prepared by CLC/TC 61 "Safety of  
3 household and similar electrical appliances".

4 This document is currently submitted to the Enquiry.

5 The following dates are proposed:

- latest date by which the existence of this document has to be announced at national level (doa) dor + 6 months
- latest date by which this document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) dor + 12 months
- latest date by which the national standards conflicting with this document have to be withdrawn (dow) dor + 36 months (to be confirmed or modified when voting)

6 This document is read in conjunction with prEN IEC 60335-2-21:2024.

7 The numbering system for European clauses, subclauses, notes, tables, figures and annexes that are  
8 additional to those in the IEC standard are prefixed with the letter "Z".

9 This document has been prepared under a standardization request addressed to CENELEC by the European  
10 Commission. The Standing Committee of the EFTA State subsequently approves these requests for its  
11 Member States.

12 For the relationship with EU legislation, see informative Annexes ZZA and ZZC, which are an integral part of  
13 this document.

[oSIST prEN IEC 60335-2-21:2024/oprAA:2024](https://standards.iteh.ai/catalog/standards/sist/f6cad8a3-7a57-4ab7-9328-1f9090cf8562/osist-pren-iec-60335-2-21-2024-oprAA:2024)

<https://standards.iteh.ai/catalog/standards/sist/f6cad8a3-7a57-4ab7-9328-1f9090cf8562/osist-pren-iec-60335-2-21-2024-oprAA:2024>

## 14 **1 Modification to the Introduction**

15 *Addition:*

16 With European amendment A11, EN 60335-2-21:2021+A1:2021 is superseded.

17 This European amendment A11 supplements or modifies the corresponding clauses of the standards below:

- 18 — EN IEC 60335-1:2023+A11:2023 (Part 1)
- 19 — EN IEC 60335-2-21:2024 (Part 2)

## 20 **2 Modification to Clause 1, “Scope”**

21 *Replace the fourth paragraph starting with “As far as is practicable ...” up to “... in general, it does not take*  
 22 *into account ” except for the dashed items with the following:*

23 “This standard deals with the reasonably foreseeable hazards presented by appliances and machines that are  
 24 encountered by all persons. However, in general, it does not take into account:”

25 *Add before the fifth paragraph starting with “Attention is drawn to the fact” the following:*

26 “It is recognized that people with disabilities can have needs beyond the level addressed in this standard.”

## 27 **3 Modification to Clause 2, “Normative references”**

28 *Addition:*

29 EN IEC 60335-1:2023,<sup>1</sup> *Household and similar electrical appliances - Safety - Part 1: General requirements*

## 30 **4 Modification to Clause 7, “Markings and instructions”**

### 31 **7.12 Addition**

32 *In the fourth paragraph starting with “The instructions shall state the substance of the following”, add the*  
 33 *following dashed items:*

34 “

35 — Children aged from 3 years are only allowed to operate the tap connected to the water heater.

36 — the intended use of the appliance as covered by the scope of this standard;

37 — instructions regarding user maintenance and operation of the appliance and, if necessary, instructions for  
 38 the training of operators;

39 — instructions designed to enable adjustment and maintenance to be carried out safely, including the  
 40 protective measures that should be taken during these operations;

41 — the conditions under which the appliance is stable during use, dismantling when out of use, testing or  
 42 foreseeable breakdowns;

43 — the operating method to be followed in the event of accident or breakdown to prevent unsafe actions.”

44 *Add the following:*

45 “The instructions shall also state the maximum weight of the appliance including accessories and its  
 46 packaging.”

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<sup>1</sup> As impacted by EN IEC 60335-1:2023/A11:2023.

**prEN IEC 60335-2-21:2024/prAA:2024 (E)**

47 **7.12.1** *Addition:*

48 The instructions shall state that any repairs shall be carried out by competent persons.

49 **5 Modification to Clause 11, “Heating”**

50 **11.101** *Addition*

51 For **remote operation** of appliances, the test is repeated with the control units and switches adjusted to the  
52 highest setting and maximum duration of operation that can be set for **remote operation**.

**Secretary Note:** the above sentence is in line with decision taken in document 61/6883A/INF. The above sentence is mandatory for addressing the ERs and link the standard to RED

53 **6 Modification to Clause 19, “Abnormal operation”**

54 19.2 *Addition:*

55 If there are separate thermostats in the phases of a three-phase water heater with star connection (without  
56 neutral), all thermostats are short-circuited simultaneously.

57 **7 Modification to Clause 22, “Construction”**

58 **22.40** *Addition:*

59 Appliances for **remote operation** can operate continuously, automatically or remotely without giving rise to a  
60 hazard.

61 **22.49** *Addition:*

62 Appliances for **remote operation** can operate continuously, automatically or remotely without giving rise to a  
63 hazard.

64 **22.51** *Addition:*

65 *Addition:*

66 Appliances for **remote operation** can operate continuously, automatically or remotely without giving rise to a  
67 hazard.

68 **8 Modification to Clause 31, “Resistance to rusting”**

69 *Replace* “This clause of Part 1 is applicable” *with* “This clause of Part 1 is not applicable”.

70 **9 Modification to annexes**

71 *To the end of the sentence starting with* “The annexes of Part 1 are applicable” *add* “except as follows”.