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Responsible committee: CPL/61/1 Motorised appliance group

Interested committees:

Title: Draft BS EN IEC 60335-2-116/A11 Household and similar electrical appliances - Safety - Part 2-116:
Particular requirements for furniture with electrically motorized parts

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Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/ Figure/Table/Note	Type of comment	Comment (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	

English Version

**Household and similar electrical appliances - Safety - Part 2-116:
Particular requirements for furniture with electrically motorized
parts**

Appareils électrodomestiques et analogues - Sécurité -
Partie 2-116: Exigences particulières pour les meubles avec
des parties électriquement motorisées

Sicherheit elektrischer Geräte für den Hausgebrauch und
ähnliche Zwecke - Teil 2-116: Besondere Anforderungen an
Möbel mit elektromotorisch betriebenen Teilen

This draft amendment prAA, if approved, will modify the European Standard prEN IEC 60335-2-116:2022; it is submitted to CENELEC members for enquiry.

Deadline for CENELEC: 2022-09-16.

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.

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, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

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

1 European foreword

2 This document (prEN IEC 60335-2-116:2022/prAA:2022) 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 60335-2-116:2022.

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 given to CENELEC by the European
10 Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s)
11 / Regulation(s).

12 For relationship with EU Directive(s) / Regulation(s), see informative Annex ZZB, which is an integral part of
13 this document.

Secretary NOTE: the Standard EN IEC 60335-2-116+A11 shall be assessed and evaluated in conjunction with prEN 17684:2022, Electrically operated furniture

1 Modification to the Introduction

Add the following:

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

- EN 60335-1:2012+A11:2014+A13:2017+A1:2019+A14:2019+A2:2019+A15:2021+A16:2022 (Part 1)
- EN IEC 60335-2-116:2022 (Part 2)

The relevant requirements of Annex ZE of Part 1 have been incorporated in the text of this part 2.

Drives for furniture with electrically motorised parts may be placed on the market either as:

- partly completed machinery
- or
- as complete machinery

Electrically operated furniture incorporating multiple drives for the opening or closing of doors, drawers or lift-ups (including those in separate units located in the same room) are not to be considered an assembly of machinery.

Partly completed machinery placed on the market should not be installed by the final user. In case of partly completed machinery this standard can be used as a guide.

Mechanical safety aspects as stability, risks of break up during operation etc. of furniture with electrically motorised parts are covered by the standard “Furniture – Electrically operated – Mechanical safety requirements by normative reference to prEN 17684:2022”. Details of the CEN coverage are specified in the relevant subclauses of Clauses 20 or/and 21 of this standard. For furniture not covered by prEN17684:2022, this standard applies.

2 Modification to Clause 1, Scope

Secretary Note: CENELEC TC61 normally modifies only sections of the IEC text instead of full replacement of IEC text. The ED GR ask IM and WG6 to rewrite the text in accordance with the internal guidelines.

In the paragraph start with “**Furniture** incorporating electrically motorised...”, add the following after the term “... in light industry and on farms”:

bed and breakfast type environments, educational institutions

Add the following paragraph after the paragraph starting with “Furniture incorporating electrically motorised parts”:

Battery-operated **furniture** with electrically motorised parts and other DC supplied **furniture** with electrically motorized parts are within the scope of this standard.

Dual supply **furniture** with electrically motorised parts, either mains-supplied or battery-operated, are regarded as battery-operated **furniture** with electrically motorised parts when operated in the battery mode.

NOTE Z101 Household environment includes the dwelling and its associated buildings.

Add the following dashed items in the NOTE 101:

- electrically operated/adjusted privacy screens (panel systems);
- electrically operated/adjustable multifunctional **furniture** combining different **furniture** and/or transforming one type of **furniture** into another type of **furniture**;
- electrically operated **furniture** for non-medical use in health care environment;
- cupboards for built-in appliances like a dishwasher or a refrigerator.

51 *In the paragraph starting with “This standard deals with the reasonably foreseeable..”, add the following*
52 *sentence before the sentence starting with “However, in general,....”: Mechanical hazards such as risks of*
53 *break up during operation and mechanical hazards of shear, squeeze and compression is also covered. Details*
54 *of the coverage is specified in each relevant subclauses of 20 and 21.*

55 *In the paragraph starting with “This standard deals with the reasonably foreseeable..”, replace the two dashed*
56 *items starting with “persons whose physical” by the following:*

- 57 – **children** playing with the **furniture**;
- 58 – operation of the **furniture** by **very young children** and **young children**.

59 It is recognized that **very vulnerable people** and **young children** may have needs beyond the level
60 addressed in this standard.

61 *Add the following dashed item in the Note 102:*

- 62 – the requirements of this standard can be used as a guide for assessing a partly completed machinery.

63 *Add the following dashed items in the Note 103:*

- 64 – moving railing chairs or stair lifts;
- 65 – chairs on wall mounted rails with height adjustable wash basin;
- 66 – **furniture** intended exclusively for industrial purposes;
- 67 – **furniture** intended to be used in locations where special conditions prevail, such as the presence of a
68 corrosive or explosive atmosphere (dust, vapour, water or gas).

69 *Add the following:*

70 This European standard does not deal with any specific requirements on noise emitted from these appliances
71 the generated noise is not considered to be a relevant hazard. Thus, the emission sound pressure level L_{pA} is
72 considered to be $L_{pA} \leq 70$ dB(A).

73 For the purpose of this standard, the term “appliance” from here and onward is to be read as “**furniture** with
74 electrically motorised parts”.

75 **3 Modification to Clause 2, Normative references**

76 *Add the following reference:*

77 prEN 17684:2022, Electrically operated furniture

78 **4 Modification to Clause 3, Terms and definitions**

79 **3.1.102** *Add the following notes:*

80 Note Z101 to entry: load assigned means the rated mass .

81 Note Z102 to entry: For partly completed machinery the **rated load** is specified in newtons (N) or in newton-metres (Nm).

Secretary Note: The NCs are invited to evaluate the possibility to have two different physical loads:

- in kg(for mass in note Z101)
- N or Nm (for Weight in note Z102)

82 **3.5** *Add the following subclause:*

83 **3.5.Z101**

84 partly completed machinery

85 an assembly which is almost machinery, but which cannot in itself perform a specific application.

86 **3.6** *Add the following subclauses:*

87 **3.6.Z101**
 88 **leading edge**
 89 edge of any part moving in an appliance which causes the highest reduction of the gap over time.

90 **3.6.Z102**
 91 **guard**
 92 part of the appliance specifically designed to provide protection by means of a physical barrier

93 **3.7 Modification:**

94 *Delete the following definition:*

95 **3.7.102**
 96 **entrapment protection system**
 97 part of the appliance that protects against shearing, crushing or being held captive

98 *Modification:*

99 *Renumber the definitions as follows:*

100 3.7.103 to 3.7.102 and

101 3.7.104 to 3.7.103

102 **3.8 Addition:**

103 **3.8.Z101**
 104 **area open to the public**
 105 area in which the general public including **children** can enter

106 Note Z1 to entry: Examples are dining areas in restaurants, coffee shops, canteens.

107 **5 Modification to Clause 4, General requirement**

108 *This clause of Part 1 is applicable except as follows:*

109 *Add to the first paragraph:*

110 Appliance shall be constructed in such a way that they ensure transportation, installation, adjusting,
 111 maintenance are carried out safely.

112 **6 Modification to Clause 7, Marking and instructions**

113 **7.1 Add the following after the first sentence:**

114 **Partly completed machinery** shall be marked with their **rated load** in newtons (N) or newton-metres (Nm).

115 Replace the fourth and fifth dashed items in part 1 by:

- 116 – business name and full address of the manufacturer and, where applicable, his authorized representative;
- 117 – model or type reference, serial number, if any, and production year;

118 NOTE Z101 Production year is the year when the production process is completed. The production year can be a part of
 119 the serial number.

120 *Add a new dashed item in the first paragraph of part 1:*

- 121 – designation of the appliance.

122 NOTE Z102 The designation may be a combination of letters and/or numbers and has to enable to identify the machine as
 123 specified in the instructions.