



SLOVENSKI STANDARD

SIST EN 61995-1:2008

01-julij-2008

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Devices for the connection of luminaires for household and similar purposes - Part 1:
General requirements (IEC 61995-1:2005, modified)

Betriebsmittel für den Anschluss von Leuchten für Haushalt und ähnliche Zwecke - Teil
1: Allgemeine Anforderungen (IEC 61995-1:2005, modifiziert)

Dispositifs de connexion pour luminaires pour usage domestique et analogue - Partie 1:
Exigences générales (CEI 61995-1:2005, modifiée)

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Ta slovenski standard je istoveten z: EN 61995-1:2008

ICS:

29.120.20	Spojni elementi	Connecting devices
29.140.40	Svetila	Luminaires

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en

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**Devices for the connection of luminaires
for household and similar purposes -
Part 1: General requirements
(IEC 61995-1:2005, modified)**

Dispositifs de connexion pour luminaires
pour usage domestique et analogue -
Partie 1: Exigences générales
(CEI 61995-1:2005, modifiée)

Betriebsmittel für den Anschluss von
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und ähnliche Zwecke -
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(IEC 61995-1:2005, modifiziert)

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This European Standard was approved by CENELEC on 2008-04-01. 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, 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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of the International Standard IEC 61995-1:2005, prepared by SC 23B, Plugs, socket-outlets and switches, of IEC TC 23, Electrical accessories, together with common modifications prepared by the Technical Committee CENELEC TC 23BX, D.C. plugs and socket outlets and switches for household and similar fixed electrical installations, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 61995-1 on 2008-04-01.

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) 2009-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2013-04-01

Annexes ZA and ZB have been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 61995-1:2005 was approved by CENELEC as a European Standard with agreed common modifications as given below.

COMMON MODIFICATIONS

1 Scope

Replace the first three paragraphs by:

This standard applies to devices for the connection of luminaires (DCL) intended for household and similar purposes, for the electrical connection of fixed luminaires of class I or class II to final circuits rated at not more than 16 A without providing a mechanical support for the luminaire. DCLs are intended for use according to their IP rating per EN 60529.

Outlets have an earthing contact and a rated current of 6 A, plugs are rated at 6 A.

The rated voltage is 250 V at 50 Hz.

Replace NOTE 2 and its contents by NOTE 2 Void.

3 Terms and definitions

Add the following new definition:

3.Z1

DCL temporary lampholder

independent lampholder designed in order to be temporarily connected to a DCL outlet, in compliance with the corresponding standards.

Moreover this lampholder is provided with a DCL rewirable plug (2P + E) to be used for the connection of a luminaire later

7 Classification

7.3.1.1 **Replace** the NOTE and its contents by NOTE Void.

9 Checking of dimensions

9.2 **Replace** the first paragraph by the following new paragraph:

DCL types classified according to 7.1 b) as other types shall comply with the relevant specification and shall not

- be interchangeable with any socket-outlet systems of IEC 60083 and EN 60309-2,
- create a hazardous situation with DCL types complying with the standard sheets of Part 2 or any existing DCL or any socket-outlet systems of IEC 60083 and EN 60309-2.

10 Protection against electric shock

10.2.2 **Replace** NOTE 2 and its contents by NOTE 2 Void.

11 Provision for earthing

11.4 Add after the first paragraph the following new paragraph:

For DCL with resilient earthing contact where the contact pressure is not dependant on insulating material, the connection between the earthing contact of the DCL outlet and that of the DCL plug shall be of low resistance.

Replace the first sentence of the compliance by:

Compliance is checked by the following test after the tests of Clauses 18 and 19.

Add at the end of the second paragraph of the compliance:

and for DCL's with earthing contacts between the DCL outlet earthing terminal and DCL plug earthing terminal.

12 Terminal and terminations

12.1 General

Delete in Table 1 the two rows related to signal terminals.

13 Construction of DCL outlets

13.6.2 Add in Table 9, first column, last row:

“and clearances” after “creepage distances”

16 Insulation resistance and electric strength

16.2 Replace the second paragraph by:

The test voltage shall be 2 000 V.

18 Marking and breaking capacity

Replace the tenth paragraph by the following new paragraph:

The tests are carried out at 250 V.

19 Temperature rise

19.3 Replace the second paragraph by the following new paragraph:

For accessories designed and constructed so that the contact pressure in the earthing socket-contact assemblies is reliant on the insulating material additional separate tests shall be made passing the current through the earthing contact and the phase or neutral contact whichever is nearer.

20 Force necessary to insert and withdraw the plug

Replace in the last but one paragraph “4 N” by “10 N”.

Delete the last paragraph.

Bibliography

Add the following notes for the standards indicated:

IEC 60228	NOTE Harmonized as HD 383 S2 (modified). HD 383 S2 is superseded by EN 60228:2005, which is based on IEC 60228:2004 (not modified).
IEC 60470	NOTE Harmonized as EN 60470:2000 (not modified).
IEC 60598-1	NOTE Harmonized as EN 60598-1:2004 (modified).
IEC 60670-1	NOTE Harmonized as EN 60670-1:2005 (modified).
IEC 60999-1	NOTE Harmonized as EN 60999-1:2000 (not modified).
IEC 61140	NOTE Harmonized as EN 61140:2001 (not modified).
ISO 2039-2	NOTE Harmonized as EN ISO 2039-2:1999 (not modified).

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Annexes

Add the following new Annexes ZA and ZB:

Annex ZA (normative)

Special national conditions

Special national condition: National characteristic or practice that cannot be changed even over a long period, e.g. climatic conditions, electrical earthing conditions.

NOTE If it affects harmonization, it forms part of the European Standard.

For the countries in which the relevant special national conditions apply these provisions are normative, for other countries they are informative.

<u>Clause</u>	<u>Special national condition</u>
1	<p>Belgium, France, Germany, Italy</p> <p>Only DCL types with a standardised interface according to EN 61995-2 are used.</p>
7.3.1.1	<p>Denmark SIST EN 61995-1:2008</p> <p>Only DCL plugs for connection of flexible cables are allowed.</p>
9.2	<p>Denmark</p> <p>For many years Denmark has had a supporting 10 A DCL system on the market.</p> <p>Add the following indent after the last indent:</p> <ul style="list-style-type: none"> – be interchangeable with or create a hazardous situation with this special Danish DCL system
10.2.2	<p>Denmark</p> <p>Due to the lack of an earthing conductor in many existing old buildings luminaires with DCL plugs requiring earth connection cannot normally be used.</p>

Annex ZB (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 60068-2-32	1975	Environmental testing - Part 2: Tests - Test Ed: Free fall	EN 60068-2-32 ¹⁾	1993
IEC 60068-2-75	1997	Environmental testing - Part 2: Tests - Test Eh: Hammer tests	EN 60068-2-75	1997
IEC 60112	- ²⁾	Method for the determination of the proof and the comparative tracking indices of solid insulating materials	EN 60112	2003 ³⁾
IEC 60227-5	- ²⁾⁴⁾	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V - Part 5: Flexible cables (cords)	-	-
IEC 60417	Data- base	Graphical symbols for use on equipment	-	-
IEC 60529	- ²⁾	Degrees of protection provided by enclosures (IP Code)	EN 60529 + corr. May 2008	1991 ³⁾ 1993
IEC 60695-2-11	- ²⁾	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products	EN 60695-2-11	2001 ³⁾
IEC 61032	1997	Protection of persons and equipment by enclosures - Probes for verification	EN 61032	1998

¹⁾ EN 60068-2-32 includes A2:1990 to IEC 60068-2-32.

²⁾ Undated reference.

³⁾ Valid edition at date of issue.

⁴⁾ HD 21.5:1994 + A1:1999 + A2:2001, which is related to, but not directly equivalent with IEC 60227-5, applies instead.

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CEI
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61995-1

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**Dispositifs de connexion pour luminaires pour
usage domestique et analogue –**

**Partie 1:
Exigences générales**

iTeh STANDARD PREVIEW

**Devices for the connection of luminaires for
household and similar purposes –**

SIST EN 61995-1:2008

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**Part 1:
General requirements**

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International Electrotechnical Commission
Международная Электротехническая Комиссия

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**DEVICES FOR THE CONNECTION OF LUMINAIRES
FOR HOUSEHOLD AND SIMILAR PURPOSES –**
Part 1: General requirements

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 61995-1 has been prepared by subcommittee 23B: Plugs, socket-outlets and switches, of IEC technical committee 23: Electrical accessories.

The text of this standard is based on the following documents:

FDIS	Report on voting
23B/776/FDIS	23B/782/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

IEC 61995 consists of the following parts, under the general title *Devices for the connection of luminaires for household and similar purposes*:

Part 1: General requirements

Part 2: Standard sheets

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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