



IEC 61995-2

Edition 1.0 2009-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Devices for the connection of luminaires for household and similar purposes –
Part 2: Standard sheets for DCL
[ITEH STANDARD PREVIEW
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Dispositifs de connexion pour luminaires pour usage domestique et analogue –
Partie 2: Feuilles de norme pour DCL
[IEC 61995-2-2009
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**DEVICES FOR THE CONNECTION OF LUMINAIRES
FOR HOUSEHOLD AND SIMILAR PURPOSES –****Part 2: Standard sheets for DCL****FOREWORD**

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International Standard IEC 61995-2 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/919/FDIS	23B/925/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.

This standard is to be read in conjunction with IEC 61995-1.

A list of all the parts in the IEC 61995 series, under the general title *Devices for the connection of luminaires for household and similar purposes*, can be found on the IEC website.

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

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- withdrawn,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

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DEVICES FOR THE CONNECTION OF LUMINAIRES FOR HOUSEHOLD AND SIMILAR PURPOSES –

Part 2: Standard sheets for DCL

1 Scope

This part of IEC 61995, which is to be read in conjunction with IEC 61995-1, applies to devices for the connection of luminaires (DCL) 250 V, 6 A a.c. intended for household and similar purposes, for the electrical connection to final circuits rated not more than 16 A, without providing mechanical support for the luminaire.

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

THE STANDARD PREVIEW (standards.iteh.ai)

3 Requirements and tests

Devices for the connection of luminaires shall comply with all the relevant requirements of Part 1 (IEC 61995-1). In particular, <https://standards.iteh.ai/catalog/standards/sist/5094434d-013a-4672-951e-1c46e22e7f17/iec-61995-2-2009>

- devices for the connection of luminaires classified according to 7.1 a) in Part 1 shall comply with the relevant standard sheets of this Part 2;
- these devices require provision of information in accordance with Subclause 8.3 of Part 1;
- these devices shall comply with Clause 20 of Part 1 with the following modification.

Replacement of the last two paragraphs in Clause 20 of Part 1 by the following new paragraph:

In no single movement shall the force required to insert or withdraw the plug exceed 50 N nor shall it be less than 10 N.

4 Standard sheets

This part contains the following Standard Sheets:

Standard Sheet 1-1: DCL outlet, 6 A 250 V a.c. 2 P + E

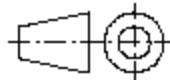
Standard Sheet 1-2: DCL plug, 6 A 250 V a.c. 2 P + E

Standard Sheet 1-3: DCL plug, 6 A 250 V a.c. 2 P

Standard sheet 1-4: Gauge for testing DCL plug functions

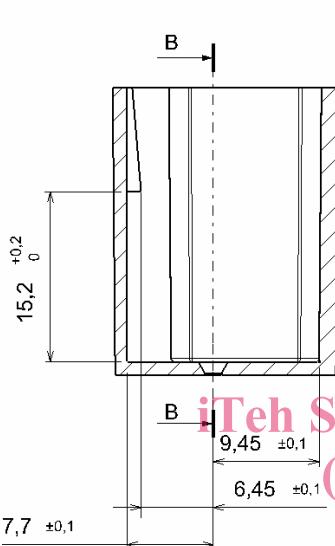
This part of IEC 61995 contains also an example of the use of the above DCL inserted in a flush type box in a ceiling (see Figure 1).

**DEVICES FOR THE CONNECTION OF LUMINAIRES
FOR HOUSEHOLD AND SIMILAR PURPOSES
STANDARD SHEET 1-1**

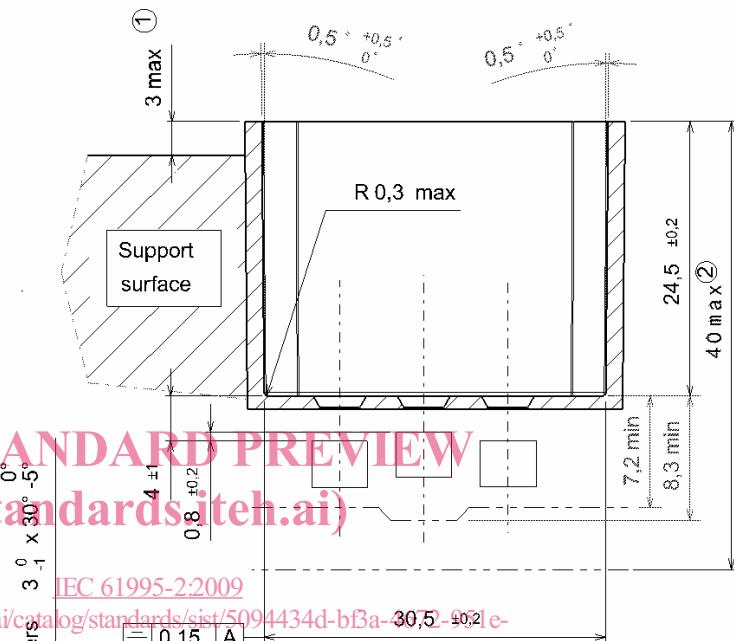


Dimensions in millimetres

SECTION : A-A



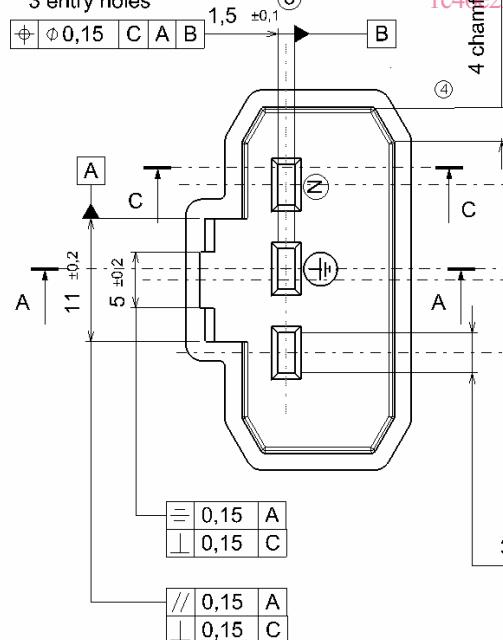
SECTION : B-B



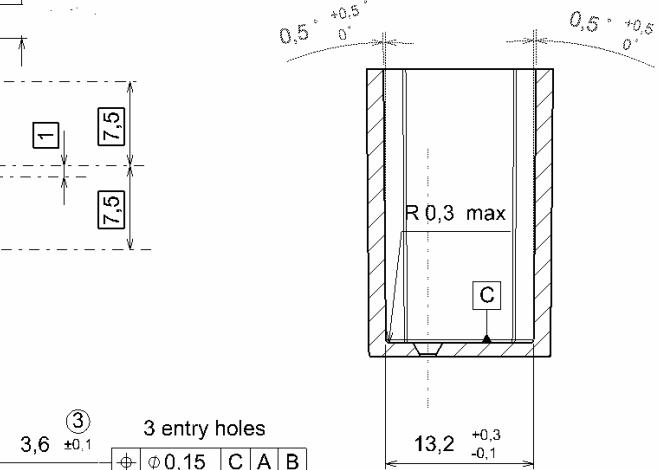
IEC 61995-2:2009

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3 entry holes



SECTION : C-C



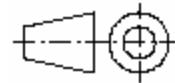
IEC 136/09

Radius without dimensions: 0.5 mm max.

- 1 This dimension concerns only the flush type DCL outlet.
 - 2 The overall dimension of the DCL outlet shall be less than or equal to 40 mm.
 - 3 Entry holes slightly rounded or sloped to ensure an easy introduction of the pins of the DCL plug.
 - 4 Angle $0,5^{\circ}$ $^{+0,5^{\circ}}_{0^{\circ}}$ concerns also chamfers.

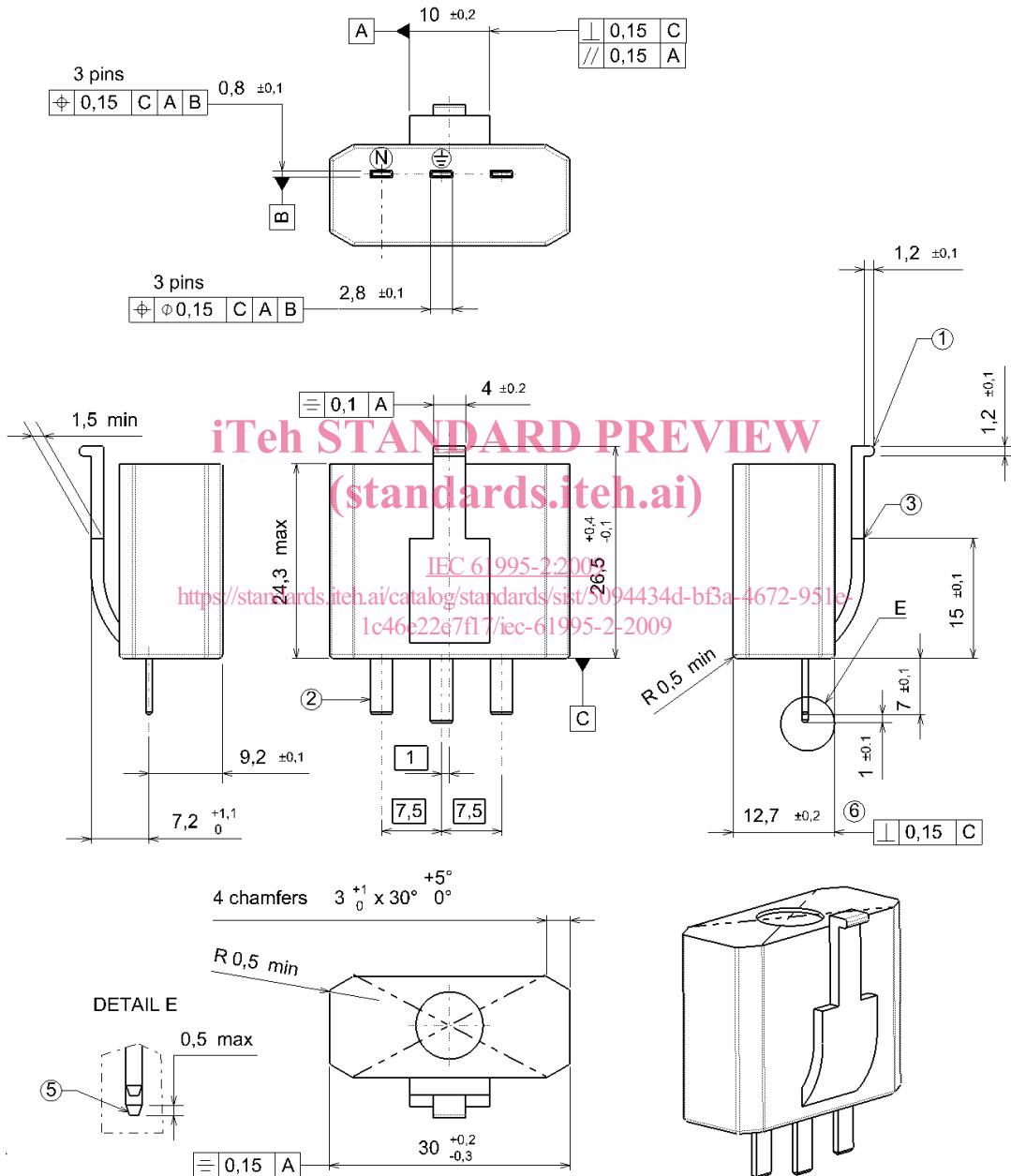
**DEVICES FOR THE CONNECTION OF LUMINAIRES
FOR HOUSEHOLD AND SIMILAR PURPOSES
STANDARD SHEET 1-2**

DCL PLUG 6 A 250 V a.c. 2 P +



Dimensions in millimetres

The drawing is intended only to illustrate the dimensions essential for interchangeability.

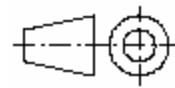


IEC 137/09

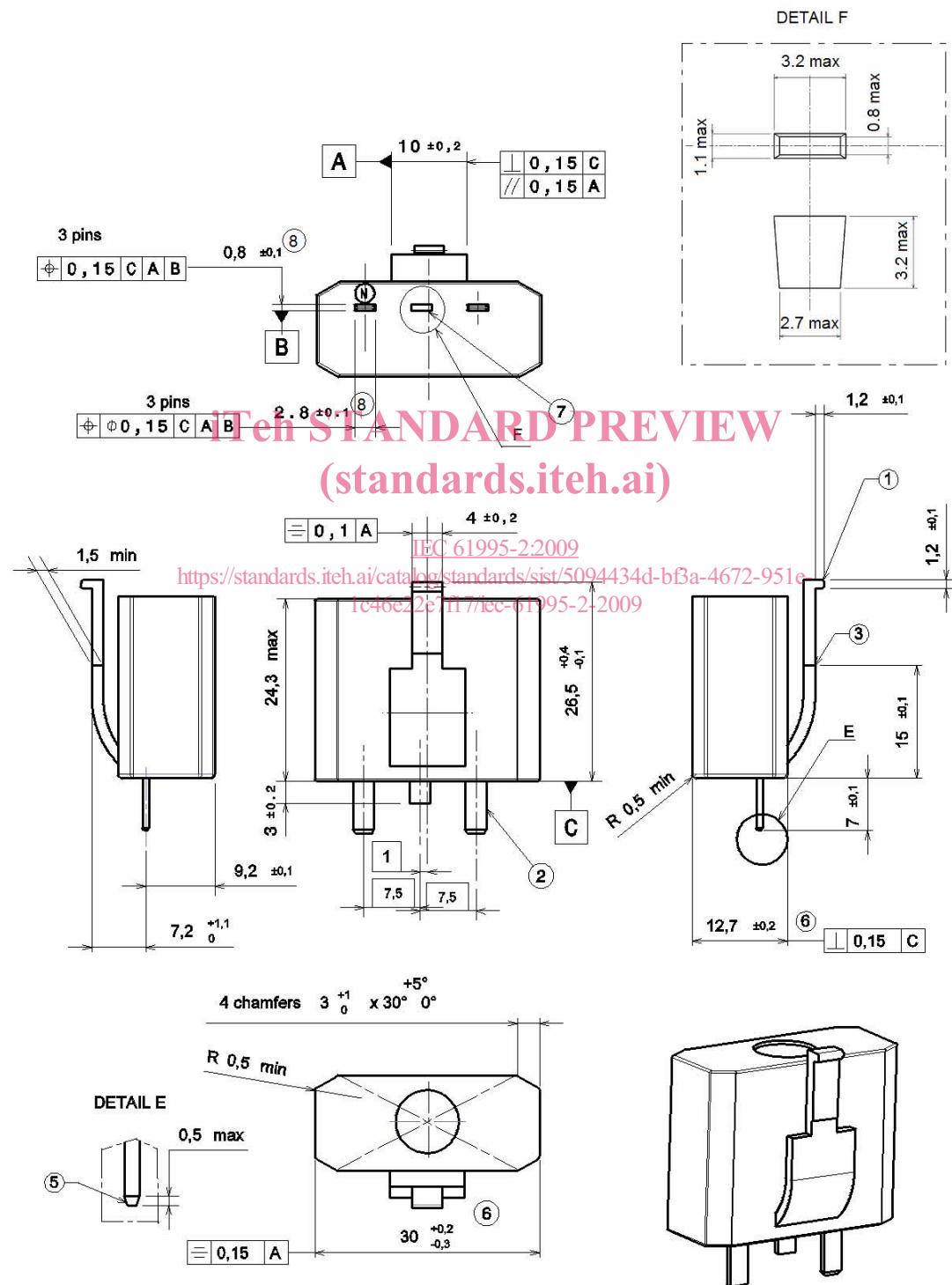
Radius without dimensions: 0,5 mm min.

- This part shall be resilient.
- The section of the pins of the DCL plug shall have the same dimensions.
- The retention means shall be designed by the DCL plug manufacturer to ensure the withdrawal force according to Clause 3.
- The DCL plug shall enter without undue force into the min. gauge, representing the smallest possible entry hole.
- The pins of the DCL plug shall be slightly rounded or sloped to ensure their easy introduction in the entry holes of the DCL outlet.
- This dimension shall be kept within 6 mm min. from the reference face C.

**DEVICES FOR THE CONNECTION OF LUMINAIRES
FOR HOUSEHOLD AND SIMILAR PURPOSES**
STANDARD SHEET 1-3
DCL PLUG 6 A 250 V a.c. 2 P



Dimensions in millimetres
The drawing is intended only to illustrate the dimensions essential for interchangeability.



Radius without dimensions : 0,5 mm min.

- 1 This part shall be resilient.
- 2 The section of the pins of the DCL plug shall have the same dimensions.
- 3 The retention means shall be designed by the DCL plug manufacturer to ensure the withdrawal force according to Clause 3.
- 4 The DCL plug shall enter without undue force into the min. gauge, representing the smallest possible entry hole.
- 5 The pins of the DCL plug shall be slightly rounded or sloped to ensure their easy introduction in the entry holes of the DCL outlet.
- 6 This dimension shall be kept within 6 mm min. from the reference face C.
- 7 This dummy pin shall be of insulating material.
- 8 These dimensions apply to L and N pins.

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