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INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

**Dispositifs de connexion pour luminaires pour usage domestique et analogue –
Partie 1: Exigences générales**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

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IEC 61995-1 has been prepared by subcommittee 23B: Plugs, socket-outlets and switches, of IEC technical committee 23: Electrical accessories. It is an International Standard.

This second edition cancels and replaces the first edition published in 2005 and Amendment 1:2016. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

- a) additional requirements and tests for additional suspension means;
- b) additional requirements and tests for additional functions;
- c) additional requirements and tests for floating type DCLs;
- d) introduction of insulation piercing terminals (IPT);
- e) additional classification according to the connection capacities of the DCL outlet terminals;

- f) modification of maximum withdrawal force for plugs with enabled locking means;
- g) improvements of temperature rise tests.

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

Draft	Report on voting
23B/1573/FDIS	23B/1581/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 61995 series, published under the general title *Devices for the connection of luminaires for household and similar purposes*, can be found on the IEC website.

In this document, the following print types are used:

- compliance statements: *in italic type*.

This document was drafted in accordance with ISO/IEC Directive, 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/publications.

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

- reconfirmed,
- withdrawn, or
- revised.

1 Scope

This document 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 mechanical support for the luminaires incorporated in the plug/outlet interface. The DCL retention mechanisms are not intended to support the weight of the luminaires.

- DCL plugs and outlets have a rated current of 6 A.
- DCL outlets have an earthing contact.

The rated voltage is 125 V or 250 V at 50/60 Hz.

- DCLs with additional suspension means are limited to a maximum mass of 5 kg.
- DCL plugs and DCL outlets complying with this document are suitable for use at ambient temperatures not normally exceeding +40 °C, but their average over a period of 24 h does not exceed + 35 °C, with a lower limit of the ambient air temperature of –5 °C.
- DCLs are intended for use according to their IP rating as specified in IEC 60529.

This document gives additional requirements for DCL accessories provided with insulation-piercing terminals, see Annex B (normative).

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 60068-2-31:2008, *Environmental testing - Part 2-31: Tests - Test Ec: Rough handling shocks, primarily for equipment-type specimens*

IEC 60068-2-75:2014, *Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests*

IEC 60112:2020, *Method for the determination of the proof and the comparative tracking indices of solid insulating materials*

IEC 60227-5:2024, *Polyvinyl chloride insulated cables of rated voltages up to and including 450/750V - Part 5: Flexible cables (cords)*

IEC 60417, *Graphical symbols for use on equipment*, available at <http://www.graphical-symbols.info/equipment>

IEC 60529:1989, *Degrees of protection provided by enclosures (IP Code)*

IEC 60529:1989/AMD1:1999

IEC 60529:1989/AMD2:2013

IEC 60695-2-11:2021, *Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products (GWEPT)*

IEC 61032:1997, *Protection of persons and equipment by enclosures - Probes for verification*

IEC 61995-2:2025, *Devices for the connection of luminaires for household and similar purposes - Part 2: Standard sheets*

ISO/IEC Guide 51:2014, *Safety aspects - Guidelines for their inclusion in standards*