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SIST EN IEC 61995-1:2026

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Devices for the connection of luminaires for household and similar purposes - Part 1: General requirements (IEC 61995-1:2025)

Betriebsmittel für den Anschluss von Leuchten für Haushalt und ähnliche Zwecke - Teil 1: Allgemeine Anforderungen (IEC 61995-1:2025)

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Dispositifs de connexion pour luminaires pour usage domestique et analogue - Partie 1: Exigences générales (IEC 61995-1:2025)

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ICS:

29.120.20	Spojni elementi	Connecting devices
29.140.40	Svetila	Luminaires

SIST EN IEC 61995-1:2026 **en,fr,de**

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EN IEC 61995-1

June 2026

ICS 29.120.20; 29.140.40

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English Version

Devices for the connection of luminaires for household and similar purposes - Part 1: General requirements (IEC 61995-1:2025)

Dispositifs de connexion pour luminaires pour usage domestique et analogue - Partie 1: Exigences générales (IEC 61995-1:2025)

Betriebsmittel für den Anschluss von Leuchten für Haushalt und ähnliche Zwecke - Teil 1: Allgemeine Anforderungen (IEC 61995-1:2025)

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European foreword

The text of document 23B/1573/FDIS, future edition 2 of IEC 61995-1, prepared by SC 23B "Plugs, socket-outlets and switches" of IEC/TC 23 "Electrical accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61995-1:2026.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2027-06-30
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This document is read in conjunction with EN IEC 61995-1:2026/A11:2026.

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

For the relationship with EU Legislation, see informative Annex ZZ, which is an integral part of EN IEC 61995-1:2026/A11:2026.

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IEC 60228:2023	NOTE	Approved as EN IEC 60228:2024 (not modified)
IEC 60598-1:2024	NOTE	Approved as EN IEC 60598-1:2024 (not modified) + A11:2024
IEC 60999-1:1999	NOTE	Approved as EN 60999-1:2000 (not modified)
IEC 61140:2016	NOTE	Approved as EN 61140:2016 (not modified)
ISO 1456:2009	NOTE	Approved as EN ISO 1456:2009 (not modified)
ISO 2039-2:1987	NOTE	Approved as EN ISO 2039-2:1999 (not modified)

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IEC 61995-1

Edition 2.0 2025-08

INTERNATIONAL STANDARD

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

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

FOREWORD

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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;

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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 Directives, 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.

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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.

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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*

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3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia: available at https://www.electropedia.org/
- ISO Online browsing platform: available at https://www.iso.org/obp

NOTE 1 Where the terms voltage and current are used, they imply RMS values, unless otherwise specified in this document.

NOTE 2 Throughout this document the word "earthing" is used for "protective earthing".

NOTE 3 The term "accessory" is used as a general term covering DCL plugs and DCL outlets.

3.1
device for connecting a luminaire
DCL
system comprising a DCL outlet and a DCL plug providing a fixed luminaire with electrical connection to and disconnection from a fixed installation

Note 1 to entry: The designations DCL, DCL outlet or DCL plug, are used when it is necessary to specify particular requirements and test specifications.

3.2
DCL outlet
device for connecting a luminaire having socket-contacts designed to engage with the pins of a DCL plug and having terminals for the connection of cable

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3.3
DCL plug
device for connecting a luminaire having pins designed to engage with the contacts of a DCL outlet

3.4
rewirable DCL plug
DCL plug so constructed that the flexible cable can be replaced

3.5
non-rewirable DCL plug
DCL plug so constructed that it forms a complete unit with the flexible cable after connection and assembly by the manufacturer of the plug (see also 14.1)

3.6
moulded-on DCL plug
non-rewirable DCL plug, the manufacture of which is completed by insulating material moulded around pre-assembled component parts and the terminations of the flexible cable

3.7
rated voltage
voltage assigned by the manufacturer for a specified operating condition of an accessory

[SOURCE: IEC 60050-442:1998, 442-01-03, modified – the specific use "(for accessories)" has been omitted.]

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3.8
rated current
current assigned by the manufacturer for specified operating condition of an accessory

[SOURCE: IEC 60050-442:1998, 442-01-02, modified – the specific use "(for accessories)" has been omitted.]

3.9
fixed DCL outlet
DCL outlet intended to be installed at a fixed location and be connected to fixed wiring

Note 1 to entry: An example of a fixed DCL outlet and plug is shown in Figure 1.

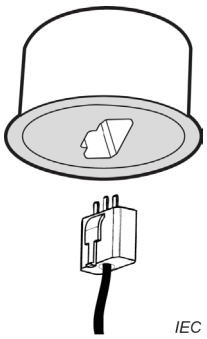


Figure 1 – Example of fixed DCL outlet and plug

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3.10
mounting box
box in or on a wall or ceiling, etc., for flush or surface application, intended to house a DCL outlet

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3.11
terminal
insulated or non-insulated connecting device intended for reusable electrical connection of the external conductors

3.12
termination
insulated or non-insulated connecting device intended for non-reusable electrical connection of the external conductors

3.13
clamping unit
part(s) of the terminal necessary for the mechanical clamping and the electrical connection of the conductor(s), including the parts which are necessary to ensure correct contact pressure

[SOURCE: IEC 60050-442:1998, 442-06-12]

3.14
screw-type terminal
terminal for the connection and subsequent disconnection of one conductor or the interconnection and subsequent disconnection of two or more conductors, the connection being made, directly or indirectly, by means of screws or nuts of any kind

Note 1 to entry: The terms of definitions 3.14 to 3.17 are examples of screw-type terminals.

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