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Plugs and socket-outlets for household and similar purposes – Part 2-8: Particular requirements for socket-outlets for furniture

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PLUGS AND SOCKET-OUTLETS FOR HOUSEHOLD AND SIMILAR PURPOSES –

Part 2-8: Particular requirements for socket-outlets for furniture

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IEC 60884-2-8 has been prepared by subcommittee 23B: Plugs, socket-outlets and switches, of IEC technical committee 23: Electrical accessories. It is an International Standard.

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

Draft	Report on voting
23B/1557/FDIS	23B/1568/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.

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.

This document is to be used in conjunction with IEC 60884-1:2022.

This document supplements or modifies the corresponding clauses in IEC 60884-1:2022, so as to convert that publication into the IEC Standard: Particular requirements for socket-outlets for furniture.

Where this document states "addition", "modification" or "replacement", the relevant requirement, test specifications or explanatory matter in IEC 60884-1:2022 shall be adapted accordingly.

Subclauses, figures, tables or notes which are additional to those in IEC 60884-1:2022 are numbered starting from 101.

A list of all parts in the IEC 60884 series, published under the general title *Plugs and socket-outlets for household and similar purposes*, can be found on the IEC website.

The following print types are used:

– requirements: in roman type;
– test specifications: in *italic* type;
– notes: in small roman type.

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

- reconfirmed,
- withdrawn, or
- revised.

INTRODUCTION

This document defines particular requirements applying to socket-outlets for furniture.

These socket-outlets are neither considered fixed accessories (because they are not permanently connected to the fixed installation) nor portable accessories, because they are intended to be used when fixed to furniture. The requirements applying to these socket-outlets are those for fixed accessories or portable accessories according to their specific environment of use.

PLUGS AND SOCKET-OUTLETS FOR HOUSEHOLD AND SIMILAR PURPOSES –

Part 2-8: Particular requirements for socket-outlets for furniture

1 Scope

Replacement:

This document applies to socket-outlets for furniture for AC only, with or without earthing contact, with or without supply cable, with a rated voltage greater than 50 V but not exceeding 440 V and a rated current not exceeding 32 A, intended for household and similar purposes, either indoors or outdoors.

This document covers socket-outlets for furniture which are intended to be built into or fixed into furniture and are not intended to be moved from one place to another without removing the fixing means.

NOTE 1 The furniture on which the socket-outlet is fixed can be movable.

This document covers socket-outlets for furniture which are intended to be connected to the electrical installation either permanently, for example by means of an installation coupler according to IEC 61535, or non-permanently by means of a plug.

The rated current is limited to 16 A maximum for socket-outlets for furniture that are provided with screwless-type terminals.

This document covers only those requirements for mounting boxes which are necessary for the tests on the socket-outlet for furniture.

NOTE 2 Requirements for general purpose mounting boxes are given in IEC 60670-1.

This document does not cover socket-outlets for appliances covered by IEC 60884-2-2.

This document does not cover portable accessories such as:

– Adaptors covered by IEC 60884-2-5;
– Cord extension sets covered by IEC 60884-2-7;
– Cable reels covered by IEC 61242.

Socket-outlets for furniture intended to be used as a cord extension set (portable use) are, in addition, covered by IEC 60884-2-7.

Socket-outlets for furniture complying with this document are suitable for use at ambient temperatures not normally exceeding +40 °C, but their average temperature over a period of 24 h does not exceed +35 °C, with a lower limit of the ambient air temperature of −5 °C.

In locations where special conditions prevail, such as in ships, vehicles and the like and in hazardous locations, for example where explosions are liable to occur, additional requirements can be applicable.

This document gives additional requirements for socket-outlets for furniture incorporating USB power supply, see Annex AA.

This document gives additional requirements for socket-outlets for furniture incorporating electronic components to perform additional functions, see Annex BB.

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 60884-1:2022, Clause 2 is applicable with the following additions:

Addition:

IEC 60884-1:2022, *Plugs and socket-outlets for household and similar purposes – Part 1: General requirements*

IEC 60884-3-1:2021, *Plugs and socket-outlets for household and similar purposes – Part 3-1: Particular requirements for socket-outlets incorporating USB power supply*

IEC 60884-3-2, *Plugs and socket-outlets for household and similar purposes – Particular requirements for accessories incorporating electronic components to perform additional functions*[1]

IEC 61535:2023, *Installation couplers intended for permanent connection in fixed installations*

[1] Under preparation. Stage at time of publication: IEC ACDV 60884-3-2:2025.