

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Plugs and socket-outlets for household and similar purposes –
Part 2-5: Particular requirements for adaptors**

**Prises de courant pour usages domestiques et analogues –
Partie 2-5: Exigences particulières pour les adaptateurs**



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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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IEC 60884-2-5

Edition 2.0 2017-05

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INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 29.120.30

ISBN 978-2-8322-5820-0

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

PLUGS AND SOCKET-OUTLETS FOR HOUSEHOLD AND SIMILAR PURPOSES –

Part 2-5: Particular requirements for adaptors

FOREWORD

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International Standard IEC 60884-2-5 has been prepared by subcommittee 23B: Plugs, socket-outlets and switches, of IEC technical committee 23: Electrical accessories.

This bilingual version (2018-07) corresponds to the monolingual English version, published in 2017-05.

This second edition cancels and replaces the first edition published in 1995. This edition constitutes a technical revision.

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

- a) a general alignment with IEC 60884-1:2002, Amendment 1:2006 and Amendment 2:2013;
- b) new and modified definitions;

- c) requirements for travel adaptors, for adaptors with additional functions and for adaptors with a cable outlet;
- d) requirements for adaptors with incorporated overcurrent protective devices;
- e) requirement to warn against inserting an adaptor into another adaptor;
- f) new requirements for the construction and shape of the adaptors.

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

FDIS	Report on voting
23B/1242/FDIS	23B/1246/RVD

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

The French version of this standard has not been voted upon.

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

This Part 2-5 shall be used in conjunction with IEC 60884-1. It was established on the basis of the third edition of IEC 60884-1 (2002) and of its Amendments 1 (2006) and 2 (2013).

This Part 2-5 supplements or modifies the corresponding clauses in IEC 60884-1, so as to convert that publication into the IEC Standard: Particular requirements for adaptors.

Where this Part 2-5 states "addition", "modification" or "replacement", the relevant requirement, test specifications or explanatory matter in Part 1 shall be adapted accordingly.

Subclauses, figures, tables or notes which are additional to those in Part 1 are numbered starting from 101. Additional annexes are lettered starting from AA.

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 committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. at this date, the document will be

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

PLUGS AND SOCKET-OUTLETS FOR HOUSEHOLD AND SIMILAR PURPOSES –

Part 2-5: Particular requirements for adaptors

1 Scope

Replacement:

This part of IEC 60884 applies to adaptors for a.c. only with or without earthing contact, 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 also applies to travel adaptors (see Annex AA). For travel adaptors the scope is limited to a voltage rating greater than 50 V but not exceeding 250 V and to a current rating not exceeding 20 A.

Travel adaptors allowing the simultaneous connection of two or more plugs are not covered by this document.

NOTE 1 In the following countries the use of non-shuttered adaptors is not allowed: BE, CN, DK, ES, FR, IT, NO, MY, PT, SE, SG, UK, ZA.

NOTE 2 In the following countries adaptors having IP classes below IPX4 shall be provided with shutters: FI.

NOTE 3 In the following countries fused adaptors are not allowed: ZA.

NOTE 4 In the following countries rewirable external flexible cables connected to adaptors are not allowed: ZA.

NOTE 5 In the following countries, travel adaptors shall not be used for charging electrical vehicles: CH, SE.

This document covers the requirements for adaptors with additional functions, however the additional function itself is not covered by this standard.

NOTE 6 Examples of additional functions are electronic power supply units, dimmers, timers, protection devices, infrared switches.

This document does not apply to adaptors incorporating connectors according to IEC 60320 (all parts).

Adaptors 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.

NOTE 7 Tests for temperatures below normal range are under consideration.

2 Normative references

This clause of Part 1 is applicable except as follows:

Addition:

IEC 60127-2, *Miniature fuses – Part 2: Cartridge fuse-links*

IEC 60127-3, *Miniature fuses – Part 3: Sub-miniature fuse-links*