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Responsible committee: PEL/23 Electrical accessories

Interested committees:

Title: Draft BS EN 60906-2/A1 IEC system of plugs and socket-outlets for household and similar purposes

Part 2: Plugs and socket-outlets 15 A 125 V a.c. and 20 A 125 V a.c.

Please notify the secretary if you are aware of any keywords that might assist in classifying or identifying the standard or if the content of this standard

- i) has any issues related to 3rd party IPR, patent or copyright
- ii) affects other national standard(s)
- iii) requires additional national guidance or information

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Responsible Committee Secretary: **Mr Simon Bounds (BSI)**Direct tel: **0208 996 7281**E-mail: simon.bounds@bsigroup.com

Introduction

This draft standard is based on national and international discussions. Your comments on this draft are invited and will assist in the preparation of the consequent standard.

For international standards, comments will be reviewed by the relevant UK national committee before sending the consensus UK vote and comments to the international committee, which will then decide appropriate action. If the international standard is approved, it is usual for the text to be published as a British Standard.

For national standards, comments will be reviewed by the relevant UK national committee and the resulting standards published as a British Standard.

UK Vote

Please indicate whether you consider the UK should submit a negative (with supporting technical reasons) or positive vote on this draft. Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.

Submission of Comments

- **Annotated drafts are not acceptable and will be rejected.**
- All comments should be submitted online at <https://standardsdevelopment.bsigroup.com/>. You will need to register in order to comment.

Template for comments and secretariat observations

Date: xx/xx/20xx	Document: ISO/DIS xxxx
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1	2	(3)	4	5	(6)	7
MB	Clause No./ Subclause No./Annex (e.g. 3.1)	Paragraph/Figure/ Table/Note	Type of comment	Commend (justification for change) by the MB	Proposed change by the MB	Secretariat observations on each comment submitted
	3.1	Definition 1	ed	Definition is ambiguous and needs clarifying.	Amend to read '...so that the mains connector to which no connection...'	
	6.4	Paragraph 2	te	The use of the UV photometer as an alternative cannot be supported as serious problems have been encountered in its use in the UK.	Delete reference to UV photometer.	



23B/1497/CD

COMMITTEE DRAFT (CD)

PROJECT NUMBER:

IEC 60906-2/AMD1 ED3

DATE OF CIRCULATION:

2023-12-15

CLOSING DATE FOR COMMENTS:

2024-03-08

SUPERSEDES DOCUMENTS:

23B/1488/RR

IEC SC 23B : PLUGS, SOCKET-OUTLETS AND SWITCHES

SECRETARIAT:

Italy

SECRETARY:

Mr Cristiano Masini

OF INTEREST TO THE FOLLOWING COMMITTEES:

PROPOSED HORIZONTAL STANDARD:

☐

Other TC/SCs are requested to indicate their interest, if any, in this CD to the secretary.

FUNCTIONS CONCERNED:

☐ EMC

☐ ENVIRONMENT

☐ QUALITY ASSURANCE

☒ SAFETY

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Recipients of this document are invited to submit, with their comments, notification of any relevant patent rights of which they are aware and to provide supporting documentation.

Recipients of this document are invited to submit, with their comments, notification of any local regulations or technical reasons that may exist and should be considered should this proposal proceed, recognizing that failure to address such requirements could result in the need for new or existing "In Some Countries" clauses. (SEE [AC/22/2007](#) OR [NEW GUIDANCE DOC](#)).

TITLE:

Amendment 1 - IEC system of plugs and socket-outlets for household and similar purposes - Part 2: Plugs and socket-outlets 15 A 125 V a.c. and 20 A 125 V a.c.

NOTE FROM TC/SC OFFICERS:

This proposed amendment includes the following changes:

- revision to Standard Sheet 7 on the slot dimensions from centre line position.
- revision to Figure 2 on the slot dimensions from centre line position.
- revision to Figure 4 on the slot dimensions from centre line position

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COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

**SYSTÈME CEI DE PRISES DE COURANT POUR
USAGES DOMESTIQUES ET ANALOGUES –****Partie 2: Prises de courant 15 A 125 V courant alternatif
et 20 A 125 V courant alternatif**

AVANT-PROPOS

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La Norme Internationale CEI 60906-2 a été établie par le sous-comité 23C: Prise de courant universelle, du comité d'études 23 de la CEI: Petit appareillage.

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**IEC SYSTEM OF PLUGS AND SOCKET-OUTLETS
FOR HOUSEHOLD AND SIMILAR PURPOSES –****Part 2: Plugs and socket-outlets
15 A 125 V a.c. and 20 A 125 V a.c.**

FOREWORD

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International Standard IEC 60906-2 has been prepared by subcommittee 23C: World-wide plug and socket-outlet systems, of IEC technical committee 23: Electrical accessories.

96 INTRODUCTION

97 L'objet de cette partie de la CEI 60906 est de fournir une norme pour un système CEI 125 V de
98 prises de courant sûres, compactes et pratiques, qui puisse être acceptée par de nombreux
99 pays comme leur norme nationale, à partir de maintenant ou dans un avenir proche. Il est donc
100 recommandé que tout pays ayant besoin d'un système nouveau ou de remplacement pour une
101 gamme de tensions nominales de 100 V à 130 V en courant alternatif adopte cette norme
102 comme sa seule norme nationale.

103

104

INTRODUCTION

105 The object of this part of IEC 60906 is to provide a standard for a safe, compact and practical
106 IEC 125 V system of plugs and socket-outlets that could be accepted by many countries as their
107 national standard, now or in the near future. It is therefore recommended that any country in
108 need of a new or replacement system for the nominal voltage range 100 V to 130 V a.c. adopt
109 this standard as its only national standard.

110

SYSTÈME CEI DE PRISES DE COURANT POUR USAGES DOMESTIQUES ET ANALOGUES –

Partie 2: Prises de courant 15 A 125 V courant alternatif et 20 A 125 V courant alternatif

1 Domaine d'application

Cette partie de la CEI 60906 s'applique au système CEI de prises de courant de caractéristiques assignées 15 A 125 V en courant alternatif et 20 A 125 V en courant alternatif, pour usages domestiques et analogues, pour le raccordement de matériels à des systèmes de distribution ayant des tensions nominales comprises entre 100 V et 130 V en courant alternatif en ce qui concerne les exigences dimensionnelles.

Les socles de cette norme sont classés, en fonction de l'utilisation prévue, en

- a) socles pour circuits, où un circuit unique de mise à la terre assure la mise à la terre pour un matériel qui y est relié et, le cas échéant, pour les parties conductrices exposées du socle, ou
- b) socles pour les circuits, où l'immunité contre le bruit électrique est souhaitée pour le circuit de mise à la terre du matériel relié. Le circuit de mise à la terre du matériel est électriquement séparé du circuit de mise à la terre de protection pour les éventuelles parties conductrices exposées du socle.

Pour les prises de courant de caractéristiques assignées 16 A 250 V en courant alternatif pour usages domestiques et analogues, se reporter à la CEI 60906-1.

2 Références normatives

Les documents de référence suivants sont indispensables pour l'application du présent document. Pour les références datées, seule l'édition citée s'applique. Pour les références non datées, la dernière édition du document de référence s'applique (y compris les éventuels amendements).

CEI 60417, *Symboles graphiques utilisables sur le matériel*

CEI 60884-1:2002, *Prises de courant pour usages domestiques et analogues – Partie 1: Règles générales*
Amendement 1 (2006)¹

ISO 1101, *Spécification géométrique des produits (GPS) – Tolérancement géométrique – Tolérancement de forme, orientation, position et battement*

¹ Il existe une édition consolidée 3.1 (2006) de la CEI 60884-1 comprenant l'édition 3 (2002) et son amendement 1 (2006).

IEC SYSTEM OF PLUGS AND SOCKET-OUTLETS FOR HOUSEHOLD AND SIMILAR PURPOSES –

Part 2: Plugs and socket-outlets 15 A 125 V a.c. and 20 A 125 V a.c.

1 Scope and object

This part of 60906 applies to the IEC system of plugs and socket-outlets rated 15 A 125 V a.c. and 20 A 125 V a.c. for household and similar purposes, for the connection of equipment to distribution systems having nominal voltages between 100 V and 130 V a.c. in so far as dimensional requirements are concerned.

Socket-outlets in this standard are classified according to intended use, in

a) socket-outlets for circuits where a single earthing circuit provides protective earthing for connected equipment and exposed conductive parts of the socket-outlet, if any;

b) socket-outlets for circuits where electrical noise immunity is desired for the earthing circuit of connected equipment. The equipment earthing circuit is electrically separated from the protective earthing circuit provided for the exposed conductive parts of the socket-outlet, if any.

For plugs and socket-outlets rated 16 A 250 V a.c. for household and similar purposes, refer to IEC 60906-1.

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 60417, *Graphical symbols for use on equipment*

IEC 60884-1:2002, *Plugs and socket-outlets for household and similar purposes - Part 1 General requirements*
Amendment 1 (2006)²

ISO 1101, *Geometrical Product Specifications (GPS) – Geometrical tolerancing – Tolerances of form, orientation, location and run-out*

² There exists a consolidated edition 3.1 (2006) of IEC 60884-1 that includes edition 3 (2002) and its amendment 1 (2006).