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Project No. 2010/02450

Responsible committee: CPL/34/2 Lamp caps and holders

Interested committees:

Title: BS EN IEC 60061 Amendment 61 - Lamp caps and holders together with gauges for the control of interchangeability and safety

Part 1: Lamps Caps

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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THIS DRAFT IS NOT CURRENT BEYOND 12 March 2020**

This draft is issued to allow comments from interested parties; all comments will be given consideration prior to publication. No acknowledgement will normally be sent. **See overleaf for information on the submission of comments.**

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Responsible Committee Secretary: **Committee Service Centre (BSI)**
Direct tel: **020 8996 7009**
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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 Please indicate if you are aware of any reason why this draft standard should not be published as a British Standard.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.	

PROJECT NUMBER: IEC 60061-1/AMD61 ED3	
DATE OF CIRCULATION: 2020-01-17	CLOSING DATE FOR VOTING: 2020-04-10
SUPERSEDES DOCUMENTS: 34B/2062/RR	

IEC SC 34B : LAMP CAPS AND HOLDERS	
SECRETARIAT: Germany	SECRETARY: Mr Hans Finke
OF INTEREST TO THE FOLLOWING COMMITTEES:	PROPOSED HORIZONTAL STANDARD: ☐ Other TC/SCs are requested to indicate their interest, if any, in this CDV to the secretary.
FUNCTIONS CONCERNED: ☐ EMC ☐ ENVIRONMENT ☐ QUALITY ASSURANCE ☒ SAFETY	
☒ SUBMITTED FOR CENELEC PARALLEL VOTING Attention IEC-CENELEC parallel voting The attention of IEC National Committees, members of CENELEC, is drawn to the fact that this Committee Draft for Vote (CDV) is submitted for parallel voting. The CENELEC members are invited to vote through the CENELEC online voting system.	☐ NOT SUBMITTED FOR CENELEC PARALLEL VOTING

This document is still under study and subject to change. It should not be used for reference purposes.

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.

TITLE:

Amendment 61 - Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 1: Lamps Caps

PROPOSED STABILITY DATE: 2022

NOTE FROM TC/SC OFFICERS:

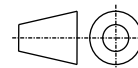
This project is based on proposals of GTB-WG-LS and was reviewed and accepted by SC 34B/WG 2 to be circulated as CDV. SC 34B agreed to start the maintenance cycle during its meeting 2019-10-21 (Decision 2019/04).

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CAPS

CULOTS

PGJ19



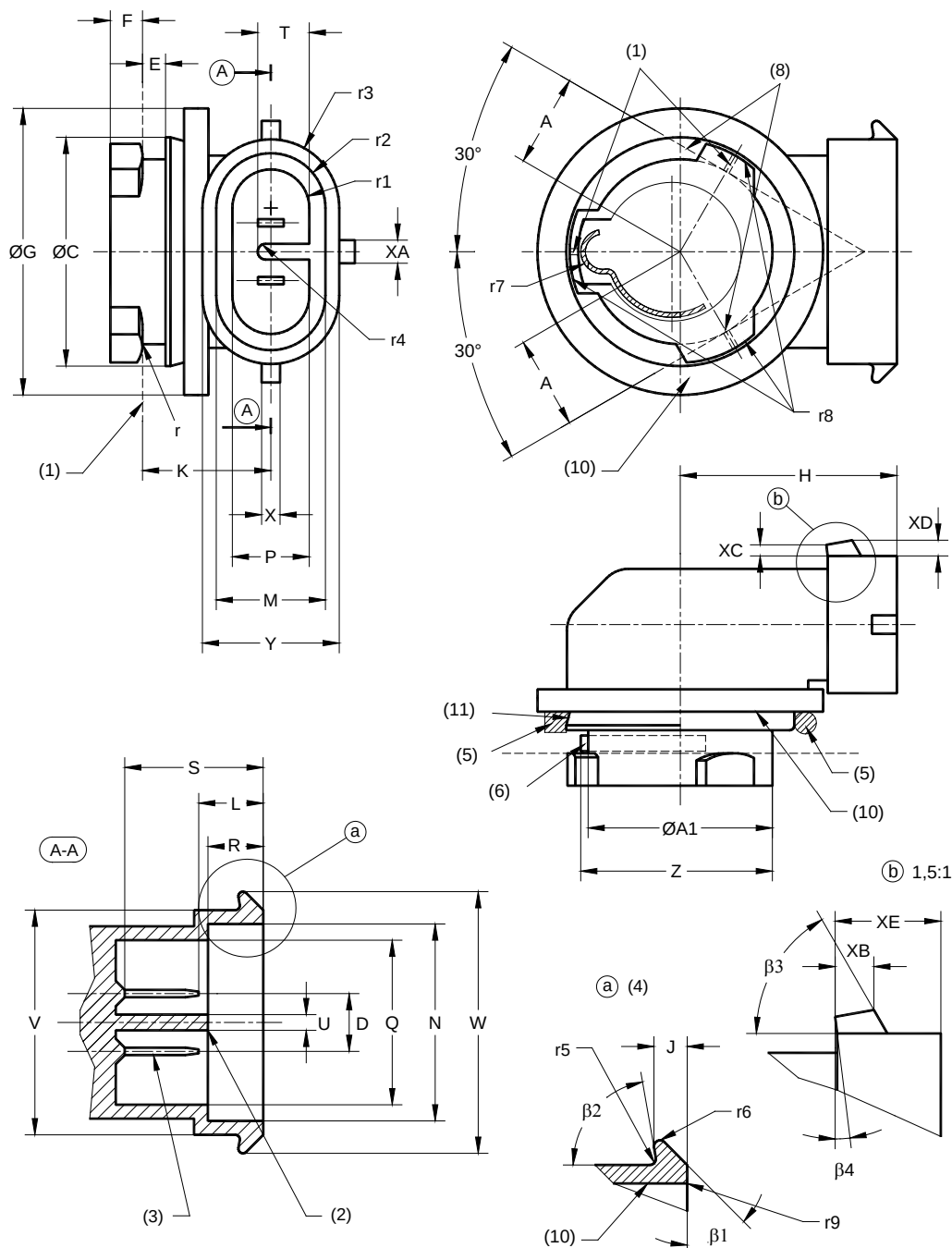
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Dimensions in millimetres - Dimensions en millimètres

The drawing is intended only to illustrate the dimensions essential for interchangeability.
Le dessin a pour seul but d'illustrer les dimensions essentielles pour l'interchangeabilité.

For details of holders PGJ19, see sheet 7005-110.

Pour les détails des douilles PGJ19, voir feuille 7005-110.



Only the PGJ19-1 cap is shown. For missing dimensions and different designations, see page 3/3

Seul le culot PGJ19-1 est représenté. Pour les dimensions manquantes et les désignations différentes, voir page 3/3

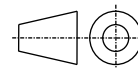
Proposal for a revision of

7004-110-2

CAPS

CULOTS

PGJ19



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Dimensions in millimetres - Dimensions en millimètres

Dimension	Min.	Max.
A (8)		9,5
A1	--	19,0
C	25,1	25,5
D (9)		6,1
E	3,0	--
F	--	4,0
G	31,4	31,6
H	--	24
J	2,5	2,9
K	14	15
L (3)	5,25	6,75
M	11,75	12,05
N	21,15	21,45
P	8,2	8,5
Q	17,65	17,95
R	5,85	6,15
S	15,85	--
V	24,0	24,6
W	28,15	28,45
X	1,85	2,15

Dimension	Min.	Max.
XA	2,4	2,6
XB	2,7	2,9
XC	1,1	1,3
XD	1,6	1,8
XE	7,4	7,6
Y	14,85	15,15
Z	--	21,4 (7)
r	--	0,2
r1	P/2	
r2	M/2	
r3	Y/2	
r5	--	0,55
r6	--	0,55
r7 (6)	1,0	2,0
r8	12,15	12,25
r9	0,7	0,9
β1	Approx. 45 °	
β2	Approx. 80 °	
β3	58°	62°
β4	0°	7°

- (1) The reference plane shall consist of three planes, formed by the tops of the ramps, having widths between 1 mm and 2 mm. The "ramps" shall have lead-in angles to aid insertion of the cap into the lampholder.
- (2) The edges of the keys shall be radiused.
- (3) For all other dimensions of connector tab, **see ISO 8092-1: 2,8 x 0,8 ON or ISO 8092-3: 2,8 x 0,8**
- (4) The hook(s) is (are) provided for holding the electrical connector in place.
- (5) O-ring or equivalent seal. For the calculation of the thickness of the seal, holder dimensions C and E shall be taken into account, together with the minimum force requirement of note (6).
- (6) The spring is intended to press the lamp in the V-support of the lampholder with a minimum force of 10 N (under consideration). The axial force, pressing the cap against the seal shall be applied after the spring has pushed the lamp into the V-support and shall be at least 5 N (under consideration). The spring is also intended for retention and should "click" over the holder retention indent.
- (7) Spring in rest position.
- (8) V-support. Dimension A defines the reference for the V-support. The cylinder with radius A needs not be continuous over its full diameter and length. Its shape shall, with an exception for the spring, nowhere exceed a diameter of 19,1 mm.
- (9) To be checked by means of the gauges shown on sheets 7006-110 and 7006-110A.
- (10) Smooth surface for sealing gasket.
- (11) A groove is allowed, if this improves the tightness of the seal.

- (1) Le plan de référence doit être constitué à partir des trois plans formés par les sommets des décrochements ayant une largeur comprise entre 1 mm et 2 mm. Les décrochements doivent avoir un angle d'introduction pour faciliter l'introduction du culot dans la douille.
- (2) La ou les arêtes de la ou des clés doivent être arrondies.
- (3) Pour la languette de connexion, **voir ISO 8092-1: 2,8 x 0,8 ON ou ISO 8092-3: 2,8 x 0,8.**
- (4) Le ou les crochets sont destinés à tenir le connecteur électrique en place.
- (5) Joint torique ou joint équivalent. Pour le calcul de l'épaisseur du joint, on doit tenir compte des dimensions C et E de la douille ainsi que de la prescription de force minimum de la note (6).
- (6) Le ressort est prévu pour appuyer la lampe dans le support en V de la douille avec une force minimum de 10 N (à l'étude). La force axiale, appuyant le culot contre joint doit être appliquée après que le ressort ait poussé la lampe dans le support V et doit avoir une valeur minimale de 5 N (à l'étude). Le ressort est également prévu pour le maintien et il convient qu'il "clique" sur l'onglet de maintien de la douille.
- (7) Ressort en position de repos.
- (8) Support V. La dimension A définit la référence du support en V. Il n'est pas nécessaire que le cylindre de rayon A se poursuive au-delà du diamètre et de la longueur complète. Sa forme ne doit en aucun endroit, à l'exception du ressort, excéder un diamètre de 19,1 mm.
- (9) A vérifier au moyen des calibres représentés sur les feuilles 7006-110 et 7006-110A.
- (10) Surface lisse pour joint de scellement.
- (11) Une rondelle est autorisée si cela améliore la compression du joint.