



SLOVENSKI STANDARD

SIST EN 61184:2018

01-maj-2018

Nadomešča:

SIST EN 61184:2008

SIST EN 61184:2008/A1:2011

Bajonetni okovi za žarnice in sijalke (IEC 61184:2017)

Bayonet lampholders (IEC 61184:2017)

Bajonett-Lampenfassungen (IEC 61184:2017)

Douilles à baïonnette (IEC 61184:2017)

ITEH STANDARD PREVIEW
(standards.iteh.ai)

[SIST EN 61184:2018](http://standards.iteh.ai/catalog/standards/sist/en-61184-2018)

Ta slovenski standard je istoveten z: **EN 61184:2017**

<http://standards.iteh.ai/catalog/standards/sist/en-61184-2018>
<https://standards.iteh.ai/catalog/standards/sist/en-61184-2018>

ICS:

29.140.10 Grla in držala žarnic Lamp caps and holders

SIST EN 61184:2018

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 61184:2018

<https://standards.iteh.ai/catalog/standards/sist/5060a519-eaf2-4663-87cc-be3248d98e0a/sist-en-61184-2018>

EUROPEAN STANDARD

EN 61184

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2017

ICS 29.140.10

Supersedes EN 61184:2008

English Version

**Bayonet lampholders
(IEC 61184:2017)**Douilles à baïonnette
(IEC 61184:2017)Bajonett-Lampenfassungen
(IEC 61184:2017)

This European Standard was approved by CENELEC on 2017-06-26. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.

<https://standards.iteh.ai/catalog/standards/sist/5060a519-eaf2-4663-87cc-be3248d98e0a/sist-en-61184-2018>



European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 61184:2017**European foreword**

The text of document 34B/1898/FDIS, future edition 4 of IEC 61184, prepared by SC 34B “Lamp caps and holders” of IEC/TC 34 “Lamps and related equipment” was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61184:2017.

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) 2018-03-26
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2020-06-26

This document supersedes EN 61184:2008.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

This document has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s).

For the relationship with EU Directive(s) see informative Annex ZZ, which is an integral part of this document.

iTeh STANDARD PREVIEW
(standards.iteh.ai)
Endorsement notice

The text of the International Standard IEC 61184:2017 was approved by CENELEC as a European Standard without any modification. [SIST EN 61184:2018](https://standards.iteh.ai/catalog/standards/sist/5060a519-eaf2-4663-87cc-)

<https://standards.iteh.ai/catalog/standards/sist/5060a519-eaf2-4663-87cc->

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60061-4	NOTE	Harmonized as EN 60061-4.
IEC 60064	NOTE	Harmonized as EN 60064.
IEC 60238	NOTE	Harmonized as EN 60238.
IEC 60664-4:2005	NOTE	Harmonized as EN 60664-4:2005.
IEC 60838-1:2016	NOTE	Harmonized as EN 60838-1:2017.
IEC 61058-1	NOTE	Harmonized as EN 61058-1.
IEC 61347-1:2015	NOTE	Harmonized as EN 61347-1:2015.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60061-1	-	Lamp caps and holders together with gauges for the control of interchangeability and safety -- Part 1: Lamp caps	EN 60061-1	-
IEC 60061	series	Lamp caps and holders together with gauges for the control of interchangeability and safety	EN 60061	series
IEC 60061-2	-	Lamp caps and holders together with gauges for the control of interchangeability and safety -- Part 2: Lampholders	EN 60061-2	-
IEC 60061-3	-	Lamp caps and holders together with gauges for the control of interchangeability and safety -- Part 3: Gauges	EN 60061-3	-
IEC 60068-2-75	2014	Environmental testing - Part 2-75: Tests - Test Eh: Hammer tests	EN 60068-2-75	2014
IEC 60112	2003	Method for the determination of the proof and the comparative tracking indices of solid insulating materials	EN 60112	2003
+ A1	2009		+ A1	2009
IEC 60227	series	Polyvinyl chloride insulated cables of rated voltages up to and including 450/750 V		series
IEC 60245	series	Rubber insulated cables - Rated voltages up to and including 450/750 V	-	series
IEC 60399	-	Barrel thread for lampholders with shade holder ring	EN 60399	-
IEC 60417	-	Graphical symbols for use on equipment. Index, survey and compilation of the single sheets.	-	-
IEC 60432	series	Incandescent lamps - Safety specifications	EN 60432	series
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529	1991
-	-		+ corrigendum May 1993	
+ A1	1999		+ A1	2000
+ A2	2013		+ A2	2013
IEC 60598-1	-	Luminaires -- Part 1: General requirements and tests	EN 60598-1	-
IEC 60664-1	2007	Insulation coordination for equipment within low-voltage systems -- Part 1: Principles, requirements and tests	EN 60664-1	2007
IEC 60695-2-11	2014	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products (GWEPT)	EN 60695-2-11	2014
IEC 60695-11-5	-	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	EN 60695-11-5	-

EN 61184:2017

ISO 4046-4	2016	Paper, board, pulps and related terms - Vocabulary - Part 4: Paper and board grades and converted products	-	-
------------	------	--	---	---

**iTeh STANDARD PREVIEW
(standards.iteh.ai)**

[SIST EN 61184:2018](#)

<https://standards.iteh.ai/catalog/standards/sist/5060a519-eaf2-4663-87cc-be3248d98e0a/sist-en-61184-2018>

Annex ZZ
(informative)

Relationship between this European standard and the safety objectives of Directive 2014/35/EU [2014 OJ L96] aimed to be covered

This European standard has been prepared under a Commission's standardisation request relating to harmonised standards in the field of the Low Voltage Directive, M/511, to provide one voluntary means of conforming to safety objectives of Directive 2014/35/EU of the European Parliament and of the Council of 26 February 2014 on the harmonisation of the laws of the Member States relating to the making available on the market of electrical equipment designed for use within certain voltage limits [2014 OJ L96].

Once this standard is cited in the Official Journal of the European Union under that Directive, compliance with the normative clauses of this standard given in Table ZZ.1 confers, within the limits of the scope of this standard, a presumption of conformity with the corresponding safety objectives of that Directive, and associated EFTA regulations.

Table ZZ.1 – Correspondence between this European standard and Annex I of Directive 2014/35/EU [2014 OJ L96]

Safety objectives of Directive 2014/35/EU	Clause(s) / sub-clause(s) of this EN	Remarks / Notes
1. General conditions		
a) the essential characteristics, the recognition and observance of which will ensure that electrical equipment will be used safely and in applications for which it was made, shall be marked on the electrical equipment, or, if this is not possible, on an accompanying document;	Clause 8 SIST EN 61184:2018	
b) the electrical equipment, together with its component parts, shall be made in such a way as to ensure that it can be safely and properly assembled and connected;	All clauses	
c) the electrical equipment shall be so designed and manufactured as to ensure that protection against the hazards set out in points 2 and 3 is assured, providing that the equipment is used in applications for which it was made and is adequately maintained.	See item 2 and 3 of this table	
2. Protection against hazards arising from the electrical		

EN 61184:2017

equipment Measures of a technical nature shall be laid down in accordance with point 1, in order to ensure that:		
a) persons and domestic animals are adequately protected against the danger of physical injury or other harm which might be caused by direct or indirect contact;	Clauses 4, 9, 10, 11, 12, 13, 14, 15 and 17	
b) temperatures, arcs or radiation which would cause a danger, are not produced;	Clauses 13, 15, 18, 19 and 20	
c) persons, domestic animals and property are adequately protected against non-electrical dangers caused by the electrical equipment which are revealed by experience;	Clauses 4, 13, 16 and 21	
d) the insulation is suitable for foreseeable conditions.	Clauses 10, 12, 13, 16, 18, 19 and 20	
3. Protection against hazards which may be caused by external influences on the electrical equipment Technical measures shall be laid down in accordance with point 1, in order to ensure that the electrical equipment:	<p>STANDARD PREVIEW (standards.iteh.ai)</p> <p>SIST EN 61184:2018 standards.iteh.ai/catalog/standards/sist/5060a519-eaf2-4663-87cc-be3248d98e0a/sist-en-61184-2018</p>	
a) meets the expected mechanical requirements in such a way that persons, domestic animals and property are not endangered;	Clauses 8, 9, 13, 16 and 21	
b) is resistant to non-mechanical influences in expected environmental conditions, in such a way that persons, domestic animals and property are not endangered;	Clauses 13, 15, 18, 19 and 20	
c) does not endanger persons, domestic animals and property in foreseeable conditions of overload.	Clauses 13, 15, 19 and 20	

WARNING 1: Presumption of conformity stays valid only as long as a reference to this European standard is maintained in the list published in the Official Journal of the European Union. Users of this standard should consult frequently the latest list published in the Official Journal of the European Union.

WARNING 2: Other Union legislation may be applicable to the product(s) falling within the scope of this standard.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 61184:2018

<https://standards.iteh.ai/catalog/standards/sist/5060a519-eaf2-4663-87cc-be3248d98e0a/sist-en-61184-2018>

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 61184:2018

<https://standards.iteh.ai/catalog/standards/sist/5060a519-eaf2-4663-87cc-be3248d98e0a/sist-en-61184-2018>



IEC 61184

Edition 4.0 2017-05

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Bayonet lampholders **STANDARD PREVIEW**
(standards.iteh.ai)
Douilles à baïonnette

[SIST EN 61184:2018](https://standards.iteh.ai/catalog/standards/sist/5060a519-eaf2-4663-87cc-be3248d98e0a/sist-en-61184-2018)
<https://standards.iteh.ai/catalog/standards/sist/5060a519-eaf2-4663-87cc-be3248d98e0a/sist-en-61184-2018>

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

COMMISSION
ELECTROTECHNIQUE
INTERNATIONALE

ICS 29.140.10

ISBN 978-2-8322-4361-9

Warning! Make sure that you obtained this publication from an authorized distributor.
Attention! Veuillez vous assurer que vous avez obtenu cette publication via un distributeur agréé.

CONTENTS

FOREWORD.....	4
INTRODUCTION.....	6
1 Scope.....	7
2 Normative references.....	7
3 Terms and definitions.....	8
3.1 Materials.....	8
3.2 Means of fixing.....	9
4 General requirements.....	13
5 General conditions for tests.....	13
6 Standard ratings.....	14
6.1 Standard rated voltage.....	14
6.2 Standard rated currents.....	15
7 Classification.....	15
8 Marking.....	16
9 Dimensions.....	18
10 Protection against electric shock.....	19
11 Terminals.....	20
12 Provision for earthing.....	22
13 Construction.....	24
14 Switched lampholders.....	28
15 Moisture resistance, insulation resistance and electrical strength.....	29
16 Mechanical strength.....	31
17 Screws, current-carrying parts and connections.....	34
18 Creepage distances and clearances.....	35
19 General resistance to heat.....	37
20 Resistance to heat, fire and tracking.....	41
21 Resistance to excessive residual stresses (season cracking) and to rusting.....	43
Annex A (normative) Season cracking/corrosion test.....	61
A.1 General.....	61
A.2 Test cabinet.....	61
A.3 Test solution.....	61
A.4 Test procedure.....	62
Annex B (informative) Schedule of amended clauses and subclauses containing more serious/critical requirements which require products to be retested.....	63
Bibliography.....	64
Figure 1 – Loading device (see 16.1).....	44
Figure 2 – Bending apparatus (see 16.4).....	45
Figure 3 – Gauge for holes for backplate lampholders screws (see 13.11).....	46
Figure 4 – Clarification of some of the definitions in Clause 3.....	47
Figure 5 – Test cap B15d (see 19.3).....	48
Figure 6 – Test cap B22d (see 19.3).....	49
Figure 7 – Testing device (see 10.1).....	50

Figure 8 – Dimensions for shade support devices (see 9.1)	51
Figure 9 – Dimensions for protective shields for B22d lampholders (see 10.1)	52
Figure 10 – Test cap B15d (see 15.3)	53
Figure 11 – Test cap B22d (see 15.3)	54
Figure 12 – Typical apparatus for the heating test (see 19.5)	56
Figure 13 – Nipple thread for lampholders – Basic profile and design profile for the nut and for the screw	56
Figure 14 – Gauges for metric thread for nipples	57
Figure 15 – Impact-test apparatus	58
Figure 16 – Mounting support	59
Figure 17 – Ball-pressure test apparatus.....	59
Figure 18 – Pressure apparatus	60
Table 1 – Dimensions of threaded entries and set screws	19
Table 2 – Minimum dimensions of pillar type terminals.....	21
Table 3 – Limits for contact forces	24
Table 4 – Pull and torque values.....	27
Table 5 – Heights of fall	33
Table 6 – Maximum deformation values	34
Table 7 – Torque values	35
Table 8 – Minimum distances for AC (50/60 Hz) sinusoidal voltages – Impulse withstand category II.....	36
Table 9 – Heating cabinet temperature	37
Table 10 – Heating cabinet temperature	38
Table 11 – Test temperature and test lamp data	40
Table A.1 – pH adjustment.....	61

INTERNATIONAL ELECTROTECHNICAL COMMISSION

BAYONET LAMPHOLDERS

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC itself does not provide any attestation of conformity. Independent certification bodies provide conformity assessment services and, in some areas, access to IEC marks of conformity. IEC is not responsible for any services carried out by independent certification bodies.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61184 has been prepared by subcommittee 34B: Lamp caps and holders, of IEC technical committee 34: Lamps and related equipment.

This fourth edition cancels and replaces the third edition published in 2008 and Amendment 1:2011. This edition constitutes a technical revision.

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

- a) Restructuring of the standard in accordance with IEC Directives Part 2.
- b) Clause 18: Update on creepage distances and clearances;
- c) Addition of Annex B.

The text of this standard is based on the following documents:

FDIS	Report on voting
34B/1898/FDIS	34B/1905/RVD

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

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

In this standard, the following print types are used:

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

The committee has decided that the contents of the base publication and its amendments will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

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

iTeh STANDARD PREVIEW (standards.iteh.ai)

[SIST EN 61184:2018](#)

<https://standards.iteh.ai/catalog/standards/sist/5060a519-eaf2-4663-87cc-be3248d98e0a/sist-en-61184-2018>