

## საქართველოს სტანდარტი

ედისონის ხრახნიანი ნათურის ვაზნები (იეკ 60238:2016)

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თბილისი

# სსტ ენ იეკ 60238:2018/2020

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English Version

**Edison screw lampholders  
(IEC 60238:2016)**

Douilles à vis Edison pour lampes  
(IEC 60238:2016)

Lampenfassungen mit Edisongewinde  
(IEC 60238:2016)

This European Standard was approved by CENELEC on 2016-08-18. 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.

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## European foreword

The text of document 34B/1852/FDIS, future edition 9 of IEC 60238, 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 IEC 60238:2018.

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 2018-09-23
- latest date by which the national standards conflicting with the document have to be withdrawn 2021-03-23

This document supersedes EN 60238:2004.

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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.

## Endorsement notice

The text of the International Standard IEC 60238:2016 was approved by CENELEC as a European Standard without any modification.

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

IEC 60061	NOTE	Harmonized in EN 60061 series.
IEC 60061-4	NOTE	Harmonized as EN 60061-4.
IEC 60068-2-20	NOTE	Harmonized as EN 60068-2-20.
IEC 60335-1:2001	NOTE	Harmonized as EN 60335-1:2002 (modified).
IEC 60335-2-24:2002	NOTE	Harmonized as EN 60335-2-24:2003 (not modified).
IEC 60598	NOTE	Harmonized in EN 60598 series.
IEC 60664-1	NOTE	Harmonized as EN 60664-1.
IEC 60695-2-10	NOTE	Harmonized as EN 60695-2-10.

## 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](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60061-1 (mod)	1969	Lamp caps and holders together with gauges for the control of interchangeability and safety -- Part 1: Lamp caps	EN 60061-1	1993
IEC 60061-2 (mod)	1969	Lamp caps and holders together with gauges for the control of interchangeability and safety -- Part 2: Lampholders	EN 60061-2	1993
IEC 60061-3 (mod)	1969	Lamp caps and holders together with gauges for the control of interchangeability and safety -- Part 3: Gauges	EN 60061-3	1993
IEC 60068-2-32	1975	Basic environmental testing procedures -- Part 2: Tests - Test Ed: Free fall	-	-
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 -- Part 1: General requirements	-	-
IEC 60245	series	Rubber insulated cables - Rated voltages-up to and including 450/750 V -- Part 1: General requirements	-	-
IEC 60352-1	1997	Solderless connections -- Part 1: Wrapped connections - General requirements, test methods and practical guidance	EN 60352-1	1997
IEC 60399	2004	Barrel thread for lampholders with shade holder ring	EN 60399	2004
+ A1	2008		+ A1	2008
IEC 60417	2002	Graphical symbols for use on equipment	-	-
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 (mod)	2014	Luminaires -- Part 1: General requirements and tests	EN 60598-1	2015
IEC 60630 (mod)	1994	Maximum lamp outlines for incandescent lamps	EN 60630	1998
+ A7	2014		+ A7	2015

## EN IEC 60238:2018 (E)

IEC 60695-2-11	2014	Fire hazard testing - Part 2-11:EN 60695-2-11 Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products (GWEPT)	2014
IEC 60695-11-5	2016	Fire hazard testing -- Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	2017
IEC 61058-1 (mod)	2000	Switches for appliances -- Part 1: General requirements	2002 <sup>1)</sup>
ISO 4046-4	2002	Paper, board, pulps and related terms -- Vocabulary -- Part 4: Paper and board grades and converted products	-

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1) EN 61058-1:2002 consists of IEC 61058-1:2000 (modified) and IEC 61058-1:2000/A1:2001 (not modified).

**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
<b>1. General conditions</b>		
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	
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	

<p><b>2. Protection against hazards arising from the electrical equipment</b> Measures of a technical nature shall be laid down in accordance with point 1, in order to ensure that:</p>		
<p>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;</p>	<p>Clauses 4, 9, 10, 11, 12, 13, 14, 15 and 17</p>	
<p>b) temperatures, arcs or radiation which would cause a danger, are not produced;</p>	<p>Clauses 13, 15, 18, 19, 20 and 21</p>	
<p>c) persons, domestic animals and property are adequately protected against non-electrical dangers caused by the electrical equipment which are revealed by experience;</p>	<p>Clauses 4, 13, 16, 19 and 22</p>	
<p>d) the insulation is suitable for foreseeable conditions.</p>	<p>Clauses 10, 12, 13, 16, 18, 20 and 21</p>	
<p><b>3. Protection against hazards which may be caused by external influences on the electrical equipment</b> Technical measures shall be laid down in accordance with point 1, in order to ensure that the electrical equipment:</p>		
<p>a) meets the expected mechanical requirements in such a way that persons, domestic animals and property are not endangered;</p>	<p>Clauses 8, 9, 13, 16 and 22</p>	
<p>b) is resistant to non-mechanical influences in expected environmental conditions, in such a way that persons, domestic animals and property are not endangered;</p>	<p>Clauses 13, 15, 18, 20 and 21</p>	
<p>c) does not endanger persons, domestic animals and property in foreseeable conditions of overload.</p>	<p>Clauses 13, 15, 20 and 21</p>	



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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

**Edison screw lampholders**

**Douilles à vis edison pour lampes**





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IEC 60238

Edition 9.0 2016-07

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Edison screw lampholders**

**Douilles à vis edison pour lampes**

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ELECTROTECHNICAL  
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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## EDISON SCREW LAMPHOLDERS

## FOREWORD

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International Standard IEC 60238 has been prepared by subcommittee 34B: Lamp caps and holders, of IEC technical committee 34: Lamps and related equipment.

This ninth edition cancels and replaces the eighth edition published in 2004, Amendment 1: 2008 and Amendment 2:2011. This edition constitutes a technical revision.

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

- a) Addition of a pull test for certain E5 and E10 lampholders.
- b) Annex D listing amended requirements/clauses which require products to be retested.

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

FDIS	Report on voting
34B/1852/FDIS	34B/1860/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:

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