

STN	Objímky na trubicové žiarivky a na štartéry Zmena A2	STN EN 60400/A2 36 0381
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Lampholders for tubular fluorescent lamps and starterholders

Táto norma obsahuje anglickú verziu európskej normy.
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/24

STN EN 60400 z marca 2018 sa bez tejto zmeny A2 môže používať do 23. 7. 2027.

Obsahuje: EN 60400:2017/A2:2024, IEC 60400:2017/AMD2:2022

139609

Úrad pre normalizáciu, metrológiu a skúšobníctvo Slovenskej republiky, 2025
Slovenská technická norma a technická normalizačná informácia je chránená zákonom č. 60/2018 Z. z. o technickej normalizácii v znení neskorších predpisov.

EUROPEAN STANDARD

EN 60400:2017/A2

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2024

ICS 29.140.10

English Version

**Lampholders for tubular fluorescent lamps and starterholders
(IEC 60400:2017/AMD2:2022)**

Douilles pour lampes tubulaires à fluorescence et douilles
pour starters
(IEC 60400:2017/AMD2:2022)

Lampenfassungen für röhrenförmige Leuchtstofflampen und
Starterfassungen
(IEC 60400:2017/AMD2:2022)

This amendment A2 modifies the European Standard EN 60400:2017; it was approved by CENELEC on 2024-07-23. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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.

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

EN 60400:2017/A2:2024 (E)**European foreword**

The text of document 34B/2110/CDV, future IEC 60400/AMD2, prepared by SC 34B "Lamp caps and holders" of IEC/TC 34 "Lighting" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 60400:2017/A2:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2025-04-23 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2027-07-23 document have to be withdrawn

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 standardization request addressed to CENELEC by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

For the relationship with EU Legislation, see informative Annex ZZ, which is an integral part of this document.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

Endorsement notice

The text of the International Standard IEC 60400:2017/AMD2:2022 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

NOTE 1 Where 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.cencenelec.eu.

Replace all references with the following:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60061-2	-	Lamp caps and holders together with gauges for the control of interchangeability and safety - Part 2: Lampholders	EN 60061-2	1993
			+ A1	1995
			+ A2	1995
			+ A3	1995
			+ A4	1996
			+ A5	1996
			+ A6	1996
			+ A7	1997
			+ A18	1998
			+ A19	1999
			+ A20	1999
			+ A21	2000
			+ A22	2001
			+ A23	2001
			+ A24	2001
			+ A25	2002
			+ A26	2002
			+ A27	2002
			+ A28	2003
			+ A29	2003
			+ A30	2003
			+ A31	2004
			+ A32	2005

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		+ A33	2005
		+ A34	2006
		+ A35	2007
		+ A36	2007
		+ A37	2008
		+ A38	2009
		+ A39	2009
		+ A40	2010
		+ A41	2010
		+ A42	2011
		+ A43	2011
		+ A44	2012
		+ A45	2012
		+ A46	2013
		+ A47	2014
		+ A47/AC	2023
		+ A48	2015
		+ A49	2015
		+ A50	2015
		+ A51	2016
		+ A52	2017
		+ A53	2018
		+ A54	2018
		+ A55	2020
		+ A56	2020
		+ A57	2021
		+ A58	2022
		+ A59	2023
IEC 60061-3	-	Lamp caps and holders together with gauges EN 60061-3 for the control of interchangeability and safety - Part 3: Gauges	1993
		+ A1	1995
		+ A2	1995
		+ A3	1995
		+ A4	1996
		+ A5	1996
		+ A6	1996
		+ A7	1997
		+ A20	1998

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+ A21	1999
+ A22	1999
+ A23	2000
+ A24	2001
+ A25	2001
+ A26	2001
+ A27	2002
+ A28	2002
+ A29	2002
+ A30	2003
+ A31	2003
+ A32	2003
+ A33	2004
+ A34	2005
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+ A44	2011
+ A45	2012
+ A46	2012
+ A47	2013
+ A48	2014
+ A49	2015
+ A50	2015
+ A51	2015
+ A52	2016
+ A53	2017
+ A54	2018
+ A55	2018
+ A56	2019
+ A57	2020
+ A58	2020
+ A59	2023
+ A60	2024

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IEC 60068-2-20	2008	Environmental testing - Part 2-20: Tests - Test T: Test methods for solderability and resistance to soldering heat of devices with leads	EN IEC 60068-2-20	2021
IEC 60068-2-75	2014	Environmental testing - Part 2-75: Tests - Eh: Hammer tests	EN 60068-2-75	2014
IEC 60081	-	Double-capped fluorescent lamps Performance specifications	- EN 60081	1998
			+ A1	2002
			+ A2	2003
			+ A3	2005
			+ A4	2010
			+ A5	2013
			+ A6	2017
			+ A11	2018
IEC 60112	2003	Method for the determination of the proof and the comparative tracking indices of solid insulating materials	EN IEC 60112	2020
+ A1	2009			
IEC 60155		Glow-starters for fluorescent lamps	EN 60155	1995
			+ A1	1995
			+ A2	2007
IEC 60352-1	1997	Solderless connections - Part 1: Wrapped connections - General requirements, test methods and practical guidance	EN 60352-1	1997
IEC 60399	-	Barrel thread for lampholders with shade holder ring	EN 60399	2004
			+ A1	2008
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 IEC 60598-1	2021
IEC 60695-2-11	2000	Fire hazard testing - Part 2-11: Glowing/hot-wire based test methods - Glow-wire flammability test method for end-products	EN IEC 60695-2-11	2021
IEC 60695-11-5	2016	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	EN 60695-11-5	2017
ISO 4046-4	2016	Paper, board, pulps and related terms - Vocabulary - Part 4: Paper and board grades and converted products	--	-

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	
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;	Clause 10 and 11	
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 equipment Measures of a technical nature shall be laid down in accordance with point 1, in order to ensure that:		

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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 and 16	
b) temperatures, arcs or radiation which would cause a danger, are not produced;	Clauses 11, 12, 14, 17 and 18	
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, 11, 14, 15 and 19	
d) the insulation is suitable for foreseeable conditions.	Clauses 9, 11, 15, 17 and 18	
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:		
a) meets the expected mechanical requirements in such a way that persons, domestic animals and property are not endangered;	Clauses 8, 11, 15 and 19	
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 11, 13, 17 and 18	
c) does not endanger persons, domestic animals and property in foreseeable conditions of overload.	Clauses 11, 13 and 18	

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.



IEC 60400

Edition 8.0 2022-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 2
AMENDEMENT 2

Lampholders for tubular fluorescent lamps and starterholders

Douilles pour lampes tubulaires à fluorescence et douilles pour starters





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IEC 60400

Edition 8.0 2022-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 2
AMENDEMENT 2

Lampholders for tubular fluorescent lamps and starterholders

Douilles pour lampes tubulaires à fluorescence et douilles pour starters

INTERNATIONAL
ELECTROTECHNICAL
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LAMPS AND STARTER HOLDERS****AMENDMENT 2****FOREWORD**

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Amendment 2 to IEC 60400:2017 has been prepared by subcommittee 34B: Lamp caps and holders, of IEC technical committee 34: Lighting.

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

Draft	Report on voting
34B/2110/CDV	34B/2121/RVC

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

The language used for the development of this Amendment is English.

IEC 60400:2017/AMD2:2022
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koniec náhľadu – text ďalej pokračuje v platenej verzii STN