

STN	Ovládacie zariadenia svetelných zdrojov Časť 2-7: Osobitné požiadavky na elektronické ovládacie zariadenia napájané batériovým zdrojom na núdzové osvetlenie (samostatné) Zmena A2	STN EN 61347-2-7/A2 36 0511
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Lamp controlgear.Part 2-7:Particular requirements for battery supplied electronic controlgear for emergency lighting (self-contained)

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. 08/22

STN EN 61347-2-7 z novembra 2012 sa bez tejto zmeny A2 môže používať do 24. 6. 2025.

Obsahuje: EN 61347-2-7:2012/A2:2022, IEC 61347-2-7:2011/AMD2:2021

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61347-2-7:2012/A2

June 2022

ICS 29.140.99

English Version

**Lamp controlgear - Part 2-7: Particular requirements for electric source for safety services (ESSS) supplied electronic controlgear for emergency lighting (self-contained)
(IEC 61347-2-7/AMD2:2021)**

Appareillages de lampes - Partie 2-7: Exigences particulières relatives aux appareillages électroniques alimentés par source électrique de sécurité (ESSS) pour l'éclairage de secours (autonome)
(IEC 61347-2-7/AMD2:2021)

Geräte für Lampen - Teil 2-7: Besondere Anforderungen an batterieversorgte elektronische Betriebsgeräte für die Notbeleuchtung (mit Einzelbatterie)
(IEC 61347-2-7/AMD2:2021)

This amendment A2 modifies the European Standard EN 61347-2-7:2012; it was approved by CENELEC on 2022-02-16. 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 61347-2-7:2012/A2:2022 (E)**European foreword**

The text of document 34C/1536/FDIS, future IEC 61347-2-7/AMD2, prepared by SC 34C "Auxiliaries for lamps" of IEC/TC 34 "Lighting" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61347-2-7:2012/A2:2022.

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) 2022-12-24
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2025-06-24

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

For the relationship with EU Directive(s) / Regulation(s), see informative Annex ZZ, which is an integral part of EN 61347-2-7:2012/A1:2019.

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 61347-2-7/AMD2:2021 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.cenelec.eu.

Replace Annex ZA of EN 61347-2-7:2012 by the following:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60081	-	Double-capped fluorescent lamps Performance specifications	- EN 60081	1998
			EN 60081:1998/A1	2002
			EN 60081:1998/A2	2003
			EN 60081:1998/A3	2005
			EN 60081:1998/A4	2010
			EN 60081:1998/A5	2013
			EN 60081:1998/A6	2017
	+ A11	2018		
IEC 60598-2-22	2021	Luminaires - Part 2-22: Particular requirements - Luminaires for emergency lighting	EN IEC 60598-2-22	2022
IEC 60901	-	Single-capped fluorescent lamps Performance specifications	- EN 60901	1996
			EN 60901:1996/A1	1997
			EN 60901:1996/A2	2000
			EN 60901:1996/A3	2004
			EN 60901:1996/A4	2008
			EN 60901:1996/A5	2012
			EN 60901:1996/A6	2017
IEC 60921	-	Ballasts for tubular fluorescent lamps Performance requirements	- EN 60921	2004
			EN 60921:2004/A1	2006

EN 61347-2-7:2012/A2:2022 (E)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60929	-	AC and/or DC-supplied electronic control gear for tubular fluorescent lamps - Performance requirements	EN 60929	2011
			+ AC	2011
			EN 60929:2011/A1	2016
IEC 61347-1	2015	Lamp controlgear - Part 1: General and safety requirements	EN 61347-1	2015
+ A1	2017		+ A1	2021
IEC 61347-2-3	-	Lamp control gear - Part 2-3: Particular requirements for a.c. and/or d.c. supplied electronic control gear for fluorescent lamps	EN 61347-2-3	2011
			+ AC	2011
			+ A1	2017
IEC 61558-1	2005	Safety of power transformers, power supplies, reactors and similar products -- Part 1: General requirements and tests	EN 61558-1	2005
+ A1	2009		+ A1	2009
IEC 61558-2-1	2007	Safety of power transformers, power supplies, reactors and similar products - Part 2-1: Particular requirements and tests for separating transformers and power supplies incorporating separating transformers for general applications	EN 61558-2-1	2007
IEC 61558-2-6	2009	Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V - Part 2-6: Particular requirements and tests for safety isolating transformers and power supply units incorporating safety isolating transformers	EN 61558-2-6	2009
IEC 61558-2-16	2009	Safety of transformers, reactors, power supply units and similar products for supply voltages up to 1 100 V - Part 2-16: Particular requirements and tests for switch mode power supply units and transformers for switch mode power supply units	EN 61558-2-16	2009
IEC 62034	-	Automatic test systems for battery powered emergency escape lighting	EN 62034	2012



IEC 61347-2-7

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 2
AMENDEMENT 2

**Lamp controlgear –
Part 2-7: Particular requirements for electric source for safety services (ESSS)
supplied electronic controlgear for emergency lighting (self-contained)**

**Appareillages de lampes –
Partie 2-7: Exigences particulières relatives aux appareillages électroniques
alimentés par source électrique de sécurité (ESSS) pour l'éclairage de secours
(autonome)**

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

AMENDMENT 2
AMENDEMENT 2

**Lamp controlgear –
Part 2-7: Particular requirements for electric source for safety services (ESSS)
supplied electronic controlgear for emergency lighting (self-contained)**

**Appareillages de lampes –
Partie 2-7: Exigences particulières relatives aux appareillages électroniques
alimentés par source électrique de sécurité (ESSS) pour l'éclairage de secours
(autonome)**

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LAMP CONTROLGEAR –

**Part 2-7: Particular requirements for electric source for safety services
(ESSS) supplied electronic controlgear for emergency lighting
(self-contained)****AMENDMENT 2**

FOREWORD

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Amendment 2 to IEC 61347-2-7:2011 has been prepared by subcommittee 34C: Auxiliaries for lamps, of IEC technical committee 34: Lighting.

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

Draft	Report on voting
34C/1536/FDIS	34C/1540/RVD

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 61347-2-7:2011/AMD2:2021
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This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications/.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

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

Title of Part 2-7

In the existing title, replace "battery" with "electric source for safety services (ESSS)" as follows:

Part 2-7: Particular requirements for electric source for safety services (ESSS) supplied electronic controlgear for emergency lighting (self-contained)

Introduction to Amendment 2

The following significant technical changes have been introduced in this Amendment 2:

- a) clarification of rest mode and inhibiting mode requirements;
- b) introduction of requirements for controlgear using lithium batteries;
- c) introduction of requirements for controlgear using electric double-layer capacitors (EDLCs);
- d) introduction of the term "electric source for safety services (ESSS)" to cover both batteries and EDLCs;
- e) clarification of changeover operation requirements.

1 Scope

Replace the text of the Scope, modified by Amendment 1, with the following new text:

This part of IEC 61347 specifies particular safety requirements for electric source for safety services (ESSS) supplied electronic controlgear for maintained and non-maintained emergency lighting purposes.

It includes specific requirements for electronic controlgear and control units for self-contained luminaires for emergency lighting as specified in IEC 60598-2-22.

It is intended for controlgear for fluorescent lamps and other lamp types for example incandescent lamps, high pressure discharge lamps and LEDs.

This document covers the emergency mode operation of a controlgear. For controlgear with a combination of normal and emergency lighting operation, the normal lighting operation aspects are covered by the appropriate Part 2 of the IEC 61347 series.

DC supplied electronic controlgear for emergency lighting can (or not) include the electric source for safety services (ESSS).

This document does not apply to d.c. supplied electronic controlgear for emergency lighting, which are intended for connection to a centralized emergency power supply system. A centralized emergency power system could be a central battery system.

NOTE Annex J of IEC 61347-2-3:2011/AMD1:2016 applies to a.c., a.c./d.c. or d.c. supplied electronic controlgear for connection to centralized emergency power supply systems that are also intended for emergency lighting operations from a.c./d.c. supplies.

2 Normative references

Replace the existing references to IEC 60598-2-22 and IEC 61347-1 with the following new references:

IEC 60598-2-22:2021, *Luminaires – Part 2-22: Particular requirements – Luminaires for emergency lighting*

IEC 61347-1:2015, *Lamp controlgear – Part 1: General and safety requirements*
IEC 61347-1:2015/AMD1:2017

koniec náhľadu – text ďalej pokračuje v platenej verzii STN