

SLOVENSKI STANDARD
SIST EN 62386-102:2015/A1:2019
01-januar-2019

Digitalni naslovljivi vmesnik za razsvetljavo - 102. del: Splošne zahteve - Krmilje - Dopolnilo A1 (IEC 62386-102:2014/A1:2018)

Digital addressable lighting interface - Part 102: General requirements - Control gear (IEC 62386-102:2014/A1:2018)

Digital adressierbare Schnittstelle für die Beleuchtung - Teil 102: Allgemeine Anforderungen - Betriebsgeräte (IEC 62386-102:2014/A1:2018)

Interface d'éclairage adressable numérique - Partie 102: Exigences générales - Appareillages de commande (IEC 62386-102:2014/A1:2018)

<https://standards.iteh.ai/catalog/standards/sist/a6b85555-c300-432d-ba3e-a70cd3d469bb/sist-en-62386-102-2015-a1-2019>

Ta slovenski standard je istoveten z: EN 62386-102:2014/A1:2018

ICS:

29.140.50	Instalacijski sistemi za razsvetljavo	Lighting installation systems
35.200	Vmesniška in povezovalna oprema	Interface and interconnection equipment

SIST EN 62386-102:2015/A1:2019 **en**

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EUROPEAN STANDARD

EN 62386-102:2014/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2018

ICS 29.140.50; 29.140.99

English Version

Digital addressable lighting interface - Part 102: General requirements - Control gear (IEC 62386-102:2014/A1:2018)

Interface d'éclairage adressable numérique - Partie 102:
Exigences générales - Appareillages de commande
(IEC 62386-102:2014/A1:2018)

Digital adressierbare Schnittstelle für die Beleuchtung - Teil
102: Allgemeine Anforderungen - Betriebsgeräte
(IEC 62386-102:2014/A1:2018)

This amendment A1 modifies the European Standard EN 62386-102:2014; it was approved by CENELEC on 2018-11-02. 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.

[SIST EN 62386-102:2015/A1:2019](https://standards.iteh.ai/SIST/62386-102-2015/A1-2019)

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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 62386-102:2014/A1:2018 (E)**European foreword**

The text of document 34/523/FDIS, future IEC 62386-102/A1, prepared by IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62386-102:2014/A1:2018.

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 (dop) 2019-08-02
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-11-02

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.

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The text of the International Standard IEC 62386-102:2014/A1:2018 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 61347 (series) NOTE Harmonized as EN 61347 (series)

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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62386-101	2014	Digital addressable lighting interface - Part 101: General requirements - System components	EN 62386-101	2014
+A1	2018		+A1	2018
IEC 62386-103	2014	Digital addressable lighting interface - Part 103: General requirements - Control devices	EN 62386-103	2014
+A1	2018	https://standards.iteh.ai/catalog/standards/sist/a6b85555-c300-432d-b27a-a70cd3d469bb/sist-en-62386-102-2015-a1-2019	+A1	2018

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IEC 62386-102

Edition 2.0 2018-09

INTERNATIONAL STANDARD

NORME INTERNATIONALE



AMENDMENT 1
AMENDEMENT 1

**Digital addressable lighting interface –
Part 102: General requirements – Control gear**

**Interface d'éclairage adressable numérique –
Partie 102: Exigences générales – Appareillages de commande**

INTERNATIONAL
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FOREWORD

This amendment has been prepared by IEC technical committee 34: Lamps and related equipment.

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

FDIS	Report on voting
34/523/FDIS	34/534/RVD

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

The committee has decided that the contents of this amendment and the base publication will remain unchanged until the stability date indicated on the IEC website 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.

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IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

INTRODUCTION

Replace the first sentence of the fourth paragraph with the following new text:

This second edition of IEC 62386-102 is intended to be used in conjunction with IEC 62386-101:2014 and IEC 62386-101:2014/AMD1:2018 and with the various parts that make up the IEC 62386-2xx series for control gear, together with IEC 62386-103:2014 and IEC 62386-103:2014/AMD1:2018 and the various parts that make up the IEC 62386-3xx series of particular requirements for control devices.

1 Scope

Delete the second sentence and add, at the end of the first sentence, the following new text:

which is in line with the requirements of IEC 61347 (all parts), with the addition of DC supplies.

2 Normative references

Replace the text and references with the following new text and references:

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.

IEC 62386-101:2014, *Digital addressable lighting interface – Part 101: General requirements – System components*
IEC 62386-101:2014/AMD1:2018

IEC 62386-103:2014, *Digital addressable lighting interface – Part 103: General requirements – Control devices*
IEC 62386-103:2014/AMD1:2018

3 Terms and definitions

Add, after the first sentence, the following new text:

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
- ISO Online browsing platform: available at <http://www.iso.org/obp>

3.13
NO

Replace the definition and Note 1 to entry with the following new definition and new Note 1 to entry:

answer used to deny or refuse a query

Note 1 to entry: If a query is asked where the answer is NO, there will be no response, such that the sender of the query will conclude "no backward frame" following IEC 62386-101:2014 and IEC62386-101:2014/AMD1:2018, 8.2.5.

Renumber the existing Note 1 to entry as Note 2 to entry, as follows:

Note 2 to entry: The answer NO could also be triggered by a missed query.

3.15
opcode
operation code

Replace the definition with the following new definition:

part of a forward frame that identifies the command to be executed

3.28
YES

Replace the definition with the following new definition:

answer used to accept or affirm a query

Add the following new Note 1 to entry:

<https://standards.iteh.ai/catalog/standards/sist/a6b85555-c300-432d-ba3e-335e0e202000/iec-62386-102-2014-amd1-2018>

Note 1 to entry: If a query is asked where the answer is YES, the response will be a backward frame containing the value of MASK.

4.1 General

Replace the sentence with the following new sentence:

The requirements of IEC 62386-101:2014 and IEC 62386-101:2014/AMD1:2018, Clause 4 apply, with the restrictions, changes and additions identified below.

4.2 Version number

Replace the first sentence with the following new sentence:

This subclause replaces IEC 62386-101:2014 and IEC 62386-101:2014/AMD1:2018, 4.2.

Replace the fifth paragraph with the following new paragraph:

The current version number is "*versionNumber*" as defined in Table 14.

5 Electrical specification

Replace the sentence with the following new sentence:

The requirements of IEC 62386-101:2014 and IEC 62386-101:2014/AMD1:2018, Clause 5 apply.

6 Interface power supply

Replace the sentence with the following new sentence:

If a bus power supply is integrated into a control gear, the requirements of IEC 62386-101:2014 and IEC 62386-101:2014/AMD1:2018, Clause 6 apply.

7.1 General

Replace the sentence with the following new sentence:

The requirements of IEC 62386-101:2014 and IEC 62386-101:2014/AMD1:2018, Clause 7 apply, with the following additions.

8 Timing

Replace the sentence with the following new sentence:

The requirements of IEC 62386-101:2014 and IEC 62386-101:2014/AMD1:2018, Clause 8 apply.

9.1 General

Replace the sentence with the following new sentence:

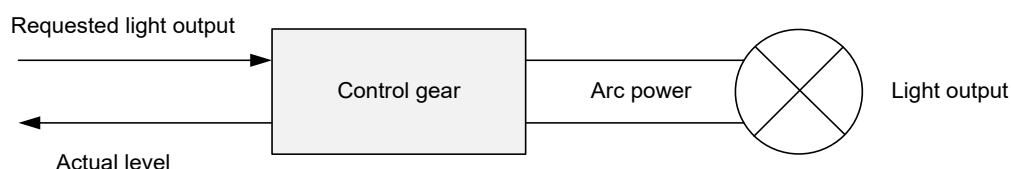
The requirements of IEC 62386-101:2014 and IEC 62386-101:2014/AMD1:2018, Clause 9 apply with the following additions.

9.2 Control gear

Replace the content of 9.2 with the following new subclauses:

9.2.1 General

Control gear may receive commands from an application controller. The application controller is specified in IEC 62386-103:2014 and IEC 62386-103:2014/AMD1:2018.



IEC

Figure 2 – Control gear directly operating a light source

Figure 2 shows how the various levels lead to light output. The maximum (light) output level of a control gear is referred to as 100 %. All levels are specified in a relative way. Physically there is a minimum that the control gear can supply whilst there is still light output. This is known as the physical minimum level (PHM).

NOTE PHM is control gear specific, and is greater than 0.