

# SLOVENSKI STANDARD

## SIST EN IEC 62836-222:2018

01-september-2018

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**Digitalni naslovljivi vmesnik za razsvetljavo - 222. del: Posebne zahteve za krmilja - Termična zaščita svetilke (naprava tipa 21) (IEC 62836-222:2018)**

Digital addressable lighting interface - Part 222: Particular requirements for control gear - Thermal lamp protection (device type 21) (IEC 62836-222:2018)

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**Ta slovenski standard je istoveten z: EN IEC 62836-222:2018**  
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**ICS:**

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

**SIST EN IEC 62836-222:2018**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN IEC 62386-222**

June 2018

ICS 29.140.50; 29.140.99

English Version

**Digital addressable lighting interface - Part 222: Particular  
requirements for control gear - Thermal lamp protection (device  
type 21)  
(IEC 62386-222:2018)**

Interface d'éclairage adressable numérique - Partie 222:  
Exigences particulières pour les appareillages de  
commande - Protection thermique de la lampe (dispositifs  
de type 21)  
(IEC 62386-222:2018)

Digital adressierbare Schnittstelle für die Beleuchtung - Teil  
222: Besondere Anforderungen für Betriebsgeräte -  
Thermischer Lampenschutz (Gerätetyp 21)  
(IEC 62386-222:2018)

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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.

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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 IEC 62386-222:2018 (E)****European foreword**

The text of document 34/484/FDIS, future edition 1 of IEC 62386-222, prepared by IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62386-222:2018.

The following dates are fixed:

- latest date by which the document has to be (dop) 2019-02-15  
implemented at national level by  
publication of an identical national  
standard or by endorsement
- latest date by which the national (dow) 2021-05-15  
standards conflicting with the  
document have to be withdrawn

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**Endorsement notice**

The text of the International Standard IEC 62386-222:2018 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).
IEC 61347-1	NOTE	Harmonized as EN 61347-1.

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## 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](http://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 <sup>1</sup>	-		+ A1 <sup>2</sup>	-
IEC 62386-102	2014	Digital addressable lighting interface - Part 102: General requirements - Control gear	EN 62386-102	2014
+ A1 <sup>3</sup>	-		+ A1 <sup>4</sup>	-

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<sup>1</sup> Under preparation. Stage at the time of publication: IEC CCDV 62386-101/AMD1:2018.

<sup>2</sup> Under preparation. Stage at the time of publication: EN 62386-101:2014/prA1:2017.

<sup>3</sup> Under preparation. Stage at the time of publication: IEC CCDV 62386-102/AMD1:2018.

<sup>4</sup> Under preparation. Stage at the time of publication: EN 62386-102:2014/prA1:2017.

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IEC 62386-222

Edition 1.0 2018-04

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE



**Digital addressable lighting interface –  
Part 222: Particular requirements for control gear – Thermal lamp protection  
(device type 21)**

**Interface d'éclairage adressable numérique –  
Partie 222: Exigences particulières pour les appareillages de commande –  
Protection thermique de la lampe (dispositifs de type 21)**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

**DIGITAL ADDRESSABLE LIGHTING INTERFACE –****Part 222: Particular requirements for control gear –  
Thermal lamp protection (device type 21)****FOREWORD**

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International Standard IEC 62386-222 has been prepared by IEC technical committee 34: Lamps and related equipment.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
34/484/FDIS	34/507/RVD

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

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

This Part 222 of IEC 62386 is intended to be used in conjunction with:

- Part 101, which contains general requirements for system components;
- Part 102, which contains general requirements for control gear.

A list of all parts in the IEC 62386 series, published under the general title: *Digital addressable lighting interface*, can be found on the IEC website.

The committee has decided that the contents of this document 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 document. At this date, the document will be

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

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## INTRODUCTION

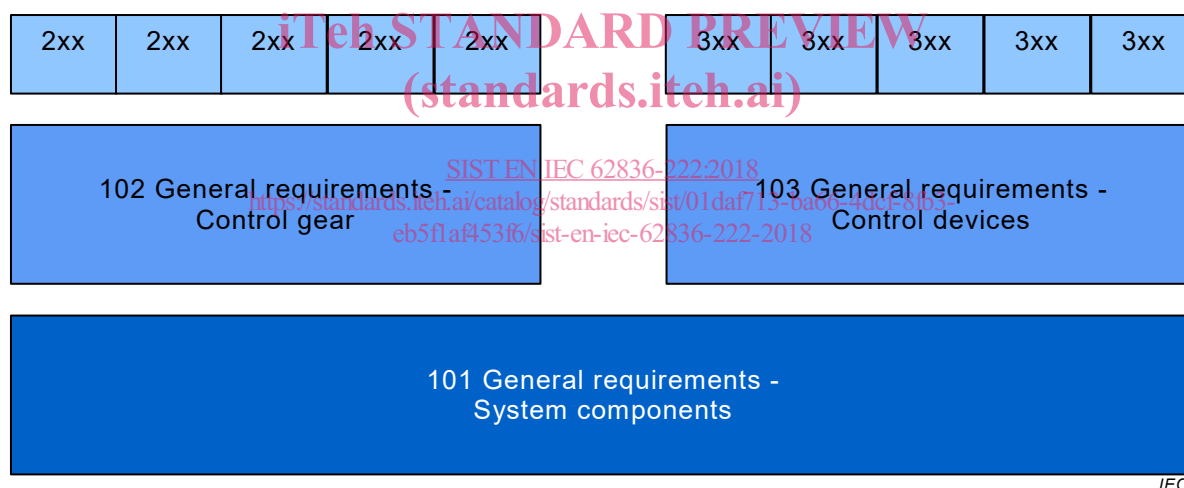
IEC 62386 contains several parts, referred to as series. The 1xx series includes the basic specifications. Part 101 contains general requirements for system components, Part 102 extends this information with general requirements for control gear and Part 103 extends it further with general requirements for control devices.

The 2xx parts extend the general requirements for control gear with lamp specific extensions (mainly for backward compatibility with Edition 1 of IEC 62386) and with control gear specific features.

The 3xx parts extend the general requirements for control devices with input device specific extensions describing the instance types as well as some common features that can be combined with multiple instance types.

This first edition of IEC 62386-222 is intended to be used in conjunction with IEC 62386-101:2014, IEC 62386-101:2014/AMD1:—, IEC 62386-102:2014 and IEC 62386-102:2014/AMD1:—. The division into separately published parts provides for ease of future amendments and revisions. Additional requirements will be added as and when a need for them is recognized.

The setup of the standards is graphically represented in Figure 1 below.



**Figure 1 – IEC 62386 graphical overview**

This document, and the other parts that make up the IEC 62386-200 series, in referring to any of the clauses of IEC 62386-1XX, specifies the extent to which such a clause is applicable; the parts also include additional requirements, as necessary.

Where the requirements of any of the clauses of IEC 62386-1XX are referred to in this document by the sentence “The requirements of IEC 62386-1XX, Clause “n” apply”, this sentence is to be interpreted as meaning that all requirements of the clause in question of Part 1XX apply, except any which are clearly inapplicable.

The standardization of the control interface for control gear is intended to achieve compatible co-existence between electronic control gear and lighting control devices, below the level of building management systems. This document describes a method of implementing control gear.