

SLOVENSKI STANDARD SIST EN IEC 62836-216:2018

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Digitalni naslovljivi vmesnik za razsvetljavo - 216. del: Posebne zahteve za krmilja - Navedba obremenitve (naprava tipa 15) (IEC 62386-216:2018)

Digital addressable lighting interface - Part 216: Particular requirements for control gear - Load referencing (device type 15) (IEC 62386-216:2018)

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ICS:

35.200

29.140.50 Instalacijski sistemi za

razsvetljavo

Vmesniška in povezovalna

oprema

Lighting installation systems

Interface and interconnection

equipment

SIST EN IEC 62836-216:2018

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM **EN IEC 62386-216**

June 2018

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English Version

Digital addressable lighting interface - Part 216: Particular requirements for control gear - Load referencing (device type 15) (IEC 62386-216:2018)

Interface d'éclairage adressable numérique - Partie 216: Exigences particulières pour les appareillages de commande - Référence de charge (dispositifs de type 15) (IEC 62386-216:2018) Digital adressierbare Schnittstelle für die Beleuchtung - Teil 216: Anforderungen für Betriebsgeräte - Last-Referenzierung (Gerätetyp 15) (IEC 62386-216:2018)

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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.

This European Standard 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 IEC 62386-216:2018 (E)

European foreword

The text of document 34/491/FDIS, future edition 1 of IEC 62386-216, prepared by IEC/TC 34 "Lamps and related equipment" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 62386-216:2018.

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) 2019-02-28
 (dop) 2019-02-28

 latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-05-28

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iTeh STANDARD PREVIEW

The text of the International Standard IEC 62386-216:2018 was approved by CENELEC as a European Standard without any modification.

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

0d62f78b62be/sist-en-iec-62836-216-2018

IEC 61347 (series) NOTE Harmonized as EN 61347 (series).

IEC 61347-1 NOTE Harmonized as EN 61347-1.

EN IEC 62386-216:2018 (E)

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 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	EN/HD	<u>Year</u>
IEC 62386-101	2014 iT	Digital addressable lighting interface 101: General requirements - Sycomponents DARD PRE		2014
+ A1 ¹	-	(standards.iteh.ai)	+ A1 ²	-
IEC 62386-102	2014	(standards.iteh.ai) Digital addressable lighting interface 102: General requirements - Control g	- Part EN 62386-102 ear	2014
+ A1 ³	https://standards.iteh.ai/catalog/standards/sist/c56c59c9-2086-45eA1762- 0d62f78b62be/sist-en-iec-62836-216-2018		-	

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

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

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

⁴ Under preparation. Stage at the time of publication: EN 62386-102:2014/FprA1:2018.

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IEC 62386-216

Edition 1.0 2018-04

INTERNATIONAL STANDARD

NORME INTERNATIONALE



Digital addressable lighting interface ARD PREVIEW
Part 216: Particular requirements for control gear. Load referencing (device type 15)

SIST EN IEC 62836-216:2018

Interface d'éclairage adressable numérique 56:59:29-2086-45:0-8762-Partie 216: Exigences particulières pour les appareillages de commande – Référence de charge (dispositifs de type 15)

INTERNATIONAL ELECTROTECHNICAL COMMISSION

COMMISSION ELECTROTECHNIQUE INTERNATIONALE

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

DIGITAL ADDRESSABLE LIGHTING INTERFACE -

Part 216: Particular requirements for control gear – Load referencing (device type 15)

FOREWORD

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International Standard IEC 62386-216 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	
34/491/FDIS	34/513/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.

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This Part 216 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 62386-216 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.