

# SLOVENSKI STANDARD

## SIST EN 62007-1:2015

01-oktober-2015

Nadomešča:  
SIST EN 62007-1:2009

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### Polprevodniške optoelektronske naprave za uporabo v sistemih z optičnimi vlakni - 1. del: Specifikacijska predloga za pomembne naznačene vrednosti in karakteristike (IEC 62007-1:2015)

Semiconductor optoelectronic devices for fibre optic system applications - Part 1:  
Specification template for essential ratings and characteristics (IEC 62007-1:2015)

### iTeh STANDARD PREVIEW

Optoelektronische Halbleiterbauelemente für Anwendungen in Lichtwellenleitersystemen  
- Teil 1: Vorlage für Leistungsspezifikationen für wesentliche Grenz- und Kennwerte (IEC  
62007-1:2015)

[SIST EN 62007-1:2015](https://standards.iteh.ai/catalog/standards/sist/1585070a-9d13-4b9c-ba8d-9a331d4bd411/sist-en-62007-1-2015)

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Dispositifs optoélectroniques à semiconducteurs pour application dans les systèmes à  
fibres optiques - Partie 1: Modèle de spécification relatif aux valeurs et caractéristiques  
essentiels (IEC 62007-1:2015)

**Ta slovenski standard je istoveten z: EN 62007-1:2015**

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#### **ICS:**

31.080.01	Polprevodniški elementi (naprave) na splošno	Semiconductor devices in general
31.260	Optoelektronika, laserska oprema	Optoelectronics. Laser equipment
33.180.01	Sistemi z optičnimi vlakni na splošno	Fibre optic systems in general

**SIST EN 62007-1:2015**

**en**

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EUROPEAN STANDARD

**EN 62007-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

June 2015

ICS 31.080.01; 31.260; 33.180.01

Supersedes EN 62007-1:2009

English Version

Semiconductor optoelectronic devices for fibre optic system  
applications - Part 1: Specification template for essential ratings  
and characteristics  
(IEC 62007-1:2015)

Dispositifs optoélectroniques à semiconducteurs pour  
application dans les systèmes à fibres optiques - Partie 1:  
Modèle de spécification relatif aux valeurs et  
caractéristiques essentielles  
(IEC 62007-1:2015)

Optoelektronische Halbleiterbauelemente für Anwendungen  
in Lichtwellenleitersystemen - Teil 1: Vorlage für  
Leistungsspezifikationen für wesentliche Grenz- und  
Kennwerte  
(IEC 62007-1:2015)

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

**CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels**

**EN 62007-1:2015****Foreword**

The text of document 86C/1256/CDV, future edition 3 of IEC 62007-1, prepared by SC 86C "Fibre optic systems and active devices" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 62007-1:2015.

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) 2016-02-04
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2018-05-04

This document supersedes EN 62007-1:2009.

EN 62007-1:2015 includes the following significant technical changes with respect to EN 62007-1:2009:

- 1) The definitions of some symbols and terms are revised in order to harmonize them with those in other SR 86C documents;
- 2) A clause on APD-TIA has been added.

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The text of the International Standard IEC 62007-1:2015 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, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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](http://www.cenelec.eu)

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60825	Series	Safety of laser products	EN 60825	Series
IEC 60747-5-1	-	Discrete semiconductor devices and integrated circuits - Part 5-1: Optoelectronic devices - General	EN 60747-5-1	-

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IEC 62007-1

Edition 3.0 2015-03

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Semiconductor optoelectronic devices for fibre optic system applications –  
Part 1: Specification template for essential ratings and characteristics**

**Dispositifs optoélectroniques à semi-conducteurs pour application dans les  
systèmes à fibres optiques –  
Partie 1: Modèle de spécification relatif aux valeurs et caractéristiques  
essentiels**

INTERNATIONAL  
ELECTROTECHNICAL  
COMMISSION

COMMISSION  
ELECTROTECHNIQUE  
INTERNATIONALE

ICS: 31.080.01; 31.260; 33.180.01

ISBN 978-2-83222-589-9

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## COMMISSION ÉLECTROTECHNIQUE INTERNATIONALE

## SEMICONDUCTOR OPTOELECTRONIC DEVICES FOR FIBRE OPTIC SYSTEM APPLICATIONS –

### Part 1: Specification template for essential ratings and characteristics

#### FOREWORD

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International Standard IEC 62007-1 has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics.

This third edition cancels and replaces the second edition published in 2008. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition.

- 1) The definitions of some symbols and terms are revised in order to harmonize them with those in other SC 86C documents.
- 2) A clause on APD-TIA has been added.

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

CDV	Report on voting
86C/1256/CDV	86C/1283/RVC

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

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

A list of all parts in the IEC 62007 series, published under the general title *Semiconductor optoelectronic devices for fibre optic system applications*, can be found on the IEC website.

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

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

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