



SLOVENSKI STANDARD

SIST EN 62149-1:2004

01-september-2004

Aktivne komponente in naprave optičnih vlaken – Izvedbeni standardi – 1. del: Splošno in smernice (IEC 62149-1:2004)*

Fibre optic active components and devices - Performance standards -- Part 1: General and guidance

Aktive Lichtwellenleiterbauelemente und -geräte - Betriebsverhalten -- Teil 1:
Allgemeines und Leitfaden

Composants et dispositifs actifs à fibres optiques - Normes de fonctionnement -- Partie
1 : Généralités et guide

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Ta slovenski standard je istoveten z: EN 62149-1:2004

ICS:

33.180.20	Povezovalne naprave za optična vlakna	Fibre optic interconnecting devices
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EUROPEAN STANDARD

EN 62149-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2004

ICS 33.180.20

English version

**Fibre optic active components and devices -
Performance standards
Part 1: General and guidance
(IEC 62149-1:2004)**

Composants et dispositifs actifs
à fibres optiques -
Normes de fonctionnement
Partie 1 : Généralités et guide
(CEI 62149-1:2004)

Aktive Lichtwellenleiterbauelemente
und -geräte -
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(IEC 62149-1:2004)

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This European Standard was approved by CENELEC on 2004-02-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, Spain, Sweden, Switzerland and United Kingdom.

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 86C/567/FDIS, future edition 1 of IEC 62149-1, 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 was approved by CENELEC as EN 62149-1 on 2004-02-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2004-11-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2007-02-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62149-1:2004 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 61300	NOTE	Harmonized in EN 61300 series (not modified).
IEC 62005	NOTE	Harmonized in EN 62005 series (not modified).

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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-2-27	- ¹⁾	Basic environmental testing procedures Part 2-27: Tests - Test Ea and guidance: Shock	EN 60068-2-27	1993 ²⁾
IEC 60068-2-32	- ¹⁾	Part 2-32: Tests - Test Ed: Free fall (Procedure 1)	EN 60068-2-32	1993 ²⁾
IEC 61300-2-1	- ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures Part 2-1: Tests - Vibration (sinusoidal)	EN 61300-2-1	2003 ²⁾
IEC 61300-2-4	- ¹⁾	Part 2-4: Tests - Fibre/cable retention	EN 61300-2-4	1997 ²⁾
IEC 61300-2-5	- ¹⁾	Part 2-5: Tests - Torsion/twist	EN 61300-2-5	2002 ²⁾
IEC 61300-2-9	- ¹⁾	Part 2-9: Tests - Shock	EN 61300-2-9	1997 ²⁾
IEC 61300-2-17	- ¹⁾	Part 2-17: Tests - Cold	EN 61300-2-17	2003 ²⁾
IEC 61300-2-18	- ¹⁾	Part 2-18: Tests - Dry heat - High temperature endurance	EN 61300-2-18	1997 ²⁾
IEC 61300-2-19	- ¹⁾	Part 2-19: Tests - Damp heat (steady state)	EN 61300-2-19	1997 ²⁾
IEC 61300-2-21	- ¹⁾	Part 2-21: Tests - Composite temperature-humidity cyclic test	EN 61300-2-21	1997 ²⁾
IEC 61300-2-22	- ¹⁾	Part 2-22: Tests - Change of temperature	EN 61300-2-22	1997 ²⁾
IEC 61300-2-26	- ¹⁾	Part 2-26: Tests - Salt mist	EN 61300-2-26	1997 ²⁾
IEC 61300-2-27	- ¹⁾	Part 2-27: Tests - Dust - Laminar flow	EN 61300-2-27	1997 ²⁾
IEC 61300-2-28	- ¹⁾	Part 2-28: Tests - Industrial atmosphere (sulphur dioxide)	EN 61300-2-28	1997 ²⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61300-2-42	- ¹⁾	Part 2-42: Tests - Static side load for connectors	EN 61300-2-42	1998 ²⁾
IEC 61300-2-45	- ¹⁾	Part 2-45: Tests - Durability test by water immersion	EN 61300-2-45	1999 ²⁾
IEC 61300-2-48	- ¹⁾	Part 2-48: Tests - Temperature-humidity cycling	EN 61300-2-48	2003 ²⁾

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**NORME
INTERNATIONALE
INTERNATIONAL
STANDARD**

**CEI
IEC**

62149-1

Première édition
First edition
2004-01

**Composants et dispositifs actifs
à fibres optiques –
Normes de fonctionnement –**

**Partie 1:
Généralités et guide**

(standards.iteh.ai)

**Fibre optic active components and devices –
Performance standards –**

**Part 1:
General and guidance**

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International Electrotechnical Commission, 3, rue de Varembe, PO Box 131, CH-1211 Geneva 20, Switzerland
Telephone: +41 22 919 02 11 Telefax: +41 22 919 03 00 E-mail: inmail@iec.ch Web: www.iec.ch



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC ACTIVE COMPONENTS AND DEVICES –
PERFORMANCE STANDARDS –**
Part 1: General and guidance

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
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International Standard IEC 62149-1 has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics.

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

FDIS	Report on voting
86C/567/FDIS	86C/580/RVD

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.