



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 62149-6:2003

ICS 33.180.20

**FIBRE OPTIC ACTIVE COMPONENTS AND
DEVICES - PERFORMANCE STANDARDS
PART 6: 650-NM 250-MBIT/S PLASTIC
OPTICAL FIBRE TRANSCEIVERS
(IEC 62149-6:2003)**

National Standards
Authority of Ireland
Dublin 9
Ireland

Tel: (01) 807 3800
Tel: (01) 807 3838

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Údarás um Chaighdeán Náisiúnta na hÉireann

EUROPEAN STANDARD

EN 62149-6

NORME EUROPÉENNE

EUROPÄISCHE NORM

November 2003

ICS 33.180.20

English version

**Fibre optic active components and devices –
Performance standards
Part 6: 650-nm 250-Mbit/s plastic optical fibre transceivers
(IEC 62149-6:2003)**

Composants et dispositifs actifs
à fibres optiques –
Normes de fonctionnement
Partie 6: Emetteurs-récepteurs de
650 nm 250 Mbit/s à fibres optiques
en plastique
(CEI 62149-6:2003)

Aktive Lichtwellenleiterbauelemente
und -geräte –
Betriebsverhaltensnorm
Teil 6: 650 nm, 250 Mbit/s Kunststoff-
lichtwellenleiter-Sende- und
Empfangsmodule
(IEC 62149-6:2003)

This European Standard was approved by CENELEC on 2003-11-01. 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Lithuania, Luxembourg, Malta, Netherlands, Norway, Portugal, Slovakia, 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/544/FDIS, future edition 1 of IEC 62149-6, 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 62149-6 on 2003-11-01.

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) 2004-08-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2006-11-01

Annexes designated "normative" are part of the body of the standard. In this standard, annexes A and ZA are normative. Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62149-6:2003 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 60191	NOTE	Harmonized in EN 60191 series (not modified).
IEC 61280	NOTE	Harmonized in EN 61280 series (not modified).
IEC 61281-1-1	NOTE	Harmonized as EN 61281-1-1:1999 (not modified).
IEC 62007-1	NOTE	Harmonized as EN 62007-1:2000 (not modified).
IEC 62007-2	NOTE	Harmonized as EN 62007-2:2000 (not modified).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 60068-2-20	- ¹⁾	Basic environmental testing procedures Part 2: Tests - Test T: Soldering	HD 323.2.20 S3	1988 ²⁾
IEC 60793-2	Series	Optical fibres Part 2: Product specifications -	EN 60793-2	Series
IEC 60950 (mod)	Series	Information technology equipment - Safety	EN 60950	Series
MIL-STD-883	- ¹⁾	Microcircuits	-	-
ANSI/UL-94	- ¹⁾	Test for Flammability of Plastic Materials for Parts in Devices and Appliances	-	-

1) Undated reference.

2) Valid edition at date of issue.

**NORME
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**CEI
IEC**

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

**Partie 6:
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