
Aktivne komponente in naprave za optična vlakna - Standardi za okrove in vmesnike - 15. del: Okrovi diskretnih laserjev s površinsko emisijo in navpičnim resonatorjem (IEC 62148-15:2009)

Fibre optic active components and devices - Package and interface standards - Part 15: Discrete vertical cavity surface emitting laser packages (IEC 62148-15:2009)

Aktive Lichtwellenleiterbauelemente und -geräte - Gehäuse- und Schnittstellennormen - Teil 15: Einzel-Gehäuse für Oberflächenemittierender Laser mit vertikalem Resonator (IEC 62148-15:2009)

Composants et dispositifs actifs à fibres optiques - Normes de boîtiers et d'interface - Partie 15 : Boîtiers discrets à laser émettant par la surface (CEI 62148-15:2009)

Ta slovenski standard je istoveten z: EN 62148-15:2010

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EUROPEAN STANDARD
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EN 62148-15

February 2010

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English version

**Fibre optic active components and devices -
Package and interface standards -
Part 15: Discrete vertical cavity surface emitting laser packages
(IEC 62148-15:2009)**

Composants et dispositifs actifs
à fibres optiques -
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Aktive Lichtwellenleiterbauelemente
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für Oberflächenemittierender Laser
mit vertikalem Resonator
(IEC 62148-15:2009)

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This European Standard was approved by CENELEC on 2010-02-01. 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.

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CENELEC

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

Central Secretariat: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 86C/928/FDIS, future edition 1 of IEC 62148-15, 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 62148-15 on 2010-02-01.

This standard is to be read in conjunction with EN 62148-1.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CEN and CENELEC shall not be held responsible for identifying any or all such patent rights.

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) 2010-11-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2013-02-01

Annex ZA has been added by CENELEC.

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Endorsement notice

The text of the International Standard IEC 62148-15:2009 was approved by CENELEC as a European Standard without any modification.

[SIST EN 62148-15:2010](#)

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

IEC 60130	NOTE	Harmonized in EN 60130 series (not modified).
IEC 60191	NOTE	Harmonized in EN 60191 series (not modified).
IEC 60603	NOTE	Harmonized in EN 60603 series (not modified).
IEC 60794	NOTE	Harmonized in EN 60794 series (partially modified).
IEC 60825	NOTE	Harmonized in EN 60825 series (partially modified).
IEC 61076	NOTE	Harmonized in EN 61076 series (not modified).
IEC 61280	NOTE	Harmonized in EN 61280 series (not modified).
IEC 61281-1	NOTE	Harmonized as EN 61281-1.
IEC 62007-1	NOTE	Harmonized as EN 62007-1.
IEC 62007-2	NOTE	Harmonized as EN 62007-2.
IEC 62149-2	NOTE	Harmonized as EN 62149-2.
ISO 1101	NOTE	Harmonized as EN ISO 1101.

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 60793-2	Series	Optical fibres - Part 2: Product specifications	EN 60793-2	Series
IEC 60874	Series	Connectors for optical fibres and cables	EN 60874	Series
IEC 61754	Series	Fibre optic connector interfaces	EN 61754	Series
IEC 61754-4-1	-	Fibre optic connector interfaces - Part 4-1: Type SC connector family - Simplified receptacle SC-PC connector interfaces	EN 61754-4-1	-
IEC 61754-20	-	Fibre optic connector interfaces - Part 20: Type LC connector family	EN 61754-20	-
IEC 62148-1	-	Fibre optic active components and devices - Package and interface standards Part 1: General and guidance	EN 62148-1	-
ITU-T Recommendation G.652	-	Characteristics of a single-mode optical fibre - cable	-	-

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**Fibre optic active components and devices – Package and interface standards –
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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**FIBRE OPTIC ACTIVE COMPONENTS AND DEVICES –
PACKAGE AND INTERFACE STANDARDS –**
Part 15: Discrete vertical cavity surface emitting laser packages

FOREWORD

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International Standard IEC 62148-15 has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics.

This standard is to be read in conjunction with IEC 62148-1.

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

FDIS	Report on voting
86C/928/FDIS	86C/934/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.

A list of all parts of the IEC 62148 series, published under the general title *Fibre optic active components and devices – Package and interface standards*, can be found on the IEC website.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result 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.

A bilingual version of this standard may be issued at a later date.

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