
Aktivne komponente in naprave z optičnimi vlakni – Standardi za okrove in vmesnike – 12. del: Laserski oddajniki s koaksialnim RF-konektorjem (IEC 62148-12:2004)

Fibre optic active components and devices - Package and interface standards - Part 12: Laser transmitters with coaxial RF connector (IEC 62148-12:2004)

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EUROPEAN STANDARD

EN 62148-12

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2004

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**Fibre optic active components and devices -
Package and interface standards
Part 12: Laser transmitters with coaxial RF connector
(IEC 62148-12:2004)**

Composants et dispositifs actifs
en fibres optiques -
Normes de boîtier et d'interface
Partie 12: Emetteur à laser
avec connecteur RF coaxial
(CEI 62148-12:2004)

Aktive Lichtwellenleiterbauelemente
und -geräte -
Gehäuse- und Schnittstellennormen
Teil 12: Lasersender
mit HF-Koaxialstecker
(IEC 62148-12:2004)

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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/581/FDIS, future edition 1 of IEC 62148-12, 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 62148-12 on 2004-04-01.

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) 2005-01-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2007-04-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 62148-12:2004 was approved by CENELEC as a European Standard without any modification.

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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 Where 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 60169-15	- ¹⁾	Radio-frequency connectors Part 15: R.F. coaxial connectors with inner diameter of outer conductor 4,13 mm (0,163 in) with screw coupling - Characteristic impedance 50 ohms (Type SMA)	-	-
IEC 60169-16	- ¹⁾	Part 16: R.F. coaxial connectors with inner diameter of outer conductor 7 mm (0,276 in) with screw coupling - Characteristic impedance 50 ohms (75 ohms) (Type N)	-	-
IEC 60191	Series	Mechanical standardization of semiconductor devices	EN 60191	Series
IEC 60793-2-50	- ¹⁾	Optical fibres Part 2-50 : Product specifications - Sectional specification for class B single- mode fibres	EN 60793-2-50	2004 ²⁾
IEC 60874	Series	Connectors for optical fibres and cables	-	-
IEC 62148-1	- ¹⁾	Fibre optic active components and devices - Package and interface standards Part 1: General and guidance	EN 62148-1	2002 ²⁾
ITU-T Recommendation G.652	- ¹⁾	Characteristics of a single-mode optical fibre cable	-	-
ITU-T Recommendation G.653	- ¹⁾	Characteristics of a dispersion-shifted single-mode optical fibre cable	-	-
ITU-T Recommendation G.654	- ¹⁾	Characteristics of cut-off shifted single- mode optical fibre and cable	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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NORME
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**Composants et dispositifs actifs
en fibres optiques –
Normes de boîtier et d'interface –**

**Partie 12:
Emetteurs à laser avec connecteur
RF coaxial**

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**Fibre optic active components and devices –
Package and interface standards –**

**Part 12:
Laser transmitters with a coaxial RF connector**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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**FIBRE OPTIC ACTIVE COMPONENTS AND DEVICES –
PACKAGE AND INTERFACE STANDARDS –**
Part 12: Laser transmitters with a coaxial RF connector

FOREWORD

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International Standard IEC 62148-12 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/581/FDIS	86C/599/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.