

<b>STN</b>	<b>Optovláknové aktívne súčiastky a prvky Normy na puzdro a rozhranie Časť 12: Laserový vysielač-prijímač s koaxiálnym konektorom VF Zmena A1</b>	<b>STN EN 62148-12/A1</b>  35 9255
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Fibre optic active components and devices - Package and interface standards Part 12: Laser transmitters with coaxial RF connector

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 12/22

STN EN 62148-12 z októbra 2004 sa bez tejto zmeny A1 môže používať do 27. 10. 2025.

Obsahuje: EN 62148-12:2004/A1:2022, IEC 62148-12:2004/AMD1:2022

**136159**

EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 62148-12:2004/A1**

October 2022

ICS 33.180.20

English Version

**Fibre optic active components and devices - Package and  
interface standards - Part 12: Laser transmitters with a coaxial  
RF connector  
(IEC 62148-12:2004/AMD1:2022)**

Composants et dispositifs actifs en fibres optiques - Normes  
de boîtier et d'interface - Partie 12: Émetteurs à laser avec  
connecteur RF coaxial  
(IEC 62148-12:2004/AMD1:2022)

Aktive Lichtwellenleiterbauelemente und -geräte - Gehäuse-  
und Schnittstellennormen - Teil 12: Lasersender mit HF-  
Koaxialstecker  
(IEC 62148-12:2004/AMD1:2022)

This amendment A1 modifies the European Standard EN 62148-12:2004; it was approved by CENELEC on 2022-10-27. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 CEN-CENELEC Management Centre or to any CENELEC member.

This amendment 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 CEN-CENELEC Management Centre has the same status as the official versions.

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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

**EN 62148-12:2004/A1:2022 (E)****European foreword**

The text of document 86C/1786/CDV, future IEC 62148-12/AMD1, 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 62148-12:2004/A1:2022.

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) 2023-07-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2025-10-27

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Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

**Endorsement notice**

The text of the International Standard IEC 62148-12:2004/AMD1:2022 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 are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where 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).

The Annex ZA of EN 62148-12:2004 applies with the following changes:

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
<i>Replace the existing reference to IEC 60169-15 and IEC 60169-16 with the following new references:</i>				
IEC 61169-15	-	Radio-frequency connectors - Part 15: Sectional specification - RF coaxial connectors with inner diameter of outer conductor 4,13 mm (0,163 in) with threaded coupling - Characteristic impedance 50 $\Omega$ (type SMA)	EN IEC 61169-15	-
IEC 61169-16	-	Radio-frequency connectors Part 16: Sectional specification - RF coaxial connectors with inner diameter of outer conductor 7 mm (0,276 in) with screw coupling - Characteristics impedance 50 $\Omega$ (75 $\Omega$ ) (type N)	EN 61169-16	-



IEC 62148-12

Edition 1.0 2022-09

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

AMENDMENT 1  
AMENDEMENT 1

**Fibre optic active components and devices – Package and interface standards –  
Part 12: Laser transmitters with a coaxial RF connector**

**Composants et dispositifs actifs en fibres optiques – Normes de boîtier et  
d'interface –  
Partie 12: Émetteurs à laser avec connecteur RF coaxial**





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IEC Secretariat  
3, rue de Varembé  
CH-1211 Geneva 20  
Switzerland

Tel.: +41 22 919 02 11  
[info@iec.ch](mailto:info@iec.ch)  
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IEC 62148-12

Edition 1.0 2022-09

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

AMENDMENT 1  
AMENDEMENT 1

**Fibre optic active components and devices – Package and interface standards –  
Part 12: Laser transmitters with a coaxial RF connector**

**Composants et dispositifs actifs en fibres optiques – Normes de boîtier et  
d'interface –  
Partie 12: Émetteurs à laser avec connecteur RF coaxial**

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PACKAGE AND INTERFACE STANDARDS –****Part 12: Laser transmitters with a coaxial RF connector****AMENDMENT 1****FOREWORD**

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Amendment 1 to IEC 62148-12:2004 has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics.

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

Draft	Report on voting
86C/1786/CDV	86C/1812/RVC

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

The language used for the development of this Amendment is English.



IEC 62148-12:2004/AMD1:2022  
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This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/standardsdev/publications/](http://www.iec.ch/standardsdev/publications/).

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

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## FOREWORD

*Delete, in the existing penultimate paragraph, the following list of documents:*

- Part 1: General and guidance
- Part 2: SFF MT-RJ 10-pin transceivers
- Part 3: SFF MT-RJ 20-pin transceivers
- Part 4: PN 1x9 plastic optical fibres transceivers
- Part 5: SC 1x9 fibre optic modules
- Part 6: ATM-PON transceivers
- Part 7: SFF LC 10-pin transceivers
- Part 8: SFF LC 20-pin transceivers
- Part 9: SFF MU duplex 10-pin transceivers
- Part 10: SFF MU duplex 20-pin transceivers
- Part 11: 14-pin modulator-integrated laser diode transmitters
- Part 12: Laser transmitters with a coaxial RF connector

## 2 Normative references

*Replace, in the list of normative references, the existing reference to IEC 60169-15 with the following new reference:*

IEC 61169-15, *Radio-frequency connectors – Part 15: Sectional specification – RF coaxial connectors with inner diameter of outer conductor 4,13 mm (0,163 in) with threaded coupling – Characteristic impedance 50  $\Omega$  (type SMA)*

*Replace, in the list of normative references, the existing reference to IEC 60169-16 with the following new reference:*

*IEC 61169-16, Radio-frequency connectors – Part 16: Sectional specification – RF coaxial connectors with inner diameter of outer conductor 7 mm (0,276 in) with screw coupling – Characteristics impedance 50  $\Omega$  (75  $\Omega$ ) (type N)*

**koniec náhľadu – text ďalej pokračuje v platenej verzii STN**