



BSI Standards Publication

Fibre optic active components and devices — Package and interface standards

Part 12: Laser transmitters with a coaxial RF connector

National foreword

This British Standard is the UK implementation of EN 62148-12:2004+A1:2022. It is identical to IEC 62148-12:2004 incorporating amendment 1:2022. It supersedes BS EN 62148-12:2004, which is withdrawn.

The start and finish of text introduced or altered by amendment is indicated in the text by tags. Tags indicating changes to IEC text carry the number of the IEC amendment. For example, text altered by IEC amendment 1 is indicated by **A1** **A1**.

The UK participation in its preparation was entrusted to Technical Committee GEL/86/3, Fibre optic systems and active devices.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Amendments/corrigenda issued since publication

Date	Text affected
30 November 2022	Implementation of IEC amendment 1:2022 with CENELEC endorsement A1:2022

**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

EN 62148-12:2004+A1:2022 (E)

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with the EN have to be withdrawn (dow) 2007-04-01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.

European foreword to amendment A1

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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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.

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 Ω (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 Ω (75 Ω) (type N)	EN 61169-16	-

