



**NSAI**  
Standards

Irish Standard  
I.S. EN IEC 62148-1:2018

# Fibre optic active components and devices - Package and interface standards - Part 1: General and guidance

## I.S. EN IEC 62148-1:2018

*Incorporating amendments/corrigenda/National Annexes issued since publication:*

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I.S. xxx: Irish Standard — national specification based on the consensus of an expert panel and subject to public consultation.

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*This document replaces/revises/consolidates the NSAI adoption of the document(s) indicated on the CEN/CENELEC cover/Foreword and the following National document(s):*

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*This document is based on:*

EN IEC 62148-1:2018

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## National Foreword

I.S. EN IEC 62148-1:2018 is the adopted Irish version of the European Document EN IEC 62148-1:2018, Fibre optic active components and devices - Package and interface standards - Part 1: General and guidance

This document does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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**Compliance with this document does not of itself confer immunity from legal obligations.**

*In line with international standards practice the decimal point is shown as a comma (,) throughout this document.*

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EUROPEAN STANDARD

**EN IEC 62148-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

February 2018

ICS 33.180.01

Supersedes EN 62148-1:2002

English Version

**Fibre optic active components and devices - Package and  
interface standards - Part 1: General and guidance  
(IEC 62148-1:2017)**

Composants et dispositifs actifs fibroniques - Normes de  
boîtier et d'interface - Partie 1: Généralités et  
recommandations  
(IEC 62148-1:2017)

Aktive Lichtwellenleiterbauelemente und -geräte - Gehäuse-  
und Schnittstellennormen - Teil 1: Allgemeines und  
Leitfaden  
(IEC 62148-1:2017)

This European Standard was approved by CENELEC on 2017-10-05. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, Former Yugoslav Republic of Macedonia, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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 IEC 62148-1:2018****European foreword**

The text of document 86C/1406A/CDV, future edition 2 of IEC 62148-1, 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 IEC 62148-1:2018.

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) 2018-08-16
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2021-02-16

This document supersedes EN 62148-1:2002.

EN IEC 62148-1:2018 includes the following significant technical changes with respect to EN 62148-1:2002:

Addition of a free space optical coupling interface in Clause 5.

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

**Endorsement notice**

The text of the International Standard IEC 62148-1:2017 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 60130 Series	NOTE	Harmonized in EN 60130 Series.
IEC 60191 Series	NOTE	Harmonized in EN 60191 Series.
IEC 60603 Series	NOTE	Harmonized in EN 60603 Series.
IEC 60603-1	NOTE	Harmonized as EN 60603-1.
IEC 60603-2	NOTE	Harmonized as EN 60603-2.
IEC 60603-3	NOTE	Harmonized as EN 60603-3.
IEC 60603-4	NOTE	Harmonized as EN 60603-4.
IEC 60603-5	NOTE	Harmonized as EN 60603-5.
IEC 60603-6	NOTE	Harmonized as EN 60603-6.
IEC 60603-7	NOTE	Harmonized as EN 60603-7.
IEC 60603-8	NOTE	Harmonized as EN 60603-8.
IEC 60603-12	NOTE	Harmonized as EN 60603-12.
IEC 60603-13	NOTE	Harmonized as EN 60603-13.
IEC 60603-14	NOTE	Harmonized as EN 60603-14.
IEC 60793 Series	NOTE	Harmonized in EN 60793 Series.
IEC 60874 Series	NOTE	Harmonized in EN 60874 Series.
IEC 61076 Series	NOTE	Harmonized in EN 61076 Series.
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