
**Optične aktivne komponente in naprave - Standardi za ohišja in vmesnike - 22. del:
Neposredno modulirana laserska ohišja 25 Gbit/s z enoto za nadzor temperature
(IEC 62148-22:2023)**

Fibre optic active components and devices - Package and interface standards - Part 22:
25 Gbit/s directly modulated laser packages with temperature control unit (IEC 62148-
22:2023)

Aktive Lichtwellenleiterbauelemente und Geräte - Gehäuse- und Schnittstellennormen -
Teil 22: Direkt modulierte 25-Gbit/s-Lasergehäuse mit Temperaturkontrolleinheit (IEC
62148-22:2023)

Composants et dispositifs actifs fibroniques - Normes de boîtier et d'interface - Partie 22:
Boîtiers pour laser à modulation 25 Gbit/s équipés d'une unité de régulation de
température (IEC 62148-22:2023)

Ta slovenski standard je istoveten z: EN IEC 62148-22:2023

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Composants et dispositifs actifs fibroniques - Normes de boîtier et d'interface - Partie 22: Boîtiers pour laser à modulation 25 Gbit/s équipés d'une unité de régulation de température
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Aktive Lichtwellenleiterbauelemente und Geräte - Gehäuse- und Schnittstellennormen - Teil 22: Direkt modulierte 25-Gbit/s-Lasergehäuse mit Temperaturkontrolleinheit
(IEC 62148-22:2023)

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EN IEC 62148-22:2023 (E)**European foreword**

The text of document 86C/1851/FDIS, future edition 1 of IEC 62148-22, 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 62148-22:2023.

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) 2023-12-22
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2026-03-22

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The text of the International Standard IEC 62148-22:2023 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 standard indicated:

<https://standards.iteh.ai/catalog/standards/sist/a8e3a687-3691-4e4c-bf2f->

IEC 60191 (series)	NOTE Approved as EN 60191 (series)
IEC 60603 (series)	NOTE Approved as EN 60603 (series)
IEC 60794 (series)	NOTE Approved as EN IEC 60794 (series)
IEC 60825 (series)	NOTE Approved as EN 60825 (series)
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IEC 61280 (series)	NOTE Approved as EN IEC 61280 (series)
IEC 61281-1	NOTE Approved as EN IEC 61281-1
IEC 61754-36 ¹	NOTE Approved as EN IEC 61754-36 ²
IEC 61754-37 ³	NOTE Approved as EN IEC 61754-37 ⁴
IEC 62007-1	NOTE Approved as EN 62007-1

¹ Under preparation. Stage at the time of publication: IEC/AFDIS 61754-36:2022.

² Under preparation. Stage at the time of publication: prEN IEC 61754-36:2022.

³ Under preparation. Stage at the time of publication: IEC/AFDIS 61754-37:2022.

⁴ Under preparation. Stage at the time of publication: prEN IEC 61754-37:2022.

IEC 62007-2	NOTE	Approved as EN 62007-2
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ISO 1101	NOTE	Approved as EN ISO 1101

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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.cencenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60793-2-50	-	Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres	EN IEC 60793-2-50	-
IEC 61753	series	Fibre optic interconnecting devices and passive components - Performance standard	EN IEC 61753	series
IEC 61754	series	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces	EN 61754	series
IEC 61755	series	Fibre optic interconnecting devices and passive components - Connector optical interfaces for single-mode fibres	EN IEC 61755	series
IEC 61754-20	-	Fibre optic interconnecting devices and passive components - 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 IEC 62148-1	-



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**Fibre optic active components and devices – Package and interface standards –
Part 22: 25 Gbit/s directly modulated laser packages with temperature control
unit**

**Composants et dispositifs actifs fibroniques – Normes de boîtier et d’interface –
Partie 22: Boîtiers pour laser à modulation directe 25 Gbit/s équipés d’une unité
de régulation de température**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC ACTIVE COMPONENTS AND DEVICES –
PACKAGE AND INTERFACE STANDARDS –****Part 22: 25 Gbit/s directly modulated laser packages
with temperature control unit**

FOREWORD

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IEC 62148-22 has been prepared by subcommittee 86C: Fibre optic systems and active devices, of IEC technical committee 86: Fibre optics. It is an International Standard.

The text of this International Standard is based on the following documents:

Draft	Report on voting
86C/1851/FDIS	86C/1859/RVD

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 International Standard is English.

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. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

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 document will remain unchanged until the stability date indicated on the IEC website under webstore.iec.ch in the data related to the specific document. At this date, the document will be

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

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