

SLOVENSKI STANDARD SIST EN IEC 61753-082-02:2024

01-julij-2024

Optični spojni elementi in pasivne komponente - Tehnični standard - 082-02. del: Naprave WWDM (širokopasovni multipleks) s priključenim enorodovnim optičnim vlaknom 1,31/1,55 µm za kategorijo C - Notranje nadzorovano okolje (IEC 61753-082-02:2024)

Fibre optic interconnecting devices and passive components - Performance standard - Part 082-02: Pigtailed single-mode fibre optic 1,31/1,55 μ m WWDM devices for category C - Indoor controlled environment (IEC 61753-082-02:2024)

Lichtwellenleiter - Verbindungselemente und passive Bauelemente - Betriebsverhalten - Teil 082-02: Pigtailed-Einmoden-Lichtwellenleiter 1,31/1,55 µm WWDM-Geräte für die Kategorie C - Kontrollierte Innenraumumgebung (IEC 61753-082-02:2024)

Dispositifs d'interconnexion et composants passifs fibroniques - Norme de performance - Partie 082-02: Dispositifs WWDM 1,31 µm/1,55 µm fibroniques équipées d'une fibre amorce pour la catégorie C - Environnement intérieur contrôlé (IEC 61753-082-02:2024)

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ICS:

33.180.20 Povezovalne naprave za

optična vlakna

Fibre optic interconnecting

devices

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EUROPEAN STANDARD NORME EUROPÉENNE EUROPÄISCHE NORM

EN IEC 61753-082-02

May 2024

ICS 33.180.10

English Version

Fibre optic interconnecting devices and passive components Performance standard - Part 082-02: Pigtailed single-mode fibre
optic 1,31/1,55 µm WWDM devices for category C - Indoor
controlled environment
(IEC 61753-082-02:2024)

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EN IEC 61753-082-02:2024 (E)

European foreword

The text of document 86B/4867/FDIS, future edition 1 of IEC 61753-082-02, prepared by SC 86B "Fibre optic interconnecting devices and passive components" of IEC/TC 86 "Fibre optics" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61753-082-02:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2025-02-22 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2027-05-22 document have to be withdrawn

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In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 61300 series NOTE description Approved as EN 61300 series de 56bc 5a8a 36/s ist-en-iec-61753-082-02-2024

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>	EN/HD	<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 60794-2-50	-	Optical fibre cables - Part 2-50: Indoor cables - Family specification for simplex and duplex cables for use in terminated	EN IEC 60794-2-50	-
IEC 61300-1	2022	cable assemblies Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance	EN IEC 61300-1	2022
+ AMD1	2024		+ A1	2024
IEC 61300-2-1 talog/s	standar	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-1: Tests - Vibration (sinusoidal)	EN IEC 61300-2-1	61753-(
IEC 61300-2-4	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-4: Tests - Fibre or cable retention	EN IEC 61300-2-4	-
IEC 61300-2-5	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-5: Tests - Torsion	EN IEC 61300-2-5	-
IEC 61300-2-9	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-9: Tests - Shock	EN 61300-2-9	-
IEC 61300-2-14	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-14: Tests - High optical power	EN IEC 61300-2-14	-
IEC 61300-2-17	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-17: Tests - Cold	EN 61300-2-17	-

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IEC 61300-2-18	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-18: Tests - Dry heat	EN IEC 61300-2-18	-
IEC 61300-2-19	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-19: Tests - Damp heat (steady state)	EN 61300-2-19	-
IEC 61300-2-22	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-22: Tests - Change of temperature	EN 61300-2-22	-
IEC 61300-2-42		Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-42: Tests - Static side load for strain relief	EN 61300-2-42	-
IEC 61300-2-44		Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-44: Tests - Flexing of the strain relief of fibre optic devices and components	EN IEC 61300-2-44	-
IEC 61300-3-2	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-2: Examination and measurements - Polarization dependent loss in a single-mode fibre optic device	EN 61300-3-2	-
IEC 61300-3-6	(htt	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-6: Examinations and measurements - Return loss	EN 61300-3-6	-
IEC 61300-3-7		Fibre optic interconnecting devices and	EN IEC 61300-3-7	-
		passive components - Basic test and measurement procedures - Part 3-7: Examinations and measurements - Wavelength dependence of attenuation and return loss of single mode components		
IEC 61300-3-29		Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-29: Examinations and measurements - Spectral transfer characteristics of DWDM devices	EN 61300-3-29	-
IEC 61753-1		Fibre optic interconnecting devices and passive components - Performance standard - Part 1: General and guidance	EN IEC 61753-1	2018
-	-			2019-06
+ AMD1	2020		+ A1	2020
IEC 62074-1		Fibre optic interconnecting devices and passive components - Fibre optic WDM devices - Part 1: Generic specification	EN 62074-1	-
IEC/TS 62627-09	-	Fibre optic interconnecting devices and passive components - Vocabulary for passive optical devices	-	-



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NORME INTERNATIONALE

Fibre optic interconnecting devices and passive components – Performance standard –

Part 082-02: Pigtailed single-mode fibre optic 1,31/1,55 µm WWDM devices for category C – Indoor controlled environment

Dispositifs d'interconnexion et composants passifs fibroniques – Norme de performance – SISTENIEC 61753-082-02:2024

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – PERFORMANCE STANDARD –

Part 082-02: Pigtailed single-mode fibre optic 1,31/1,55 µm WWDM devices for category C – Indoor controlled environment

FOREWORD

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IEC 61753-082-02 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics. It is an International Standard.

This first edition cancels and replaces the first edition of IEC 61753-082-2 published in 2008. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to the previous edition:

a) change of test conditions harmonizing with IEC 61753-1.

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

Draft	Report on voting	
86B/4867/FDIS	86B/4902/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 in the IEC 61753 series, published under the general title *Fibre optic interconnecting devices and passive components performance standard*, 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, or
- revised.

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