

SLOVENSKI STANDARD

SIST EN 61753-052-3:2017

01-februar-2017

Nadomešča:

SIST EN 61753-052-3:2004

**Optični spojni elementi in pasivne komponente - Tehnični standard - 052-3. del:
Fiksni atenuatorji z enorodnimi vlakni brez konektorjav za kategorijo U -
Nekontrolirano okolje (IEC 61753-052-3:2016)**

Fibre optic interconnecting devices and passive components - Performance standard -
Part 052-3: Single mode fibre non connectorized fixed attenuator for category U -
Uncontrolled environment (IEC 61753-052-3:2016)

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Ta slovenski standard je istoveten z: EN 61753-052-3:2016

ICS:

33.180.20

Povezovalne naprave za
optična vlakna

Fibre optic interconnecting
devices

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61753-052-3

December 2016

ICS 33.180.20

Supersedes EN 61753-052-3:2002

English Version

**Fibre optic interconnecting devices and passive components -
Performance standard - Part 052-3: Single-mode fibre non-
connectorized fixed attenuator - Category U in uncontrolled
environment
(IEC 61753-052-3:2016)**

Dispositifs d'interconnexion et composants passifs
fibroniques - Norme de performance - Partie 052-3:
Affaiblisseur optique fixe non connectorisé pour fibres
unimodales - Catégorie U pour un environnement non
contrôlé
(IEC 61753-052-3:2016)

Lichtwellenleiter - Verbindungselemente und passive
Bauteile - Betriebsverhalten - Teil 052-3: Nicht mit
Steckverbindern versehene feste Einmoden-
Lichtwellenleiter-Dämpfungsglieder - Kategorie U in
unkontrollierter Umgebung
(IEC 61753-052-3:2016)

This European Standard was approved by CENELEC on 2016-09-01. 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.

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

European foreword

The text of document 86B/3994/FDIS, future edition 2 of IEC 61753-052-3, 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 61753-052-3:2016.

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) 2017-06-23
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2017-12-23

This document supersedes EN 61753-052-3:2002.

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Endorsement notice

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The text of the International Standard IEC 61753-052-3:2016 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 60869-1	NOTE	Harmonized as EN 60869-1.
IEC 61300	NOTE	Harmonized in EN 61300 series.

Annex ZA

(normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When 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.

<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 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 cable assemblies	EN 60794-2-50	-
IEC 61300-2-1	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-1: Tests - Vibration (sinusoidal)	EN 61300-2-1	-
IEC 61300-2-4	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-4: Tests - Fibre/cable retention	EN 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 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 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	-

EN 61753-052-3:2016

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61300-2-18	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-18: Tests - Dry heat - High temperature endurance	EN 61300-2-18	-
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 61300-2-26	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-26: Tests - Salt mist	EN 61300-2-26	-
IEC 61300-2-27	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-27: Tests - Dust - Laminar flow	EN 61300-2-27	-
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	EN 61300-2-44	-
IEC 61300-2-46	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-46: Tests - Damp heat cyclic	EN 61300-2-46	-
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 61300-3-3	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-3: Examinations and measurements - Active monitoring of changes in attenuation and return loss	EN 61300-3-3	-
IEC 61300-3-7	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-7: Examinations and measurements - Wavelength dependence of attenuation and return loss of single mode components	EN 61300-3-7	-
IEC 61300-3-28	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-28: Examinations and measurements - Transient loss	EN 61300-3-28	-



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Edition 2.0 2016-07

INTERNATIONAL STANDARD

**Fibre optic interconnecting devices and passive components – Performance standard –
Part 052-3: Single-mode fibre non-connectorized fixed attenuator – Category U in uncontrolled environment**

SIST EN 61753-052-3:2017

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CONTENTS

FOREWORD	3
1 Scope	5
2 Normative references	5
3 Test	6
4 Test report	6
5 Performance requirements.....	6
5.1 Sample size, sequencing and grouping.....	6
5.2 Dimensions	6
5.3 Test details and requirements	7
Annexe A (normative) Test sequencing for single-mode non-connectorized fixed attenuators, category U	12
Bibliography	13
Table 1 – Test details and requirements.....	7
Table A.1 – Test sequence for single-mode non-connectorized fixed attenuators, category U.....	12

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC INTERCONNECTING DEVICES
AND PASSIVE COMPONENTS –
PERFORMANCE STANDARD –**

**Part 052-3: Single-mode fibre non-connectorized fixed
attenuator – Category U in uncontrolled environment**

FOREWORD

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International Standard IEC 61753-052-3 has been prepared by subcommittee SC86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

This second edition cancels and replaces the first edition published in 2001. This edition constitutes a technical revision.

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

- reconsideration of performance requirements.