
**Optični spojni elementi in pasivne komponente - Tehnični standard - 143-2. del:
Optični pasivni kompenzator disperzije na podlagi VIPA pri prenosu po
enorodnem optičnem vlaknu za kategorijo C - Nadzorovana okolja (IEC 61753-143-
2:2012)**

Fibre optic interconnecting devices and passive components - Performance standard -
Part 143-2: Optical passive VIPA-based dispersion compensator of single-mode fibre
transmission for category C - Controlled environments (IEC 61753-143-2:2012)

Lichtwellenleiter - Verbindungselemente und passive Bauteile - Betriebsverhalten - Teil
143-2 VIPA-basierender passiver optischer Dispersionskompensator für
Einmodenfaserübertragung für die Kategorie C - Kontrollierte Umgebung (IEC 61753-
143-2:2012)

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Dispositifs d'interconnexion et composants passifs à fibres optiques - Norme de
performance - Partie 143-2: Compensateur de dispersion reposant sur le VIPA passif
optique de transmission par fibre unimodale pour la catégorie C - Environnement
contrôlé (CEI 61753-143-2:2012)

Ta slovenski standard je istoveten z: EN 61753-143-2:2013

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EUROPEAN STANDARD
NORME EUROPÉENNE
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EN 61753-143-2

February 2013

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English version

**Fibre optic interconnecting devices and passive components -
Performance standard -
Part 143-2: Optical passive VIPA-based dispersion compensator of single-
mode fibre transmission for category C -
Controlled environment
(IEC 61753-143-2:2012)**

Dispositifs d'interconnexion et composants
passifs à fibres optiques -
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transmission par fibre unimodale pour la
catégorie C -
Environnement contrôlé
(CEI 61753-143-2:2012)

Lichtwellenleiter -
Verbindungselemente und passive
Bauteile - Betriebsverhalten -
Teil 143-2: VIPA-basierender passiver
optischer Dispersionskompensator für
Einmodenfaserübertragung für die
Kategorie C -
Kontrollierte Umgebung
(IEC 61753-143-2:2012)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Management Centre: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 86B/3491/FDIS, future edition 1 of IEC 61753-143-2, 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 61753-143-2:2013.

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) 2013-09-20
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2015-12-20

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Endorsement notice

The text of the International Standard IEC 61753-143-2:2012 was approved by CENELEC as a European Standard without any modification.

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

IEC 61978-1 NOTE Harmonized as EN 61978-1,
SIST EN 61753-143-2:2013

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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 When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60793-1	Series	Optical fibres - Part 1: Measurement methods and test procedures	EN 60793-1	Series
IEC 60793-2-50	-	Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres	EN 60793-2-50	-
IEC 61300	Series	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures	EN 61300	Series
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 61300-2-9	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-9: Tests - Shock	EN 61300-2-9	-
IEC 61300-2-17	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-17: Tests - Cold	EN 61300-2-17	-
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 61300-2-19	-	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 connectors	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 61300-3-2	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-2: Examinations and measurements - Polarization dependent loss in a single-mode fibre optic device	EN 61300-3-2	-
IEC 61300-3-4	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-4: Examinations and measurements - Attenuation	EN 61300-3-4	-
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 61300-3-32	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-32: Examinations and measurements - Polarisation mode dispersion measurement for passive optical components	EN 61300-3-32	-
IEC 61300-3-38	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-38: Examinations and measurements - Group delay, chromatic dispersion and phase ripple	EN 61300-3-38	-
IEC 61753-1	-	Fibre optic interconnecting devices and passive components performance standard - Part 1: General and guidance for performance standards	EN 61753-1	-
IEC 62074-1	-	Fibre optic interconnecting devices and passive components - Fibre optic WDM devices - Part 1: Generic specification	EN 62074-1	-



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Part 143-2: Optical passive VIPA-based dispersion compensator of single-mode fibre transmission for category C – Controlled environment**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

**Part 143-2: Optical passive VIPA-based dispersion
compensator of single-mode fibre transmission for category C –
Controlled environment**

FOREWORD

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International Standard IEC 61753-143-2 has been prepared by subcommittee 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

The text of this standard is based on the following documents:

FDIS	Report on voting
86B/3491/FDIS	86B/3535/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication has been drafted in accordance with the ISO/IEC Directives, Part 2.

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 publication will remain unchanged until the stability date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
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INTRODUCTION

The International Electrotechnical Commission (IEC) draws attention to the fact that it is claimed that compliance with this document may involve the use of a patent concerning the optical dispersion compensator given in Clauses 1 to 6. IEC takes no position concerning the evidence, validity and scope of this patent right.

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