



National Standards Authority of Ireland

STANDARD

I.S. EN 61753-091-3:2004

ICS 33.180.20

**FIBRE OPTIC INTERCONNECTING DEVICES
AND PASSIVE COMPONENTS
PERFORMANCE STANDARD PART 091-3:
SINGLE MODE FIBRE OPTIC PIGTAILED
STYLE CIRCULATORS FOR CATEGORY U -
UNCONTROLLED ENVIRONMENT (IEC
61753-091-3:2004)**

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EUROPEAN STANDARD

EN 61753-091-3

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2004

ICS 33.180.20

English version

**Fibre optic interconnecting devices
and passive components performance standard
Part 091-3: Single mode fibre optic pigtailed style circulators
for category U –
Uncontrolled environment
(IEC 61753-091-3:2004)**

Norme de qualité de fonctionnement
des dispositifs d'interconnexion et
composants passifs à fibres optiques
Partie 091-3: Circulateurs à fibres
optiques monomodes raccordés
à une fibre amorce pour catégorie U –
Environnement non contrôlé
(CEI 61753-091-3:2004)

Lichtwellenleiter – Verbindungselemente
und passive Bauteile – Betriebsverhalten
Teil 091-3: Einmoden-Lichtwellenleiter-
Zirkulatoren mit Anschlussfasern
für die Kategorie U –
Unkontrollierte Umgebung
(IEC 61753-091-3:2004)

This European Standard was approved by CENELEC on 2004-09-01. 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 Central Secretariat 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 Central Secretariat has the same status as the official versions.

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

CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 86B/1937/FDIS, future edition 1 of IEC 61753-091-3, 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 was approved by CENELEC as EN 61753-091-3 on 2004-09-01.

The following dates were fixed:

- | | | |
|--|-------|------------|
| – latest date by which the EN has to be implemented
at national level by publication of an identical
national standard or by endorsement | (dop) | 2005-06-01 |
| – latest date by which the national standards conflicting
with the EN have to be withdrawn | (dow) | 2007-09-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61753-091-3:2004 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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 Where 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 60793-1-1	- ¹⁾	Optical fibres Part 1-1: Measurement methods and test procedures - General and guidance	EN 60793-1-1	2003 ²⁾
IEC 61300-2-1	- ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures Part 2-1: Tests - Vibration (sinusoidal)	EN 61300-2-1	2003 ²⁾
IEC 61300-2-4	- ¹⁾	Part 2-4: Tests - Fibre/cable retention	EN 61300-2-4	1997 ²⁾
IEC 61300-2-5	- ¹⁾	Part 2-5: Tests - Torsion/twist	EN 61300-2-5	2002 ²⁾
IEC 61300-2-9	- ¹⁾	Part 2-9: Tests - Shock	EN 61300-2-9	1997 ²⁾
IEC 61300-2-14	- ¹⁾	Part 2-14: Tests - Maximum input power	EN 61300-2-14	1997 ²⁾
IEC 61300-2-17	- ¹⁾	Part 2-17: Tests - Cold	EN 61300-2-17	2003 ²⁾
IEC 61300-2-18	- ¹⁾	Part 2-18: Tests - Dry heat - High temperature endurance	EN 61300-2-18	1997 ²⁾
IEC 61300-2-22	- ¹⁾	Part 2-22: Tests - Change of temperature	EN 61300-2-22	1997 ²⁾
IEC 61300-3-2	- ¹⁾	Part 3-2: Examinations and measurements - Polarization dependence of attenuation in a single-mode fibre optic device	EN 61300-3-2	1999 ²⁾
IEC 61300-3-4	- ¹⁾	Part 3-4: Examinations and measurements - Attenuation	EN 61300-3-4	2001 ²⁾
IEC 61300-3-5	- ¹⁾	Part 3-5: Examinations and measurements - Wavelength dependence of attenuation	EN 61300-3-5	2001 ²⁾
IEC 61300-3-6	- ¹⁾	Part 3-6: Examinations and measurements - Return loss	EN 61300-3-6	2003 ²⁾

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

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<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61300-3-32	- ¹⁾	Part 3-32: Examinations and measurements - Polarisation mode dispersion for passive optical components	-	-
IEC 61753-2-1	- ¹⁾	Fibre optic interconnecting devices and passive components performance standard Part 2-1: Fibre optic connectors terminated on single-mode fibre for category U - Uncontrolled environment	EN 61753-2-1	2000 ²⁾

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