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**Fiberoptik –  
Anslutningsdon och passiva komponenter –  
Provning och mätning –  
Del 3-34: Undersökning och mätning –  
Dämpning för slumpvis sammankopplade don**

*Fibre optic interconnecting devices and passive components –  
Basic test and measurement procedures –  
Part 3-34: Examinations and measurements –  
Attenuation of random mated connectors*

Som svensk standard gäller europastandarden EN 61300-3-34:2009. Den svenska standarden innehåller den officiella engelska språkversionen av EN 61300-3-34:2009.

**Nationellt förord**

Europastandarden EN 61300-3-34:2009

består av:

- **europastandardens ikraftsättningsdokument**, utarbetat inom CENELEC
- **IEC 61300-3-34, Third edition, 2009 - Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-34: Examinations and measurements - Attenuation of random mated connectors**

utarbetad inom International Electrotechnical Commission, IEC.

Tidigare fastställd svensk standard SS-EN 61300-3-34, utgåva 2, 2002, gäller ej fr o m 2010-02-01.

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ICS 33.180.20

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Denna standard är fastställd av SEK Svensk Elstandard, som också kan lämna upplysningar om **sakinnehållet** i standarden.  
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English version

**Fibre optic interconnecting devices and passive components -  
Basic test and measurement procedures -  
Part 3-34: Examinations and measurements -  
Attenuation of random mated connectors  
(IEC 61300-3-34:2009)**

Dispositifs d'interconnexion  
et composants passifs à fibres optiques -  
Méthodes fondamentales d'essais  
et de mesures -  
Partie 3-34: Examens et mesures -  
Affaiblissement dû à l'accouplement  
de connecteurs quelconques  
(CEI 61300-3-34:2009)

Lichtwellenleiter -  
Verbindungselemente  
und passive Bauteile -  
Grundlegende Prüf- und Messverfahren -  
Teil 3-34: Untersuchungen  
und Messungen -  
Dämpfung von wahlfrei  
zusammengefügteten Steckverbindern  
(IEC 61300-3-34:2009)

This European Standard was approved by CENELEC on 2009-02-01. 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, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

**CENELEC**

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

**Central Secretariat: avenue Marnix 17, B - 1000 Brussels**

## Foreword

The text of document 86B/2767/FDIS, future edition 3 of IEC 61300-3-34, 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 61300-2-34 on 2009-02-01.

This European Standard supersedes EN 61300-3-34:2002.

Changes from EN 61300-3-34:2002 are to reconsider launch conditions for multimode fibres.

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) 2009-11-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2010-02-01

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 61300-3-34:2009 was approved by CENELEC as a European Standard without any modification.

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**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 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 61300-1	- <sup>1)</sup>	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance	EN 61300-1	2003 <sup>2)</sup>
IEC 61300-3-1	- <sup>1)</sup>	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-1: Examinations and measurements - Visual examination	EN 61300-3-1	2005 <sup>2)</sup>

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.



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# FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – BASIC TEST AND MEASUREMENT PROCEDURES –

## Part 3-34: Examinations and measurements – Attenuation of random mated connectors

### 1 Scope

This part of IEC 61300 describes the procedure required to measure the statistical distribution and mean attenuation for random mated optical connectors.

### 2 Normative references

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.

IEC 61300-1, *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 1: General and guidance*

IEC 61300-3-1, *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures – Part 3-1: Examinations and measurements – Visual examination*

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