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This standard includes the English version of the European Standard.

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Obsahuje: EN 61300-3-50:2013, IEC 61300-3-50:2013

**Fibre optic interconnecting devices and passive components -
 Basic test and measurement procedures -
 Part 3-50: Examinations and measurements -
 Crosstalk for optical spatial switches
 (IEC 61300-3-50:2013)**

Dispositifs d'interconnexion et
 composants passifs à fibres optiques -
 Procédures fondamentales d'essais
 et de mesures -
 Partie 3-50: Examens et mesures -
 Diaphonie relative aux commutateurs
 spatiaux optiques
 (CEI 61300-3-50:2013)

Lichtwellenleiter -
 Verbindungselemente und passive
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European Committee for Electrotechnical Standardization
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Foreword

The text of document 86B/3593/FDIS, future edition 1 of IEC 61300-3-50, prepared by IEC/TC 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 61300-3-50:2013.

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) 2014-03-21
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IEC 62074-1	NOTE	Harmonised as EN 62074-1.
IEC 61300-3-29	NOTE	Harmonised as EN 61300-3-29.
IEC 60876-1	NOTE	Harmonised as EN 60876-1.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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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	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance	EN 61300-1	-
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	-



INTERNATIONAL STANDARD

NORME INTERNATIONALE

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Part 3-50: Examinations and measurements – Crosstalk for optical spatial switches**

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC INTERCONNECTING
DEVICES AND PASSIVE COMPONENTS –
BASIC TEST AND MEASUREMENT PROCEDURES –**
**Part 3-50: Examinations and measurements –
Crosstalk for optical spatial switches**

FOREWORD

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International Standard IEC 61300-3-50 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/3593/FDIS	86B/3622/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 61300 series, published under the general title, *Fibre optic interconnecting devices and passive components – Basic test and measurement procedures* can be found on the IEC website.

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

**Part 3-50: Examinations and measurements –
Crosstalk for optical spatial switches**

1 Scope

This part of IEC 61300 describes the procedure to measure the crosstalk of optical signals between the ports of a multiport $M \times N$ (M input ports and N output ports) fibre optic spatial switch. The crosstalk is defined as the ratio of the optical power at an output port which comes from the unconnected input port, to the optical power at the output port which comes from the connected input port.

2 Normative references

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.

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