

# INTERNATIONAL STANDARD

# IEC 61300-3-20

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2001-04

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## **Fibre optic interconnecting devices and passive components – Basic test and measurement procedures –**

### **Part 3-20: Examinations and measurements – Directivity of fibre optic branching devices**

*Dispositifs d'interconnexion et composants passifs  
à fibres optiques –  
Méthodes fondamentales d'essais et de mesures –*

*Partie 3-20:  
Examens et mesures –  
Directivité des dispositifs de couplage  
de fibres optiques*

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

**Part 3-20: Examinations and measurements –  
Directivity of fibre optic branching devices**

FOREWORD

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International Standard IEC 61300-3-20 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/1467/FDIS	86B/1535/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 3.

The committee has decided that the contents of this publication will remain unchanged until 2008. At this date, the publication will be

- reconfirmed;
- withdrawn;
- replaced by a revised edition, or
- amended.

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BASIC TEST AND MEASUREMENT PROCEDURES –**

**Part 3-20: Examinations and measurements –  
Directivity of fibre optic branching devices**

**1 Scope**

The purpose of this part of IEC 61300 is to measure the directivity of light between channels of a multiport non-wavelength-selective MxN fibre optic branching device. The directivity is defined as the fraction of the light that goes from an input path to another input optical path, normally isolated from the previous one.