

INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

Part 3-54: Examinations and measurements – Angular misalignment between ferrule bore axis and ferrule axis for cylindrical ferrules

Dispositifs d'interconnexion et composants passifs fibroniques – Procédures fondamentales d'essais et de mesures –

Partie 3-54: Examens et mesures – Erreur d'alignement angulaire entre l'axe de l'alésage de férule et l'axe de férule pour les férules cylindriques



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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

**Part 3-54: Examinations and measurements –
Angular misalignment between ferrule bore axis
and ferrule axis for cylindrical ferrules**

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International Standard IEC 61300-3-54 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/4203/FDIS	86B/4215/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.

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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- replaced by a revised edition, or
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FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS – BASIC TEST AND MEASUREMENT PROCEDURES –

Part 3-54: Examinations and measurements – Angular misalignment between ferrule bore axis and ferrule axis for cylindrical ferrules

1 Scope

This part of IEC 61300 describes the procedure to measure the angular misalignment between the ferrule bore axis and the outside diameter datum axis of a cylindrical ferrule.

2 Normative references

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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.

ISO 1938-1, *Geometrical product specifications (GPS) – Dimensional measuring equipment – Part 1: Plain limit gauges of linear size*

3 Terms and definitions

For the purposes of this document, the following terms and definitions apply.

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- IEC Electropedia: available at <http://www.electropedia.org/>
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3.1

angular misalignment

angle θ between the ferrule outside diameter datum and the ferrule bore axis

Note 1 to entry: The angular misalignment is measured in degrees.

Note 2 to entry: See Figure 1.