

**Harmonized system of quality
assessment for electronic components**

**Blank detail
specification:
Fibre optic branching
devices —
Type: Wavelength
selective transmissive
star for
telecommunication
application**

The European Standard EN 181104:1997 has the status of a
British Standard

ICS 33.180.20

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National foreword

This British Standard is the English language version of EN 181104:1997 published by the European Electronic Components Committee (CECC) of the European Committee for Electrotechnical Standardization (CENELEC).

The UK participation in its preparation was entrusted by Technical Committee EPL/86, Fibre optics, to Subcommittee EPL/86/2, Interconnecting devices and passive components, which has the responsibility to:

- aid enquirers to understand the text;
- present to the responsible international/European committee any enquiries on the interpretation, or proposals for change, and keep the UK interests informed;
- monitor related international and European developments and promulgate them in the UK.

A list of organizations represented on this subcommittee can be obtained on request to its secretary.

Cross-references

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Summary of pages

This document comprises a front cover, an inside front cover, pages i and ii, the EN title page, pages 2 to 17 and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

Amendments issued since publication

Amd. No.	Date	Comments

This British Standard, having been prepared under the direction of the Electrotechnical Sector Board, was published under the authority of the Standards Board and comes into effect on 15 April 1998

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English version

**Blank Detail Specification: Fibre optic branching devices
Type: Wavelength selective transmissive star for
telecommunication application**

Spécification particulière cadre:
Dispositifs de couplage à fibres optiques
Type: Sélectif en longueur d'onde,
transmission en étoile

Vordruck für Bauartspezifikation:
Lichtwellenleiter-Verzweiger
Bauart: Wellenlängenselektiver
Sternübertrager für Anwendungen
bei Nachrichtenübertragung

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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

This European Standard was prepared by the Technical Committee CENELEC/TC CECC/SC 86BXB, Fibre optic passive components. The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 181104 on 1997-10-01.

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) 1998-09-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 1998-09-01

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1 Introduction

This specification is a BDS for Fibre Optic Branching Devices of the “Wavelength selective transmissive star” type.

This includes instructions for preparing a DS.

2 Qualification approval

2.1 Procedure

The DS shall state the qualification approval procedure to be used in accordance with clause 3.3 of EN 181000.

2.2 Test schedule and performance requirements

The test schedule for qualification by the fixed sample procedure shall be given in Table 1 of the DS (see clauses 2.2, 4.5 and 4.6 of EN 181000).

3 Quality conformance inspection

3.1 Lot-by-lot inspection

The test schedule for lot-by-lot inspection (groups A and B) shall be given in Table 2 of the DS (see clauses 2.2, 4.5 and 4.6 of EN 181000).

3.2 Periodic inspection

The test schedule for periodic inspection (groups C and D) shall be given in Table 3 of the DS (see clauses 2.2, 4.5 and 4.6 of EN 181000).

4 Preparation of detail specifications (DS)

Each BDS is published separately as a pro format document, with numbered spaces provided for entering the information necessary to create a DS. If the spaces provided are too small, then the information shall be provided on additional sheets forming part of the completed DS

Instructions for filling in the numbered spaces in a BDS are given below:

- 1) The name of the ONH under whose authority the DS is published and, if applicable, the organization from whom the DS is available.
- 2) The CECC symbol and the number allotted to the DS by the CECC General Secretariat.
- 3) The number and issue number of the CEGC GS; also the national reference(s), if different.
- 4) If different from the CECC number, the national number of the DS, date of issue and any further information required by the national system, together with any amendment numbers.
- 5) A brief description of the component or range of components.
- 6) The level of quality assessment (A, B, C or X), sampling procedure (fixed quantity or lot-by-lot) and the climatic category.

For 5) and 6) the text to be given in the DS shall be suitable for an entry in CECC 00 200 (Register of Approvals) and CECC 00 300 (Register of National Documents).

- 7) An outline drawing with main dimensions which are of importance for interchangeability, and/or reference to the appropriate national or international documents for outlines. Alternatively, this drawing may be given in an annex to the DS, but 7) shall always contain an illustration of the general outer appearance of the component.

If an existing drawing from an IEC publication, or similar source, is used in a CECC specification, then it can be either first or third angle projection, but the appropriate symbol shall be shown on the drawing:

1st angle projection



3rd angle projection

