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Fibre optic interconnecting devices and passive components – Vocabulary for passive optical devices

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National foreword

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS –

Vocabulary for passive optical devices

FOREWORD

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Technical specifications are subject to review within three years of publication to decide whether they can be transformed into International Standards.

IEC TS 62627-09, which is a Technical Specification, has been prepared by subcommittee SC 86B: Fibre optic interconnecting devices and passive components, of IEC technical committee 86: Fibre optics.

The text of this technical specification is based on the following documents:

Enquiry draft	Report on voting
86B/3993/DTS	86B/4016/RVC

Full information on the voting for the approval of this technical specification can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts in the IEC 62627 series, published under the general title *Fibre optic interconnecting devices and passive components*, 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 website under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- transformed into an International standard,
- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

INTRODUCTION

SC 86B, Fibre optic interconnecting devices and passive components, specifies several passive optical devices. Each passive optical device has generic specification and performance specifications. Generic specifications define terms, definitions and requirements (classifications, documentations, standardization systems and so on). Some basic terms and definitions are defined and used in two or more generic specifications. In order to harmonize terms and definitions in generic specifications, this technical specification defines terms and definitions commonly used in multiple generic specifications.

FIBRE OPTIC INTERCONNECTING DEVICES AND PASSIVE COMPONENTS –

Vocabulary for passive optical devices

1 Scope

This part of IEC 62627, which is a Technical Specification, applies to passive optical devices (components). It provides the definitions which are commonly used in the generic specifications, performance standards and tests and measurement standards for passive optical devices (components) prepared by SC 86B. It has the following three types of terms and definitions:

- basic terms and definitions;
- component terms and definitions;
- performance parameter terms and definitions.

The generic specifications for passive optical devices (components) are listed in Annex A.

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.

This document contains no normative references.

3 Terms, definitions and abbreviated terms

3.1 General

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

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at http://www.electropedia.org/
- ISO Online browsing platform: available at http://www.iso.org/obp

3.2 Basic terms and definitions

3.2.1
port
optical fibre or fibre optic connector attached to a passive component for the entry and/or exit of optical power

[SOURCE: IEC 60876-1:2014, 3.1.1]

3.2.2
input port
port where the optical power enters the device