

BS EN 61073-1:2009



BSI Standards Publication

Fibre optic interconnecting devices and passive components — Mechanical splices and fusion splice protectors for optical fibres and cables —

Part 1: Generic specification

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National foreword

This British Standard is the UK implementation of EN 61073-1:2009. It is identical to IEC 61073-1:2009. It supersedes BS EN 61073-1:2000 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee GEL/86, Fibre optics, to Subcommittee GEL/86/2, Fibre optic interconnecting devices and passive components.

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

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Compliance with a British Standard cannot confer immunity from legal obligations.

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 31 July 2009

Amendments issued since publication

Amd. No.	Date	Text affected
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English version

**Fibre optic interconnecting devices and passive components -
Mechanical splices and fusion splice protectors
for optical fibres and cables -
Part 1: Generic specification
(IEC 61073-1:2009)**

Dispositifs d'interconnexion
et composants passifs à fibres optiques -
Epissures mécaniques et protecteurs
d'épissures par fusion pour fibres
et câbles optiques -
Partie 1: Spécification générique
(CEI 61073-1:2009)

Lichtwellenleiter -
Verbindungselemente
und passive Bauteile -
Mechanische Spleiße
und Fusionsspleißschutze
für optische Fasern und Kabel -
Teil 1: Fachgrundspezifikation
(IEC 61073-1:2009)

This European Standard was approved by CENELEC on 2009-02-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

Central Secretariat: avenue Marnix 17, B - 1000 Brussels

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Foreword

The text of document 86B/2773/FDIS, future edition 4 of IEC 61073-1, prepared by SC 86B, Fibre optic interconnecting devices and passive components, of IEC TC 86, Fibre optics, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61073-1 on 2009-02-01.

This European Standard supersedes EN 61073-1:2000.

The main changes with respect to EN 61073-1:2000 are as follows:

- terms and definitions have been reconsidered;
- style has been added in classification of requirement;
- environmental category has been deleted from classification of requirement;
- standardisation structure and standards interlink have been reconsidered.

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) | 2009-11-01 |
| – latest date by which the national standards conflicting
with the EN have to be withdrawn | (dow) | 2010-02-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61073-1:2009 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following referenced documents are indispensable for the application 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.

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 60027	Series	Letter symbols to be used in electrical technology	EN 60027	Series
IEC 60050-731	- ¹⁾	International Electrotechnical Vocabulary (IEV) - Chapter 731: Optical fibre communication	-	-
IEC 60617	Series	Graphical symbols for diagrams	-	-
IEC 60695-11-5	- ¹⁾	Fire hazard testing - Part 11-5: Test flames - Needle-flame test method - Apparatus, confirmatory test arrangement and guidance	EN 60695-11-5	2005 ²⁾
IEC 60793-1 (mod)	Series	Optical fibres - Part 1: Measurement methods and test procedures	EN 60793-1	Series
IEC 60825-1	- ¹⁾	Safety of laser products - Part 1: Equipment classification and requirements	EN 60825-1	2007 ²⁾
IEC 61300-1	- ¹⁾	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance	EN 61300-1	2003 ²⁾
IEC 61300-2	Series	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2: Tests	EN 61300-2	Series
IEC 61300-3	Series	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3: Examinations and measurements	EN 61300-3	Series
IEC/TR 61930	- ¹⁾	Fibre optic graphical symbology	-	-
IEC/TR 61931	- ¹⁾	Fibre optic - Terminology	-	-
IEC QC 001002-3	- ¹⁾	IEC Quality Assessment System for Electronic Components (IECQ) - Rules of Procedure - Part 3: Approval procedures	-	-

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC Guide 102	- ¹⁾	Electronic components - Specification structures for quality assessment (Qualification approval and capability approval)	-	-
ISO 129-1	- ¹⁾	Technical drawings - Indication of dimensions and tolerances - Part 1: General principles	-	-
ISO 286-1	- ¹⁾	ISO system of limits and fits - Part 1: Bases of tolerances, deviations and fits	-	-
ISO 1101	- ¹⁾	Geometrical Product Specifications (GPS) - Geometrical tolerancing - Tolerances of form, orientation, location and run-out	EN ISO 1101	2005 ²⁾
ISO 8601	- ¹⁾	Data elements and interchange formats - Information interchange - Representation of dates and times	-	-



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INTERNATIONAL STANDARD

**Fibre optic interconnecting devices and passive components ± Mechanical
splices and fusion splice protectors for optical fibres and cables ±
Part 1: Generic specification**

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