

BSI Standards Publication

Fibre optic interconnecting devices and passive components — Performance standard

Part 071-02: Non-connectorized single-mode fibre optic 1 × 2 and 2 × 2 spatial switches for category C — Controlled environments

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Full document details: BS EN IEC 61753-071-02:2020+A1:2024

National foreword

This British Standard is the UK implementation of EN IEC 61753-071-02:2020+A1:2024. It is identical to IEC 61753-071-02:2020, incorporating amendment 1:2024. It supersedes BS EN IEC 61753-071-02:2020, which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee 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 committee manager.

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Amendments/corrigenda issued since publication

Date	Text affected
31 May 2024	Implementation of IEC amendment 1:2024 with CENELEC endorsement A1:2024: Subclause 3.3 new Note to entry inserted and Figure 2 replaced

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 61753-071-02:2020+A1

April 2024

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Supersedes EN 61753-071-2:2014 and all of its amendments and corrigenda (if any)

English Version

Fibre optic interconnecting devices and passive components - Performance standard - Part 071-02: Non-connectorized single-mode fibre optic 1 × 2 and 2 × 2 spatial switches for category C - Controlled environments (IEC 61753-071-02:2020)

Dispositifs d'interconnexion et composants passifs fibroniques - Norme de performance - Partie 071-02: Commutateurs spatiaux optiques unimodaux 1 x 2 et 2 x 2 non connectorisés pour la catégorie C - Environnements contrôlés
(IEC 61753-071-02:2020)

Lichtwellenleiter - Verbindungselemente und passive Bauteile - Betriebsverhalten - Teil 071-2: Nicht mit Steckverbindern versehene räumliche 1 x 2 und 2 x 2 Einmodenschalter für die Kategorie C - Kontrollierte Umgebung
(IEC 61753-071-02:2020)

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

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European foreword

The text of document 86B/4324/FDIS, future edition 1 of IEC 61753-071-02, 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 approved by CENELEC as EN IEC 61753-071-02:2020.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-07-27
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-10-27

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The text of the International Standard IEC 61753-071-02:2020 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 61300-3-3	NOTE	Harmonized as EN 61300-3-3
IEC 61300-3-4	NOTE	Harmonized as EN 61300-3-4
IEC 61753-071-2:2014	NOTE	Harmonized as EN 61753-071-2:2014 (not modified)
IEC 61753-1:2018	NOTE	Harmonized as EN IEC 61753-1:2018 (not modified)
IEC 62343-1	NOTE	Harmonized as EN IEC 62343-1

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European foreword to amendment A1

The text of document 86B/4780/CDV, future IEC 61753-071-02/AMD1, 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 approved by CENELEC as EN IEC 61753-071-02:2020/A1:2024.

The following dates are fixed:

• latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement	(dop)	2024-12-29
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2027-03-29

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Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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.

NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60068-2-27	2008	Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock	EN 60068-2-27	2009
IEC 60793-2-50	-	Optical fibres - Part 2-50: Product specifications - Sectional specification for class B single-mode fibres	EN IEC 60793-2-50	-
IEC 60794-2-50	-	Optical fibre cables - Part 2-50: Indoor optical fibre cables - Family specification for simplex and duplex cables for use in terminated cable assemblies	EN IEC 60794-2-50	-
IEC 60876-1	-	Fibre optic interconnecting devices and passive components - Fibre optic spatial switches - Part 1: Generic specification	EN 60876-1	-
IEC 61300	series	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 1: General and guidance	-	-
IEC 61300-2-1	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-1: Tests - Vibration (sinusoidal)	-	-
IEC 61300-2-4	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-4: Tests - Fibre or cable retention	EN IEC 61300-2-4	-
IEC 61300-2-5	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-5: Tests - Torsion	-	-

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Publication	Year	Title	EN/HD	Year
IEC 61300-2-9	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-9: Tests - Shock	EN 61300-2-9	-
IEC 61300-2-14	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-14: Tests - High optical power	-	-
IEC 61300-2-17	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-17: Tests - Cold	EN 61300-2-17	-
IEC 61300-2-18	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-18: Tests - Dry heat - High temperature endurance	EN 61300-2-18	-
IEC 61300-2-19	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-19: Tests - Damp heat (steady state)	EN 61300-2-19	-
IEC 61300-2-22	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-22: Tests - Change of temperature	EN 61300-2-22	-
IEC 61300-2-42	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-42: Tests - Static side load for strain relief	EN 61300-2-42	-
IEC 61300-2-44	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 2-44: Tests - Flexing of the strain relief of fibre optic devices	EN 61300-2-44	-
IEC 61300-3-2	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures -- Part 3-2: Examinations and measurements - Polarization dependence of a single-mode fibre optic device	-	-
IEC 61300-3-6	-	Fibre optic interconnecting devices and passive components - Basic test and measurement procedures - Part 3-6: Examinations and measurements - Return loss	EN 61300-3-6	-

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