



SLOVENSKI STANDARD SIST EN 61754-24-21:2009

01-november-2009

Cd[h] b]gdc'b]Y'Ya Ybh]'b'dUg]j bY'_ca dcbYbhY!'Ja Ygb]_'nUcdh] bY'_cbY_lcf^Y'!
& !&%^XY.'Ja Ygb]y_']ghUbxUX'nU'_cbY_lcf^Y'G7!F>'n'nUy]h]a]c\]y^'dc'97
%\$+!' !%\$* žfUn`] JWU\$* f197 *%+) (!& !&%&\$-\$- Ł

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 24-21: Type SC-RJ connectors with protective housings based on IEC 61076-3-106, variant 06 (IEC 61754-24-21:2009)

iTeh STANDARD PREVIEW

Lichtwellenleiter - Verbindungselemente und passive Bauteile - Steckgesichter von Lichtwellenleiter-Steckverbindern - Teil 24-21: Steckverbinderfamilie der Bauart SC-RJ mit Schutzgehäuse nach IEC 61076-3-106, Ausführung 06 (IEC 61754-24-21:2009)

[SIST EN 61754-24-21:2009](https://standards.iteh.ai/catalog/standards/sist/31eac321-a0e2-48b3-8154-322222222222-4171230)

<https://standards.iteh.ai/catalog/standards/sist/31eac321-a0e2-48b3-8154-322222222222-4171230>

Dispositifs d'interconnexion et composants passifs à fibres optiques - Interfaces de connecteurs pour fibres optiques - Partie 24-21: Connecteurs de type SC-RJ munis de capots de protection, basés sur la CEI 61076-3-106, variante 06 (CEI 61754-24-21:2009)

Ta slovenski standard je istoveten z: EN 61754-24-21:2009

ICS:

33.180.20 Ú[ç^: [çæ] ^Á æ] |æ^Á æ Fibre optic interconnecting devices
[] cã } æç|æ } æ

SIST EN 61754-24-21:2009

en

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 61754-24-21:2009

<https://standards.iteh.ai/catalog/standards/sist/31eac321-a0e2-48b3-8154-32f4e4e1d092/sist-en-61754-24-21-2009>

EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61754-24-21

September 2009

ICS 33.180.20

English version

**Fibre optic interconnecting devices and passive components -
Fibre optic connector interfaces -
Part 24-21: Type SC-RJ connectors with protective housings
based on IEC 61076-3-106, variant 06
(IEC 61754-24-21:2009)**

Dispositifs d'interconnexion et
composants passifs à fibres optiques -
Interfaces de connecteurs
pour fibres optiques -
Partie 24-21: Connecteurs de type SC-RJ
munis de capots de protection,
basés sur la CEI 61076-3-106, variante 06
(CEI 61754-24-21:2009)

Lichtwellenleiter -
Verbindungselemente
und passive Bauteile -
Steckgesichter von Lichtwellenleiter-
Steckverbindern -
Teil 24-21: Steckverbinderfamilie
der Bauart SC-RJ mit Schutzgehäuse
nach IEC 61076-3-106, Ausführung 06
(IEC 61754-24-21:2009)

[SIST EN 61754-24-21:2009](https://standards.iteh.ai/catalog/standards/sist/31eac321-a0e2-48b3-8154-32f4e4e1d092/sist-en-61754-24-21-2009)

<https://standards.iteh.ai/catalog/standards/sist/31eac321-a0e2-48b3-8154-32f4e4e1d092/sist-en-61754-24-21-2009>

This European Standard was approved by CENELEC on 2009-07-01. 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

Central Secretariat: Avenue Marnix 17, B - 1000 Brussels

Foreword

The text of document 86B/2837/FDIS, future edition 1 of IEC 61754-24-21, 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 61754-24-21 on 2009-07-01.

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) 2010-04-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2012-07-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61754-24-21:2009 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 60603-7	NOTE Harmonized in EN 60603-7 series (not modified).
IEC 61754-1	NOTE Harmonized as EN 61754-1:1997 (not modified).
IEC 61755-1	NOTE Harmonized as EN 61755-1:2006 (not modified).
ISO 5456-2	NOTE Harmonized as EN ISO 5456-2:1999 (not modified).

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 60529	- ¹⁾	Degrees of protection provided by enclosures (IP Code)	EN 60529 + corr. May	1991 ²⁾ 1993
IEC 61076-3-106	- ¹⁾	Connectors for electronic equipment - Product requirements - Part 3-106: Rectangular connectors - Detail specification for protective housings for use with 8-way shielded and unshielded connectors for industrial environments incorporating the IEC 60603-7 series interface	EN 61076-3-106	2006 ²⁾
IEC 61753-1	- ¹⁾	Fibre optic interconnecting devices and passive components performance standard - Part 1: General and guidance for performance standards	EN 61753-1	2007 ²⁾
IEC 61754-4	- ¹⁾	Fibre optic connector interfaces - Part 4: Type SC connector family	EN 61754-4	1997 ²⁾
IEC 61754-24	- ³⁾	Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 24: Type SC-RJ connector family	EN 61754-24	200X ³⁾
IEC 61755	Series	Fibre optic connector optical interfaces	EN 61755	Series

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

³⁾ At draft stage.

iTeh STANDARD PREVIEW
(standards.iteh.ai)

SIST EN 61754-24-21:2009

<https://standards.iteh.ai/catalog/standards/sist/31eac321-a0e2-48b3-8154-32f4e4e1d092/sist-en-61754-24-21-2009>



IEC 61754-24-21

Edition 1.0 2009-06

INTERNATIONAL STANDARD

**Fibre optic interconnecting devices and passive components – Fibre optic
connector interfaces –
Part 24-21: Type SC-RJ connectors with protective housings based on
IEC 61076-3-106, variant 06**

(standards.iteh.ai)
[SIST EN 61754-24-21:2009](https://standards.iteh.ai/catalog/standards/sist/31eac321-a0e2-48b3-8154-32f4e4e1d092/sist-en-61754-24-21-2009)

<https://standards.iteh.ai/catalog/standards/sist/31eac321-a0e2-48b3-8154-32f4e4e1d092/sist-en-61754-24-21-2009>

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

PRICE CODE

K

ICS 33.180.20

ISBN 2-8318-1046-6

CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references.....	5
3 Description	5
3.1 General	5
3.2 Functional requirements	6
3.3 Environmental, optical and mechanical requirements	6
4 Interface	6
4.1 Free connector part	6
4.2 Fixed adaptor part	7
4.3 Mounting information for the fixed adaptor	8
Bibliography	10
Figure 1 – Free connector (male)	7
Figure 2 – Fixed adaptor	8
Figure 3 – Mounting information of the fixed adaptor.....	9
Table 1 – Intermateability between plugs, adaptors and receptacles	6
Table 2 – Dimensions of the free connector.....	7
Table 3 – Dimensions of the fixed adaptor (“female”).....	8
Table 4 – Dimensions for mounting the fixed adaptor.....	9

iTech STANDARD PREVIEW
 (standards.iteh.ai)
 SIST EN 61754-24-21:2009
<https://standards.iteh.ai/catalog/standards/sist/31eac321-a0e2-48b3-8154-32f4e4e1d092/sist-en-61754-24-21-2009>

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**FIBRE OPTIC INTERCONNECTING
DEVICES AND PASSIVE COMPONENTS –
FIBRE OPTIC CONNECTOR INTERFACES –**

**Part 24-21: Type SC-RJ connectors with protective housings
based on IEC 61076-3-106, variant 06**

FOREWORD

- 1) The International Electrotechnical Commission (IEC) is a worldwide organization for standardization comprising all national electrotechnical committees (IEC National Committees). The object of IEC is to promote international co-operation on all questions concerning standardization in the electrical and electronic fields. To this end and in addition to other activities, IEC publishes International Standards, Technical Specifications, Technical Reports, Publicly Available Specifications (PAS) and Guides (hereafter referred to as "IEC Publication(s)"). Their preparation is entrusted to technical committees; any IEC National Committee interested in the subject dealt with may participate in this preparatory work. International, governmental and non-governmental organizations liaising with the IEC also participate in this preparation. IEC collaborates closely with the International Organization for Standardization (ISO) in accordance with conditions determined by agreement between the two organizations.
- 2) The formal decisions or agreements of IEC on technical matters express, as nearly as possible, an international consensus of opinion on the relevant subjects since each technical committee has representation from all interested IEC National Committees.
- 3) IEC Publications have the form of recommendations for international use and are accepted by IEC National Committees in that sense. While all reasonable efforts are made to ensure that the technical content of IEC Publications is accurate, IEC cannot be held responsible for the way in which they are used or for any misinterpretation by any end user.
- 4) In order to promote international uniformity, IEC National Committees undertake to apply IEC Publications transparently to the maximum extent possible in their national and regional publications. Any divergence between any IEC Publication and the corresponding national or regional publication shall be clearly indicated in the latter.
- 5) IEC provides no marking procedure to indicate its approval and cannot be rendered responsible for any equipment declared to be in conformity with an IEC Publication.
- 6) All users should ensure that they have the latest edition of this publication.
- 7) No liability shall attach to IEC or its directors, employees, servants or agents including individual experts and members of its technical committees and IEC National Committees for any personal injury, property damage or other damage of any nature whatsoever, whether direct or indirect, or for costs (including legal fees) and expenses arising out of the publication, use of, or reliance upon, this IEC Publication or any other IEC Publications.
- 8) Attention is drawn to the Normative references cited in this publication. Use of the referenced publications is indispensable for the correct application of this publication.
- 9) Attention is drawn to the possibility that some of the elements of this IEC Publication may be the subject of patent rights. IEC shall not be held responsible for identifying any or all such patent rights.

International Standard IEC 61754-24-21 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/2837/FDIS	86B/2878/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.