Irish Standard
I.S. EN 61754-24-11:2009

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces -- Part 24-11: Type SC-RJ connectors with protective housings based on IEC 61076-3-117 (IEC 61754-24-11:2009 (EQV))

I.S. EN 61754-24-11:2009

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EUROPEAN STANDARD

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EN 61754-24-11

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English version

Fibre optic interconnecting devices and passive components - Fibre optic connector interfaces - Part 24-11: Type SC-RJ connectors with protective housings based on IEC 61076-3-117

(IEC 61754-24-11:2009)

Dispositifs d'interconnexion
et composants passifs à fibres optiques -
Interfaces de connecteurs
pour fibres optiques -
Partie 24-11: Connecteurs de type SC-RJ
munis de capots de protection,
basés sur la CEI 61076-3-117
(CEI 61754-24-11:2009)

Lichtwellenleiter -
Verbindungselemente
und passive Bauteile -
Steckgesichter
von Lichtwellenleiter-Steckverbindern -
Teil 24-11: Steckverbinderfamilie
der Bauart SC-RJ mit Schutzgehäuse
nach IEC 61076-3-117
(IEC 61754-24-11:2009)

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.

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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

Ref. No. EN 61754-24-11:2009 E

Foreword

The text of document 86B/2836/FDIS, future edition 1 of IEC 61754-24-11, 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 61754-24-11 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– latest date by which the national standards conflicting with the EN have to be withdrawn	(dow)	2012-07-01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 61754-24-11:2009 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 61076-3-106	NOTE	Harmonized as EN 61076-3-106:2006 (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).

I.S. EN 61754-24-11:2009

IEC 61754-24-11

Edition 1.0 2009-06

INTERNATIONAL STANDARD

Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 24-11: Type SC-RJ connectors with protective housings based on IEC 61076-3-117

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

Part 24-11: Type SC-RJ connectors with protective housings based on IEC 61076-3-117

FOREWORD

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International Standard IEC 61754-24-11 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/2836/FDIS	86B/2877/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.

A list of all the parts in the IEC 61754 series, under the general title *Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces*, can be found on the IEC website.

Future standards in this series will carry the new general title as cited above. Titles of existing standards in this series will be updated at the time of the next edition.

The committee has decided that the contents of this publication will remain unchanged until the maintenance result date indicated on the IEC web site under "http://webstore.iec.ch" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

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

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

Part 24-11: Type SC-RJ connectors with protective housings based on IEC 61076-3-117

1 Scope

This part of IEC 61754 serves as an interface standard and describes an SC-RJ fibre optic connector equipped with a protective housing for upgrading the existing interface described in IEC 61754-24 to IP65 and IP67 ratings according to IEC 60529, for use in harsh industrial environments.

2 Normative references

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 thereferenced document (including any amendments) applies.

IEC 60529, *Degrees of protection provided by enclosures (IP Code)*

IEC 61076-3-117, *Connectors for electronic equipment – Product requirements – Part 3-117: 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 – Variant 14 related to IEC 61076-3-106 – Push-pull coupling*

IEC 61753-1, *Fibre optic interconnecting devices and passive components performance standard – Part 1: General and guidance for performance standards*

IEC 61754-4, *Fibre optic connector interfaces – Part 4: Type SC connector family*

IEC 61754-24, *Fibre optic interconnecting devices and passive components – Fibre optic connector interfaces – Part 24: Type SC-RJ connector family*[1]

IEC 61755 (all parts), *Fibre optical connector optical interfaces*

3 Description

3.1 General

IEC 61754-24-11, which is an interface standard, based on IEC 61754-24 describes protective housing for fibre optic connectors for use in harsh industrial environments.

The fully assembled connector incorporates fixed and free connectors which are fully compliant with IEC 61754-24. The mechanical design of the interior allows the mounting of connectors according to IEC 61754-24.

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1 To be published.