

### IEC 61754-24-11

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## 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

INTERNATIONAL ELECTROTECHNICAL COMMISSION

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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.

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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- withdrawn,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.

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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

#### 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<sup>1</sup>

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

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<sup>1</sup> To be published.