

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Radio-frequency connectors –
Part 64: Sectional specification – RF coaxial connectors with 0,8 mm inner
diameter of outer conductor – Characteristic impedance 50 Ω (type 0,8)**

**Connecteurs pour fréquences radioélectriques –
Partie 64: Spécification intermédiaire – Connecteurs RF coaxiaux avec un
conducteur extérieur disposant d'un diamètre intérieur de 0,8 mm – Impédance
caractéristique de 50 Ω (type 0,8)**



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IEC Central Office
3, rue de Varembe
CH-1211 Geneva 20
Switzerland

Tel.: +41 22 919 02 11
info@iec.ch
www.iec.ch

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

RADIO-FREQUENCY CONNECTORS –

Part 64: Sectional specification – RF coaxial connectors with 0,8 mm inner diameter of outer conductor – Characteristic impedance 50 Ω (type 0,8)

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International Standard IEC 61169-64 has been prepared by subcommittee 46F: RF and microwave passive components, of IEC technical committee 46: Cables, wires, waveguides, RF connectors, RF and microwave passive components and accessories.

The text of this standard is based on the following documents:

FDIS	Report on voting
46F/469/FDIS	46F/485/RVD

Full information on the voting for the approval of this International Standard can be found in the report on voting indicated in the above table.

This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of the IEC 61169 series, under the general title: *Radio-frequency connectors*, can be found on the IEC website.

The committee has decided that the contents of this document will remain unchanged until the stability date indicated on the IEC website under "<http://webstore.iec.ch>" in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
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RADIO-FREQUENCY CONNECTORS –

Part 64: Sectional specification – RF coaxial connectors with 0,8 mm inner diameter of outer conductor – Characteristic impedance 50 Ω (type 0,8)

1 Scope

This part of IEC 61169, which is a sectional specification (SS), provides information and rules for the preparation of detail specifications (DS) for IEC 61169 (all parts) coaxial connectors with 0,8 mm coupling.

The connectors are used with cables with characteristic impedance 50 Ω in an operating frequency range up to 145 GHz. The connectors are widely used in communications and measurements.

It describes the interface dimensions for general purpose connectors with gauging information and the mandatory tests selected from IEC 61169-1, applicable to all detail specifications relative to type 0,8 connectors.

This specification indicates the recommended performance characteristics to be considered when writing a DS and covers all tests schedules and inspection requirements.

NOTE Dimension are in mm, however original dimensions were in inches.

All un-dimensioned pictorial configurations are for reference purpose only.

2 Normative references

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.

IEC 61169-1:2013, *Radio-frequency connectors – Part 1: Generic specification – General requirements and measuring methods*

IEC 62037-3, *Passive RF and microwave devices, intermodulation level measurement – Part 3: Measurement of passive intermodulation in coaxial connectors*

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminological databases for use in standardization at the following addresses:

- IEC Electropedia: available at <http://www.electropedia.org/>
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