

INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Radio-frequency connectors –
Part 63: Sectional specification – RF coaxial connectors with inner diameter of
outer conductor 6,5 mm (0,256 in) with bayonet lock – Characteristic
impedance 75 Ω (type BNC75)**

**Connecteurs pour fréquences radioélectriques –
Partie 63: Spécification intermédiaire – Connecteurs coaxiaux pour fréquences
radioélectriques avec diamètre intérieur du conducteur extérieur de 6,5 mm
(0,256 in) à verrouillage à baïonnette – Impédance caractéristique 75 Ω
(type BNC75)**



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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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RADIO-FREQUENCY CONNECTORS –

Part 63: Sectional specification – RF coaxial connectors with inner diameter of outer conductor 6,5 mm (0,256 in) with bayonet lock – Characteristic impedance 75 Ω (type BNC75)

FOREWORD

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International Standard IEC 61169-63 has been prepared by subcommittee 46F: RF and microwave passive components, of IEC technical committee 46: Cables wires, waveguides, RF connectors, RF microwave passive components and accessories.

The text of this International Standard is based on the following documents:

FDIS	Report on voting
46F/501/FDIS	46F/506/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, published 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

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RADIO-FREQUENCY CONNECTORS –

Part 63: Sectional specification – RF coaxial connectors with inner diameter of outer conductor 6,5 mm (0,256 in) with bayonet lock – Characteristic impedance 75 Ω (type BNC75)

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 RF coaxial connectors which can preferably be used with RF cables 60096 IEC 50-3 of IEC 60096-2. These connector patterns are for low power, quick connect/disconnect applications using a bayonet type coupling mechanism and are commonly known as type "BNC" with characteristic impedance 75 Ω .

It describes the interface dimensions for general purpose connectors, dimensional details for standard test connectors together with gauging information and the mandatory tests selected from IEC 61169-1, applicable to all DS relating to type BNC connectors with characteristic impedance 75 Ω .

This document indicates the recommended performance characteristics to be considered when writing a DS and covers test schedules and inspection requirements.

NOTE The original dimensions are in inches. All undimensioned pictorial configurations are for reference purposes 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 60068-1, *Environmental testing – Part 1: General and guidance*

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

3 Terms and definitions

No terms and definitions are listed in this document.

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