

<b>STN</b>	<b>Vysokofrekvenčné konektory Časť 70: Rámcová špecifikácia vysokofrekvenčných koaxiálnych konektorov súboru HD-BNC, charakteristická impedancia 75 <math>\Omega</math></b>	<b>STN EN IEC 61169-70</b>  35 3811
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Radio-frequency connectors - Part 70: Sectional specification for series HD-BNC radio-frequency coaxial connectors - Characteristic Impedance 75

Táto norma obsahuje anglickú verziu európskej normy.  
This standard includes the English version of the European Standard.

Táto norma bola oznámená vo Vestníku ÚNMS SR č. 06/24

Obsahuje: EN IEC 61169-70:2024, IEC 61169-70:2024

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EUROPEAN STANDARD

**EN IEC 61169-70**

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2024

ICS 31.220

English Version

Radio-frequency connectors - Part 70: Sectional specification for  
series HD-BNC radio-frequency coaxial connectors -  
Characteristic Impedance 75  $\Omega$   
(IEC 61169-70:2024)

Connecteurs pour fréquences radioélectriques - Partie 70 :  
Spécification intermédiaire pour les connecteurs coaxiaux  
pour fréquences radioélectriques de la série HD-BNC -  
Impédance caractéristique de 75  $\Omega$   
(IEC 61169-70:2024)

Hochfrequenz-Steckverbinder - Teil 70:  
Rahmenspezifikation für Hochfrequenz-  
Koaxialsteckverbinder der Serie HD-BNC -  
Wellenwiderstand 75 Ohm  
(IEC 61169-70:2024)

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**EN IEC 61169-70:2024 (E)****European foreword**

The text of document 46F/657/FDIS, future edition 1 of IEC 61169-70, prepared by SC 46F "RF and microwave passive components" of IEC/TC 46 "Cables, wires, waveguides, RF connectors, RF and microwave passive components and accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 61169-70:2024.

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NOTE 1 Where an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: [www.cencenelec.eu](http://www.cencenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61169-1	2013	Radio frequency connectors - Part 1: Generic specification - General requirements and measuring methods	EN 61169-1	2013



IEC 61169-70

Edition 1.0 2024-02

# INTERNATIONAL STANDARD

## NORME INTERNATIONALE

**Radio-frequency connectors –  
Part 70: Sectional specification for series HD-BNC radio-frequency coaxial  
connectors – Characteristic Impedance 75  $\Omega$**

**Connecteurs pour fréquences radioélectriques –  
Partie 70 : Spécification intermédiaire pour les connecteurs coaxiaux pour  
fréquences radioélectriques de la série HD-BNC – Impédance caractéristique de  
75  $\Omega$**

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IEC 61169-70

Edition 1.0 2024-02

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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**Radio-frequency connectors –  
Part 70: Sectional specification for series HD-BNC radio-frequency coaxial  
connectors – Characteristic Impedance 75  $\Omega$**

**Connecteurs pour fréquences radioélectriques –  
Partie 70 : Spécification intermédiaire pour les connecteurs coaxiaux pour  
fréquences radioélectriques de la série HD-BNC – Impédance caractéristique de  
75  $\Omega$**

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## INTERNATIONAL ELECTROTECHNICAL COMMISSION

## RADIO-FREQUENCY CONNECTORS –

**Part 70: Sectional specification for series HD-BNC radio-frequency coaxial connectors – Characteristic impedance 75 Ω**

## FOREWORD

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

Draft	Report on voting
46F/657/FDIS	46F/664/RVD

Full information on the voting for its approval can be found in the report on voting indicated in the above table.

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at [www.iec.ch/members\\_experts/refdocs](http://www.iec.ch/members_experts/refdocs). The main document types developed by IEC are described in greater detail at [www.iec.ch/publications](http://www.iec.ch/publications).

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## RADIO-FREQUENCY CONNECTORS –

### Part 70: Sectional specification for series HD-BNC radio-frequency coaxial connectors – Characteristic impedance 75 $\Omega$

#### 1 Scope

This part of IEC 61169, which is a sectional specification (SS), provides information and rules for the preparation of detail specifications (DS) of HD-BNC series RF coaxial connectors together with the pro forma blank detail specification. HD-BNC series connectors with characteristic impedance of 75  $\Omega$  are used with RF cables or micro-strips in microwave, telecommunication, wireless and other fields. The operating frequency limit is up to 18 GHz.

It also prescribes mating face dimensions for general purpose connectors, gauging information and tests selected from IEC 61169-1, applicable to all detail specifications relating to series HD-BNC RF connectors.

This specification indicates the recommended performance characteristics to be considered when writing a detail specification and it covers test schedules and inspection requirements for assessment levels M and H.

#### 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*

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