ICS 33.120.30 SLOVENSKÁ TECHNICKÁ NORMA November 2020

STN	**Vysokofrekvenčné konektory Časť 63: Rámcová špecifikácia VF koaxiálne konektory s vnútorným priemerom vonkajšieho vodiča 6,5 mm (0,256 in) s bajonetovým spojením Charakteristická impedancia 75 ohmov (typ BNC75)**	**STN EN IEC 61169-63** 35 3811

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 ohms (type BNC75)

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. 10/20

Obsahuje: EN IEC 61169-63:2020, IEC 61169-63:2020

131797

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 61169-63

July 2020

ICS 33.120.30

English Version

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 ohms (type BNC75) (IEC 61169-63:2020)

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 ohms (type BNC75)
(IEC 61169-63:2020)

Hochfrequenz-Steckverbinder - Teil 63: Rahmenspezifikation - Koaxiale Hochfrequenzsteckverbinder mit 6,5 mm (0,256 in) Innendurchmesser des Außenleiters und Bajonettverschluss - Wellenwiderstand 75 Ohm (Typ BNC75)
(IEC 61169-63:2020)

This European Standard was approved by CENELEC on 2020-06-30. 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.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the CEN-CENELEC Management Centre or to any CENELEC member.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

Ref. No. EN IEC 61169-63:2020 E

EN IEC 61169-63:2020 (E)

European foreword

The text of document 46F/501/FDIS, future edition 1 of IEC 61169-63, 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 61169-63:2020.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2021-03-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2023-06-30

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 61169-63:2020 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 60068-2-1:2007	NOTE	Harmonized as EN 60068-2-1:2007 (not modified)
IEC 60068-2-2:2007	NOTE	Harmonized as EN 60068-2-2:2007 (not modified)
IEC 60068-2-11:1981	NOTE	Harmonized as EN 60068-2-11:1999 (not modified)
IEC 60068-2-13:1983	NOTE	Harmonized as EN 60068-2-13:1999 (not modified)
IEC 60068-2-14:2009	NOTE	Harmonized as EN 60068-2-14:2009 (not modified)
IEC 60068-2-20:2008	NOTE	Harmonized as EN 60068-2-20:2008 (not modified)
IEC 60068-2-30:2005	NOTE	Harmonized as EN 60068-2-30:2005 (not modified)

Annex ZA
(normative)

Normative references to international publications with their corresponding European publications

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.

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.cenelec.eu.

Publication	Year	Title	EN/HD	Year
IEC 60068-1	-	Environmental testing - Part 1: General and guidance	EN 60068-1	-
IEC 61169-1	2013	Radio frequency connectors - Part 1: Generic specification - General requirements and measuring methods	EN 61169-1	2013

IEC 61169-63

Edition 1.0 2020-05

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)

IEC 61169-63:2020-05(en-fr)

IEC 61169-63

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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

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

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*