

STN	Vysokofrekvenčné konektory Časť 66: Rámcová špecifikácia VF koaxiálnych konektorov s vnútorným priemerom vonkajšieho vodiča 5 mm, s rýchlopínacím alebo so závitovým uzáverom, charakteristická impedancia 50 Ohm (séria 2,2-5)	STN EN IEC 61169-66 35 3811
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Radio-frequency connectors - Part 66: Sectional specification for RF coaxial connectors with 5 mm inner diameter of outer conductor, with quick-lock- or screw-coupling, characteristic impedance 50 (series 2,2-5)

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. 07/21

Obsahuje: EN IEC 61169-66:2021, IEC 61169-66:2021

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EUROPEAN STANDARD

EN IEC 61169-66

NORME EUROPÉENNE

EUROPÄISCHE NORM

April 2021

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English Version

**Radio-frequency connectors - Part 66: Sectional specification for
RF coaxial connectors with 5 mm inner diameter of outer
conductor, with quick-lock- or screw-coupling, characteristic
impedance 50 Ω (series 2,2-5)
(IEC 61169-66:2021)**

Connecteurs pour fréquences radioélectriques - Partie 66:
Spécification intermédiaire relative aux connecteurs
coaxiaux pour fréquences radioélectriques avec diamètre
intérieur du conducteur extérieur de 5 mm à couplage à
verrouillage rapide ou à vis, impédance caractéristique de
50 Ω (série 2,2-5)
(IEC 61169-66:2021)

Hochfrequenz-Steckverbinder - Teil 66:
Rahmenspezifikation für koaxiale HF-Steckverbinder mit 5
mm Innendurchmesser des Außenleiters, mit Schraub- oder
Schnellverriegelungs-Kupplung, Wellenwiderstand 50 Ohm
(Reihe 2.2-5)
(IEC 61169-66:2021)

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Europäisches Komitee für Elektrotechnische Normung

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

EN IEC 61169-66:2021 (E)**European foreword**

The text of document 46F/543/FDIS, future edition 1 of IEC 61169-66, 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 61169-66:2021.

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Annex ZA (normative)

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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.cenelec.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 62037-1	2012	Passive RF and microwave devices, intermodulation level measurement - Part 1: General requirements and measuring methods	EN 62037-1	2012



IEC 61169-66

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INTERNATIONAL STANDARD

NORME INTERNATIONALE

**Radio-frequency connectors –
Part 66: Sectional specification for RF coaxial connectors with 5 mm inner
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Partie 66: Spécification intermédiaire relative aux connecteurs coaxiaux pour
fréquences radioélectriques avec diamètre intérieur du conducteur extérieur de
5 mm à couplage à verrouillage rapide ou à vis, impédance caractéristique de
50 Ω (série 2,2-5)**

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IEC 61169-66

Edition 1.0 2021-02

INTERNATIONAL STANDARD

NORME INTERNATIONALE

Radio-frequency connectors –

Part 66: Sectional specification for RF coaxial connectors with 5 mm inner diameter of outer conductor, with quick-lock- or screw-coupling, characteristic impedance 50 Ω (series 2,2-5)

Connecteurs pour fréquences radioélectriques –

Partie 66: Spécification intermédiaire relative aux connecteurs coaxiaux pour fréquences radioélectriques avec diamètre intérieur du conducteur extérieur de 5 mm à couplage à verrouillage rapide ou à vis, impédance caractéristique de 50 Ω (série 2,2-5)

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

RADIO-FREQUENCY CONNECTORS –**Part 66: Sectional specification for RF coaxial connectors with 5 mm inner diameter of outer conductor, with quick-lock- or screw-coupling, characteristic impedance 50 Ω (series 2,2-5)**

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

FDIS	Report on voting
46F/543/FDIS	46F/552/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. The main document types developed by IEC are described in greater detail at www.iec.ch/standardsdev/publications.

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

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RADIO-FREQUENCY CONNECTORS –

Part 66: Sectional specification for RF coaxial connectors with 5 mm inner diameter of outer conductor, with quick-lock- or screw-coupling, characteristic impedance 50 Ω (series 2,2-5)

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 series 2,2-5 RF coaxial connectors with quick-lock- or screw coupling, characteristic impedance 50 Ω , for operating frequencies up to 6 GHz. Typical use is in wireless telecommunication systems.

It describes mating face dimensions for general purpose connectors – grade 2, gauging information and tests selected from IEC 61169-1, applicable to all detail specifications relating to series 2,2-5 RF connectors.

This specification indicates 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.

NOTE Metric dimension are original dimensions. All undimensioned 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*

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