

Radio-frequency connectors —

Part 2: Sectional specification — Radio frequency coaxial connectors of type 9,52

The European Standard EN 61169-2:2007 has the status of a
British Standard

ICS 31.220.10

National foreword

This British Standard was published by BSI. It is the UK implementation of EN 61169-2:2007. It is identical with IEC 61169-2:2007. It supersedes BS EN 61169-2:2002 which is withdrawn.

The UK participation in its preparation was entrusted by Technical Committee EPL/46, Cables, wires and waveguides, radio frequency connectors and accessories for communication and signalling, to Subcommittee EPL/46/2, Radio frequency connectors and waveguides.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

Compliance with a British Standard cannot confer immunity from legal obligations.

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English version

**Radio-frequency connectors -
Part 2: Sectional specification -
Radio frequency coaxial connectors of type 9,52
(IEC 61169-2:2007)**

Connecteurs pour fréquences
radioélectriques -
Partie 2: Spécification intermédiaire -
Connecteurs pour fréquences
radioélectriques de série 9,52
(CEI 61169-2:2007)

Hochfrequenz-Steckverbinder -
Teil 2: Rahmenspezifikation -
Koaxiale Hochfrequenzsteckverbinder
Typ 9,52
(IEC 61169-2:2007)

This European Standard was approved by CENELEC on 2007-03-01. 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 Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

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Foreword

The text of document 46F/56/FDIS, future edition 2 of IEC 61169-2, prepared by SC 46F, R.F. and microwave passive components, of IEC TC 46, Cables, wires, waveguides, R.F. connectors, R.F. and microwave passive components and accessories, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61169-2 on 2007-03-01.

This European Standard supersedes EN 61169-2:2001.

The main change introduced in EN 61169-2:2007 is that the maximum frequency is now 3 GHz.

The following dates were fixed:

- | | | |
|--|-------|------------|
| – latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2007-12-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2010-03-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61169-2:2007 was approved by CENELEC as a European Standard without any modification.

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RADIO-FREQUENCY CONNECTORS –

Part 2: Sectional specification – Radio frequency coaxial connectors type 9,52

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 of type 9,52.

It describes the interface dimensions for general purpose grade 2 connectors, dimensional details for standard test connectors, grade 0, together with gauging information and the mandatory tests selected from IEC 61169-1, applicable to all DS relating to type 9,52 connectors.

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

2 Normative references

The following referenced documents are indispensable for the application 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 61169-1:1992, *Radio-frequency connectors – Part 1: Generic specification – General requirements and measuring methods*

3 Interface dimensions

3.1 Interface

3.1.1 General

All dimensions are in millimetres.

All undimensioned pictorial configurations are for reference purposes only.

3.1.2 Dimensions

Figures 1, 2 and 3 provide dimensions for sliding connectors, screw coupling connectors and standard test connectors respectively.

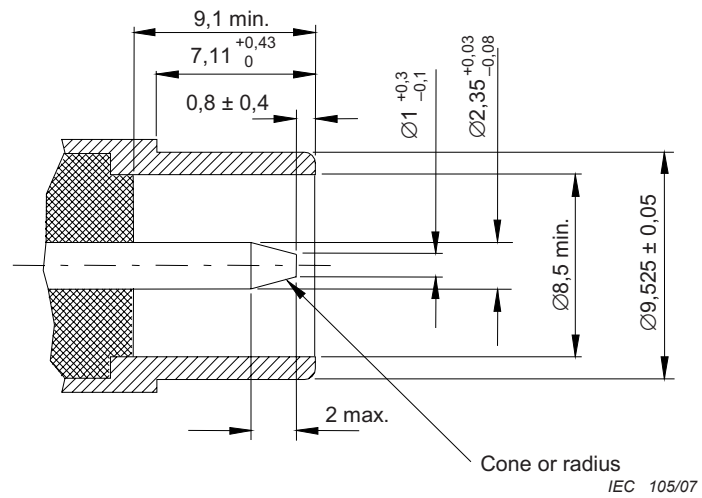


Figure 1a – Sliding male connector

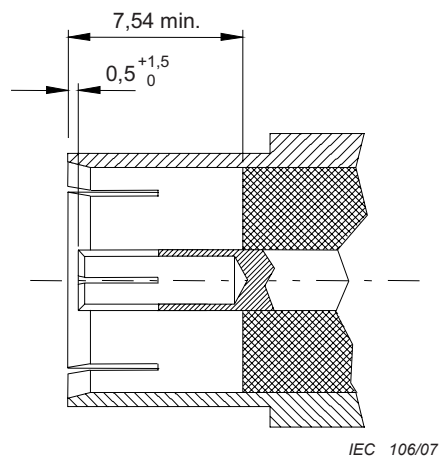


Figure 1b – Sliding female connector

Figure 1 – Sliding connector

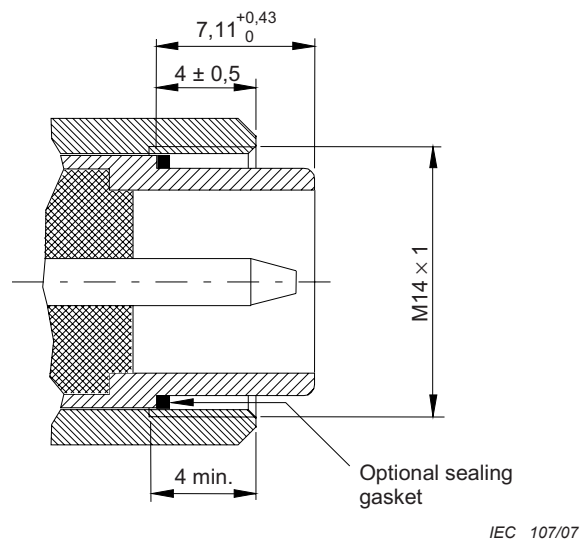


Figure 2a – Screw coupling male connector

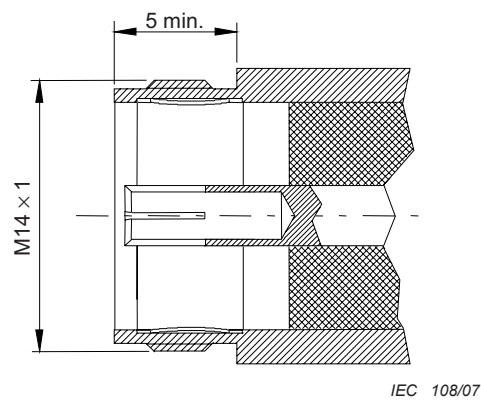


Figure 2b – Screw coupling female connector

Figure 2 – Screw coupling connector