BS EN IEC 61169-65:2021

BSI Standards Publication

# Radio-frequency connectors

Part 65: Sectional specification for RF coaxial connectors, 1,35 mm inner diameter of outer conductor, with screw-coupling, characteristic impedance 50 Ω

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# National foreword

This British Standard is the UK implementation of EN IEC 61169-65:2021. It is identical to IEC 61169-65:2021.

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

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

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

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

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

# EN IEC 61169-65

February 2021

ICS 33.120.30

English Version

# Radio-frequency connectors - Part 65: Sectional specification for RF coaxial connectors, 1,35 mm inner diameter of outer conductor, with screw-coupling, characteristic impedance 50 O (IEC 61169-65:2021)

Connecteurs pour fréquences radioélectriques - Partie 65: Spécification intermédiaire relative aux connecteurs coaxiaux pour fréquences radioélectriques, avec un diamètre intérieur du conducteur extérieur de 1,35 mm, à couplage à vis, impédance caractéristique de 50 O (IEC 61169-65:2021)

Hochfrequenz-Steckverbinder - Teil 65: Rahmenspezifikation für koaxiale HF-Steckverbinder mit 1,35 mm Innendurchmesser des Außenleiters, mit Schraubkupplung, Wellenwiderstand 50 Ohm, für den Einsatz bis 90 GHz (IEC 61169-65:2021)

This European Standard was approved by CENELEC on 2021-02-23. 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.

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

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# European foreword

The text of document 46F/527(F)/FDIS, future edition 1 of IEC 61169-65, 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 61169-65:2021.

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) 2021–11–23
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024–02–23

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# 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 61169-1 | 2013 | Radio frequency connectors - Part 1: Generic specification - General requirements and measuring methods | EN 61169-1 | 2013 |
| IEC 61726 | - | Cable assemblies, cables, connectors and passive microwave components - Screening attenuation measurement by the reverberation chamber method | EN 61726 | - |
| IEC 62037 | - | RF connectors, connector cable-assemblies and cables - Intermodulation level measurement | | - |
| IEC 62153-4-7 | - | Metallic communication cable test methods - Part 4–7: Electromagnetic compatibility (EMC) - Test method for measuring of transfer impedance $Z_T$ and screening attenuation $a_s$ or coupling attenuation $a_c$ of connectors and assemblies up to and above 3 GHz - Triaxial tube in tube method | EN 62153-4-7 | - |

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

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# RADIO-FREQUENCY CONNECTORS –

# Part 65: Sectional specification for RF coaxial connectors, 1,35 mm inner diameter of outer conductor, with screw-coupling, characteristic impedance 50 Ω

## FOREWORD

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International Standard IEC 61169-65 has been prepared by subcommittee 46F: RF and microwave passive components, of IEC technical committee 46: Cables, wires, waveguides, RF connectors, RF and microwave passive components and accessories.

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

| FDIS | Report on voting |
|---|---|
| 46F/527/FDIS | 46F/542/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.

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This document has been drafted in accordance with the ISO/IEC Directives, Part 2.

A list of all parts of the IEC 61169 series, 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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