BS EN IEC 61169-15:2021

BSI Standards Publication

Radio-frequency connectors

Part 15: Sectional specification — RF coaxial connectors with inner diameter of outer conductor 4,13 mm (0,163 in) with threaded coupling — Characteristic impedance 50 Ω (type SMA)

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National foreword

This British Standard is the UK implementation of EN IEC 61169-15:2021. It is identical to IEC 61169-15:2021.

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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Amendments/corrigenda issued since publication

Date	Text affected

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EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN IEC 61169-15

February 2021

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English Version

Radio-frequency connectors - Part 15: Sectional specification - RF coaxial connectors with inner diameter of outer conductor 4,13 mm (0,163 in) with threaded coupling - Characteristic impedance 50 O (type SMA) (IEC 61169-15:2021)

Connecteurs pour fréquences radioélectriques - Partie 15: Spécification intermédiaire - Connecteurs coaxiaux pour fréquences radioélectriques avec diamètre intérieur du conducteur extérieur de 4,13 mm (0,163 in) à couplage fileté - Impédance caractéristique 50 O (type SMA) (IEC 61169-15:2021)

Hochfrequenz-Steckverbinder - Teil 15: Koaxiale HF-Steckverbinder mit 4,13 mm (0,163 in) Innendurchmesser des Außenleiters und Schraubverriegelung - Wellenwiderstand 50 Ohm (Typ SMA) (IEC 61169-15:2021)

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Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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European foreword

The text of document 46F/528(F)/FDIS, future edition 1 of IEC 61169-15, 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 61169-15:2021.

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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In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 61169-35 NOTE Harmonized as EN 61169-35

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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 62153-4-7	2015	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	2016

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RADIO-FREQUENCY CONNECTORS –

Part 15: Sectional specification – RF coaxial connectors with inner diameter of outer conductor 4,13 mm (0,163 in) with threaded coupling – Characteristic impedance 50 Ω (type SMA)

FOREWORD

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International Standard IEC 61169-15 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.

This first edition cancels and replaces IEC 60169-15 published in 1979 and the amendment 1 published in 1996. This edition constitutes a technical revision.

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

FDIS	Report on voting
46F/528/FDIS	46F/541/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, 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.

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