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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)

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| Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas | This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation. |
| Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 26.02.2021. | Date of Availability of the European standard is 26.02.2021. |
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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
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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- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2024–02–23

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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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IEC 61169-15

Edition 1.0 2021-01

# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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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)

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IEC 61169-15:2021-01(en-fr)

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# IEC 61169-15

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# INTERNATIONAL STANDARD

# NORME INTERNATIONALE

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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)

## 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 Ω (type SMA)

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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)

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| 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.

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