

Multi-channel radio frequency connectors - Part 1:  
Generic specification - General requirements and test  
methods

## EESTI STANDARDI EESSÕNA

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See Eesti standard EVS-EN IEC 63138-1:2019 sisaldab Euroopa standardi EN IEC 63138-1:2019 ingliskeelset teksti.	This Estonian standard EVS-EN IEC 63138-1:2019 consists of the English text of the European standard EN IEC 63138-1:2019.
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English Version

**Multi-channel radio frequency connectors - Part 1: Generic  
specification - General requirements and test methods  
(IEC 63138-1:2019)**

Connecteurs radiofréquences multicanaux - Partie 1:  
Spécification générique - Exigences générales et méthodes  
d'essai  
(IEC 63138-1:2019)

To be completed  
(IEC 63138-1:2019)

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## European foreword

The text of document 46F/467/FDIS, future edition 1 of IEC 63138-1, 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 63138-1:2019.

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) 2020-07-17
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2022-10-17

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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](http://www.cenelec.eu).

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60068-1	-	Environmental testing - Part 1: General and guidance	EN 60068-1	-
IEC 60068-2-6	-	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)	EN 60068-2-6	-
IEC 60068-2-11	-	Basic environmental testing procedures - Part 2-11: Tests - Test Ka: Salt mist	EN 60068-2-11	-
IEC 60068-2-20	-	Environmental testing - Part 2-20: Tests - Test T: Test methods for solderability and resistance to soldering heat of devices with leads	EN 60068-2-20	-
IEC 60068-2-27	-	Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock	EN 60068-2-27	-
IEC 61169-1	2013	Radio frequency connectors - Part 1: Generic specification - General requirements and measuring methods	EN 61169-1	2013
IEC 61169-1-2	-	Radio-frequency connectors - Part 1-2: Electrical test methods - Insertion loss	-	-
IEC 61169-1-4	— <sup>1</sup>	Radio-frequency connectors - Part 1-4: Electrical test methods- voltage standing wave ratio, return loss and reflection coefficient	EN 61169-1-4	— <sup>2</sup>
IEC 61726	-	Cable assemblies, cables, connectors and passive microwave components - Screening attenuation measurement by the reverberation chamber method	EN 61726	-

<sup>1</sup> Under preparation. Stage at time of preparation: IEC CDV 61169-1-4:2019.

<sup>2</sup> Under preparation. Stage at time of preparation: prEN IEC 61169-1-4:2019.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 62037-3	-	Passive RF and microwave devices, intermodulation level measurement - Part 3: Measurement of passive intermodulation in coaxial connectors	EN 62037-3	-

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# INTERNATIONAL ELECTROTECHNICAL COMMISSION

## MULTI-CHANNEL RADIO-FREQUENCY CONNECTORS –

### Part 1: Generic specification – General requirements and test methods

#### FOREWORD

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International Standard IEC 63138-1 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/467/FDIS	46F/481/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.