

INTERNATIONAL STANDARD

NORME INTERNATIONALE

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

**Connecteurs radiofréquences multicanaux –
Partie 1: Spécification générique – Exigences générales et méthodes d'essai**



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INTERNATIONAL ELECTROTECHNICAL COMMISSION

MULTI-CHANNEL RADIO-FREQUENCY CONNECTORS –**Part 1: Generic specification –
General requirements and test methods**

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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.

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- withdrawn,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
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MULTI-CHANNEL RADIO-FREQUENCY CONNECTORS –

Part 1: Generic specification – General requirements and test methods

1 Scope

This part of IEC 63138-1, which is a generic specification, specifies general requirements for multi-channel radio-frequency connectors, including terms and definitions, design and construction, ratings and characteristics, climatic categories, IEC type designation, requirements and test procedures, quality assessment, marking, etc.

It provides the basis for establishing the sectional specifications for various multi-channel radio-frequency connector types.

This document applies to multi-channel radio-frequency connectors (called "connectors", hereinafter) for use in communications, electronics and other equipment.

2 Normative references

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.

IEC 60068-1, *Environmental testing – Part 1: General and guidance*

IEC 60068-2-6, *Environmental testing – Part 2-6: Tests – Test Fc: Vibration (sinusoidal)*

IEC 60068-2-11, *Basic environmental testing procedures – Part 2-11: Tests – Test Ka: Salt mist*

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*

IEC 60068-2-27, *Environmental testing – Part 2-27: Tests – Test Ea and guidance: Shock*

IEC 61169-1:2013, *Radio frequency connectors – Part 1: Generic specification – General requirements and measuring methods*

IEC 61169-1-2, *Radio-frequency connectors – Part 1-2: Electrical test methods – Insertion loss*

IEC 61169-1-4:—¹, *Radio-frequency connectors – Part 1-4: Electrical test methods – Voltage standing wave ratio, return loss and reflection coefficient*

IEC 61726, *Cable assemblies, cables, connectors and passive microwave components – Screening attenuation measurement by the reverberation chamber method*

IEC 62037-3, *Passive RF and microwave devices, intermodulation level measurement – Part 3: Measurement of passive intermodulation in coaxial connectors*

¹ Under preparation. Stage at the time of publication: IEC CDV 61169-1-4:2019.