

# INTERNATIONAL STANDARD

**Radio-frequency connectors –  
Part 24: Sectional specification – Radio frequency coaxial connectors with screw  
coupling, typically for use in 75  $\Omega$  cable networks (type F)**



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## CONTENTS

FOREWORD.....	4
1 Scope.....	6
2 Normative references .....	6
3 Interface dimensions .....	6
3.1 Dimensions .....	6
3.1.1 Connector “F” type female socket (indoor) physical dimensions.....	7
3.1.2 Connector “F” type male plug (indoor) physical dimensions .....	8
3.2 Mechanical gauges.....	9
3.2.1 Mating socket centre conductor acceptance diameter test .....	9
3.2.2 Mating port centre conductor acceptance electrical test.....	10
3.2.3 Reference plane electrical contact.....	10
4 Quality assessment procedures .....	10
4.1 General.....	10
4.2 Ratings and characteristics .....	10
4.3 Environmental characteristics for outdoor sockets (see Annex A) .....	12
4.4 Test schedule and inspection requirements .....	12
4.4.1 Acceptance tests.....	12
4.4.2 Periodic tests .....	13
4.5 Procedures.....	14
4.5.1 Quality conformance inspection .....	14
4.5.2 Qualification approval and its maintenance.....	14
5 Instructions for preparation of detail specifications .....	14
5.1 General.....	14
5.2 Identification of the detail specification .....	15
5.3 Identification of the component.....	15
5.4 Performance.....	15
5.5 Marking, ordering information and related matters.....	15
5.6 Selection of tests, test conditions and severities.....	15
5.7 Blank detail specification pro-forma for type F connector.....	16
Annex A (informative) Recommended outdoor “F” type socket / Plug physical dimensions .....	21
Figure 1 – Connector “F” type female socket (indoor) (for dimensions, see Table 1) .....	7
Figure 2 – Connector “F” type male plug (indoor) (for dimensions, see Table 2).....	8
Figure 3 – Gauge for the centre socket conductor.....	9
Figure A.1 – Outdoor female “F” socket (for dimensions, see Table A.1).....	21
Figure A.2 – Outdoor “F” type male plug (for dimensions, see Table A.2).....	22

Table 1 – Connector “F” type female socket (indoor).....	7
Table 2 – Connector “F” type male plug (indoor) .....	8
Table 3 – Test sequence for the centre socket conductor.....	9
Table 4 – Ratings and characteristics .....	10
Table 5 – Acceptance tests.....	12
Table 6 – Periodic tests .....	13
Table A.1 – Outdoor female “F” socket dimensions .....	21
Table A.2 – Outdoor “F” type male plug dimensions.....	22

# INTERNATIONAL ELECTROTECHNICAL COMMISSION

## RADIO-FREQUENCY CONNECTORS –

### **Part 24: Sectional specification – Radio frequency coaxial connectors with screw coupling, typically for use in 75 $\Omega$ cable networks (type F)**

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International Standard IEC 61169-24 has been prepared by subcommittee 46F: RF and microwave passive components, of IEC technical committee 46: Cables, wires, waveguides, R.F. connectors, R.F. and microwave passive components and accessories.

This second edition cancels and replaces the first edition published in 2001. It constitutes a technical revision.

This second edition differs from the first edition in that all drawings have been reworked and improved to allow frequency extension up to 3 GHz.

The text of this standard is based on the following documents:

FDIS	Report on voting
46F/108/FDIS	46F/128/RVD

Full information on the voting for the approval of this standard can be found in the report on voting indicated in the above table.

This publication 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 publication will remain unchanged until the maintenance result date indicated on the IEC web site under "<http://webstore.iec.ch>" in the data related to the specific publication. At this date, the publication will be

- reconfirmed,
- withdrawn,
- replaced by a revised edition, or
- amended.

A bilingual version of this publication may be issued at a later date.

## **RADIO-FREQUENCY CONNECTORS –**

### **Part 24: Sectional specification – Radio frequency coaxial connectors with screw coupling, typically for use in 75 $\Omega$ cable networks (type F)**

#### **1 Scope**

This part of IEC 61169, which is a sectional specification (SS), provides information and rules for the preparation of detail specifications (DS) for RF coaxial connectors with screw coupling, typically for use in 75  $\Omega$  cable networks (type F).

It describes the interface dimensions with gauging information and the mandatory tests selected from IEC 61169-1, applicable to all DS relating to type F connectors.

This specification indicates the recommended performance characteristics to be considered when writing a DS and covers test schedules and inspection requirements.

#### **2 Normative references**

The following referenced documents are indispensable for the application 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 61169-1:1992, *Radio-frequency connectors – Part 1: Generic specification – General requirements and measuring methods*  
Amendment 1 (1996)  
Amendment 2 (1997)

EN 60068-2-52, *Environmental testing – Test methods. Tests. Test Kb. Salt mist cyclic (sodium chloride solution)*

#### **3 Interface dimensions**

##### **3.1 Dimensions**

Millimetres are original dimensions.

All undimensioned pictorial configurations are for reference purposes only.