Radio-frequency connectors - Part 47: Sectional specification - Radio-frequency coaxial connectors with clamp coupling, typically for use in 75 Ω cable networks And Pochiem School area of the (type F-Quick) (IEC 61169-47:2012)



EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

See Eesti standard EVS-EN 61169-47:2012	This Estonian standard EVS-EN 61169-47:2012
sisaldab Euroopa standardi EN 61169-47:2012	consists of the English text of the European standard
ingliskeelset teksti.	EN 61169-47:2012.
, , , , , , , , , , , , , , , , , , , ,	This standard has been endorsed with a notification
avaldamisega EVS Teatajas.	published in the official bulletin of the Estonian Centre
	for Standardisation.
Euroopa standardimisorganisatsioonid on teinud	Date of Availability of the European standard is
	16.11.2012.
kättesaadavaks 16.11.2012.	10.11.2012.
national of the territorial of t	
Standard on kättesaadav Eesti Standardikeskusest.	The standard is available from the Estonian Centre for
	Standardisation.

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EUROPEAN STANDARD

EN 61169-47

NORME EUROPÉENNE EUROPÄISCHE NORM

November 2012

ICS 33.120.30

English version

Radio-frequency connectors -

Part 47: Sectional specification for radio-frequency coaxial connectors with clamp coupling, typically for use in 75 Ω cable networks (type F-Quick)

(IEC 61169-47:2012)

Connecteurs pour fréquences radioélectriques - Partie 47: Spécification intermédiaire relatives aux connecteurs coaxiaux pour fréquences radioélectriques avec couplage par bride, spécifiquement utilisés dans les réseaux câblés 75 Ω (type F-Quick) (CEI 61169-47:2012)

Hochfrequenzsteckverbinder - Teil 47: Rahmenspezifikation - Koaxiale Hochfrequenzsteckverbinder mit Klemmkupplung, vorzugsweise für den Einsatz in 75-Ω-Kabelnetzen (Typ F-Quick) (IEC 61169-47:2012)

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Foreword

The text of document 46F/204/CDV, future edition 1 of IEC 61169-47, prepared by SC 46F, "R.F. and microwave passive components", of IEC TC 46, "Cables, wires, waveguides, R.F. connectors, R.F. and microwave passive components and accessories" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN 61169-47:2012.

The following dates are fixed:

•	latest date by which the document has	(dop)	2013-05-28
	to be implemented at national level by		
	publication of an identical national		
	standard or by endorsement		
•	latest date by which the national	(dow)	2015-08-28
	standards conflicting with the		
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Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

Publication IEC 61169-1 + A1 + A2 IEC 61169-24	<u>Year</u> 1992 1996 1997 2009	Title Radio-frequency connectors - Part 1: Generic specification - General requirements and measuring methods Radio-frequency connectors - Part 24: Sectional specification - Radio frequency coaxial connectors with screw coupling, typically for use in 75 ohm cable networks (type F)	EN/HD EN 61169-1 + A1 + A2 EN 61169-24	<u>Year</u> 1994 1996 1997 2009

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RADIO-FREQUENCY CONNECTORS -

Part 47: Sectional specification for radio-frequency coaxial connectors with clamp coupling, typically for use in 75 Ω cable networks (type F-Quick)

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 clamp coupling, typically for use in 75 Ω cable networks (type F-Quick).

It describes the interface dimensions with gauging information, electrical and mechanical performance including the mandatory tests selected from IEC 61169-1:1992, applicable to all DS relating to type F-Quick connectors.

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

NOTE This interface is typically used for indoor connections, which are easily disconnected and reconnected. The typical application is for F-type coaxial receiver leads or F-type coaxial patch cables. The interface may also be known as a Push – On connector.

It is preferred to use the fixed (screwed) connectors type F according to IEC 61169-24:2009.

2 Normative references

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. 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 methods¹

Amendment 1:1996 Amendment 2:1997

IEC 61169-24:2009, Radio-frequency connectors – Part 24: Sectional specification – Radio frequency coaxial connectors with screw coupling, typically for use in 75 Ω cable networks (type F)

3 Interface dimensions

3.1 Dimensions

3.1.1 Common dimensions

Millimetres are original dimensions.

All un-dimensioned pictorial configurations are for reference purposes only.

There exists a consolidated edition 1.2 (1998) that comprises IEC 61169-1:1992, its Amendment 1:1996 and its Amendment 2:1997.