Irish Standard
I.S. EN 61169-42:2013

Radio-frequency connectors -- Part 42: Sectional specification for CQN series quick lock RF coaxial connectors (IEC 61169-42:2013 (EQV))

I.S. EN 61169-42:2013

Incorporating amendments/corrigenda issued since publication:

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This document replaces:	*This document is based on:* EN 61169-42:2013	*Published:* 5 April, 2013

This document was published
under the authority of the NSAI and comes into effect on:

24 April, 2013

ICS number:
33.120.30

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Údarás um Chaighdeáin Náisiúnta na hÉireann

I.S. EN 61169-42:2013

EUROPEAN STANDARD

NORME EUROPÉENNE

EUROPÄISCHE NORM

EN 61169-42

April 2013

ICS 33.120.30

English version

Radio-frequency connectors - Part 42: Sectional specification for CQN series quick lock RF coaxial connectors

(IEC 61169-42:2013)

Connecteurs pour fréquences radioélectriques - Partie 42: Spécification intermédiaire pour connecteurs coaxiaux R.F. à verrouillage rapide, série CQN (CEI 61169-42:2013)

Hochfrequenz-Steckverbinder - Teil 42: Rahmenspezifikation für koaxiale HF-Steckverbinder der CQN Serie mit Schnellverriegelung (IEC 61169-42:2013)

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CENELEC

European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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Ref. No. EN 61169-42:2013 E

Foreword

The text of document 46F/142/CDV, future edition 1 of IEC 61169-42, 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 61169-42:2013.

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)	2013-11-20
• latest date by which the national standards conflicting with the document have to be withdrawn	(dow)	2016-02-20

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 61169-42:2013 was approved by CENELEC as a European Standard without any modification.

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	Year	Title	EN/HD	Year
IEC 61169-1	1992	Radio-frequency connectors -	EN 61169-1	1994
+ A1	1996	Part 1: Generic specification - General	+ A1	1996
+ A2	1997	requirements and measuring methods	+ A2	1997

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INTERNATIONAL ELECTROTECHNICAL COMMISSION

RADIO-FREQUENCY CONNECTORS –

Part 42: Sectional specification for CQN series quick lock RF coaxial connectors

FOREWORD

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International Standard IEC 61169-42 has been prepared by subcommittee 46F: R.F. and microwave passive components, of IEC technical committee 46: Cables, wires, waveguides, R.F. connectors, R.F. and microwave passive components and accessories.

This first edition cancels and replaces the first edition of IEC/PAS 61169-42 published in 2009.

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

CDV	Report on voting
46F/142/CDV	46F/165/RVC

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 stability 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.

IMPORTANT – The 'colour inside' logo on the cover page of this publication indicates that it contains colours which are considered to be useful for the correct understanding of its contents. Users should therefore print this document using a colour printer.

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

INTRODUCTION

The International Electrotechnical Commission (IEC) draws attention to the fact that it is claimed that compliance with this document may involve the use of a patent concerning the design of these connectors given in Subclause 3.1.

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RADIO-FREQUENCY CONNECTORS –

Part 42: Sectional specification for CQN series quick lock RF coaxial connectors

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 CQN series RF coaxial connectors, with characteristic impedance of 50 Ω, with threaded coupling and operating frequency limit up to 11 GHz, used in wireless, microwave, telecommunication, and other fields, connecting with RF cables or micro-strips.

It also prescribes mating face dimensions for general connectors-grade 2, dimensional details of standard test connectors-grade 0, gauging information and tests selected from IEC 61169-1, applicable to all detail specifications relating to CQN series connectors.

This specification indicates the recommended performance characteristics to be considered when writing a detail specification and it covers test schedules and inspection requirements for assessment levels M and H (see Tables 8 and 9).

This specification indicates the recommended performance characteristics to be considered when writing a detail specification and it covers test schedules and inspection requirements for assessment levels M and H.

2 Normative reference

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 methods*[1]
Amendment 1:1996
Amendment 2:1997

3 Mating face and gauge information

3.1 Dimensions – General connectors – Grade 2

3.1.1 Connector with pin-centre contact

Metric dimension are original dimensions. All undimensioned pictorial configurations are for reference purpose only.

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