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Standards

Irish Standard
I.S. EN 61169-59:2017

Radio-frequency connectors -Part 59: Sectional specification for type L32-4 and L32-5 threaded multi-pin radio-frequency connectors

I.S. EN 61169-59:2017

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National Foreword

I.S. EN 61169-59:2017 is the adopted Irish version of the European Document EN 61169-59:2017, Radio-frequency connectors -Part 59: Sectional specification for type L32-4 and L32-5 threaded multi-pin radio-frequency connectors

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EUROPEAN STANDARD

EN 61169-59

NORME EUROPÉENNE

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September 2017

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English Version

**Radio-frequency connectors -Part 59: Sectional specification for
type L32-4 and L32-5 threaded multi-pin radio-frequency
connectors
(IEC 61169-59:2017)**

Connecteurs pour fréquences radioélectriques Partie 59:
Spécification intermédiaire relative aux connecteurs pour
fréquences radioélectriques multicoaxiaux filetés L32-4 and
L32-5
(IEC 61169-59:2017)

Hochfrequenzsteckverbinder - Teil 59: Rahmenspezifikation
für mehrpolige Hochfrequenzsteckverbinder mit Gewinde
Typ L32-4 und L32-5
(IEC 61169-59:2017)

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

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

EN 61159-59:2017

European foreword

The text of document 46F/351/CDV, future edition 1 of IEC 61159-59, 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 61159-59:2017.

The following dates are fixed:

- latest date by which the document has to be implemented at (dop) 2018-03-26
national level by publication of an identical national
standard or by endorsement
- latest date by which the national standards conflicting with (dow) 2020-06-26
the document have to be withdrawn

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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 1 When 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 61169-1	2013	Radio-frequency connectors -- Part 1: Generic specification - General requirements and measuring methods	EN 61169-1	2013
IEC 61726	-	Cable assemblies, cables, connectors and passive microwave components - Screening attenuation measurement by the reverberation chamber method	EN 61726	-
IEC 62037	series	Passive RF and microwave devices, intermodulation level measurement	EN 62037	series

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IEC 61169-59

Edition 1.0 2017-05

INTERNATIONAL STANDARD



**Radio-frequency connectors –
Part 59: Sectional specification for type L32-4 and L32-5 threaded multi-pin
radio-frequency connectors**



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IEC 61169-59

Edition 1.0 2017-05

INTERNATIONAL STANDARD



**Radio-frequency connectors –
Part 59: Sectional specification for type L32-4 and L32-5 threaded multi-pin
radio-frequency connectors**

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CONTENTS

FOREWORD.....	4
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Mating face and gauge information	7
4.1 Dimensions – General connectors – Grade 2	7
4.1.1 Connector with pin contact.....	7
4.1.2 Connector with socket contact	9
4.1.3 Mating face of RF channel	12
4.2 Gauges	13
4.2.1 Gauge for socket centre contact	13
4.2.2 Gauge for type L32-5 connector with 5 pin contacts	14
4.2.3 Gauge for L32-4 connector with 4 pin contacts	15
4.2.4 Gauge for L32-5 connector with 5 socket contacts	16
4.2.5 Gauge for L32-4 connector with 4 socket contacts	17
5 Quality assessment procedure	19
5.1 General.....	19
5.2 Rating and characteristics.....	19
5.3 Test schedule and inspection requirements.....	21
5.3.1 Acceptance tests	21
5.3.2 Periodic tests.....	22
5.4 Procedures for the qualification approval	24
5.4.1 Quality conformance inspection	24
5.4.2 Qualification approval and its maintenance	24
5.4.3 Periodic tests.....	24
5.4.4 Procedures for quality conformance.....	24
6 Instructions for preparation of detail specifications	25
6.1 General.....	25
6.2 Identification of the component	25
6.3 Performance	25
6.4 Marking, ordering information and related matters	25
6.5 Selection of tests, test conditions and severities	25
6.6 Blank detail specification pro-forma for Type L32-4 and L32-5 threaded multi-pin radio frequency connectors.....	26
7 Marking	31
7.1 Marking of component.....	31
7.2 Marking and contents of package.....	31
Annex A (normative) Isolation test method	32
A.1 Preparation of test sample	32
A.2 Test procedure.....	32
Figure 1 – L32-5 connector with 5 pin contacts	7
Figure 2 – L32-4 connector with 4 pin contacts	8
Figure 3 – L32-5 connector with 5 socket contacts	9
Figure 4 – L32-4 connector with 4 socket contacts	11
Figure 5 – Mating face of RF channel	12

Figure 6 – Gauge for socket contact of RF channel	13
Figure 7 – Gauge for L32-5 connector with 5 pin contacts	14
Figure 8 – Gauge for L32-4 connector with 4 pin contacts	15
Figure 9 – Gauge for L32-5 connector with 5 socket contacts	16
Figure 10 – Gauge for L32-4 connector with 4 socket contacts	18
Table 1 – Dimensions of L32-5 connector with 5 pin contacts	8
Table 2 – Dimensions of L32-4 connector with 4 pin contacts	9
Table 3 – Dimensions of L32-5 connector with 5 socket contacts	10
Table 4 – Dimensions of L32-4 connector with 4 socket contacts	11
Table 5 – Dimensions of the mating face of RF channel	13
Table 6 – Dimensions of gauge for socket contact	14
Table 7 – Dimensions of gauge L32-5 connector with 5 pin contacts	15
Table 8 – Dimensions of gauge L32-4 connector with 4 pin contacts	16
Table 9 – Dimensions of gauge for L32-5 connector with 5 socket contacts	17
Table 10 – Dimensions of gauge for L32-4 connector with 4 socket contacts	18
Table 11 – Rating and characteristics	20
Table 12 – Acceptance tests	22
Table 13 – Periodic tests	23

INTERNATIONAL ELECTROTECHNICAL COMMISSION

RADIO-FREQUENCY CONNECTORS –

**Part 59: Sectional specification for type L32-4 and L32-5
threaded multi-pin radio-frequency connectors**

FOREWORD

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International Standard IEC 61169-59 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:

CDV	Report on voting
46F/351/CDV	46F/362/RVC

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.

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 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

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- replaced by a revised edition, or
- amended.

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RADIO-FREQUENCY CONNECTORS –

Part 59: Sectional specification for type L32-4 and L32-5 threaded multi-pin radio-frequency 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 type L32-4 and L32-5 threaded multi-pin radio frequency connectors with anti mismatching mechanism, 50 Ω nominal impedance. The operating frequency of each channel is up to 4 GHz. These connectors have been widely used in mobile communication system like TD-SCDMA and TD-LTE, and can also be used in some similar equipment.

It also prescribes mating face dimensions for general connectors-grade 2, gauging information and tests selected from IEC 61169-1, applicable to all detail specifications relating to type L32-4 and L32-5 multi-pin connectors.

This sectional specification provides information and rules for the preparation of detail specifications for type L32-4 and L32-5 multi-pin connectors together with the pro forma blank detail specification.

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.

NOTE Metric dimension are original dimensions.

All undimensioned pictorial configurations are for reference purpose only.

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

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

IEC 62037 (all parts), *Passive RF and microwave devices, intermodulation level measurement*

3 Terms and definitions

No terms and definitions are listed in this document.

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