

Multi-channel radio-frequency connectors - Part 4:
Sectional specification for type L32-4 and L32-5
circular connectors

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>See Eesti standard EVS-EN IEC 63138-4:2026 sisaldab Euroopa standardi EN IEC 63138-4:2026 ingliskeelset teksti.</p> <p>Standard on jõustunud sellekohase teate avaldamisega EVS Teatajas.</p> <p>Euroopa standardimisorganisatsioonid on teinud Euroopa standardi rahvuslikele liikmetele kättesaadavaks 06.03.2026.</p> <p>Standard on kättesaadav Eesti Standardimis- ja Akrediteerimiskeskusest.</p>	<p>This Estonian standard EVS-EN IEC 63138-4:2026 consists of the English text of the European standard EN IEC 63138-4:2026.</p> <p>This standard has been endorsed with a notification published in the official bulletin of the Estonian Centre for Standardisation and Accreditation.</p> <p>Date of Availability of the European standard is 06.03.2026.</p> <p>The standard is available from the Estonian Centre for Standardisation and Accreditation.</p>
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English Version

**Multi-channel radio-frequency connectors - Part 4: Sectional
specification for type L32-4 and L32-5 circular connectors
(IEC 63138-4:2026)**

Connecteurs radiofréquences multicanaux - Partie 4:
Spécification intermédiaire pour les connecteurs circulaires
de type L32-4 et L32-5
(IEC 63138-4:2026)

Mehrkanalige Hochfrequenz-Steckverbinder - Teil 4:
Rahmenspezifikation für Rundsteckverbinder der Typen
L32-4 und L32-5
(IEC 63138-4:2026)

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

CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels

European foreword

The text of document 46F/730/FDIS, future edition 1 of IEC 63138-4, 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 IEC 63138-4:2026.

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- latest date by which the national standards conflicting with the (dow) 2029-03-31 document have to be withdrawn

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IEC 61169-1:2013 NOTE Approved as EN 61169-1:2013 (not modified)

INTERNATIONAL STANDARD

**Multi-channel radio-frequency connectors -
Part 4: Sectional specification for type L32-4 and L32-5 circular connectors**



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CONTENTS

FOREWORD	3
1 Scope	5
2 Normative references	5
3 Terms and definitions	5
4 Mating face and gauge information	5
4.1 Mating face dimensions	5
4.1.1 Connector with pin contact.....	5
4.1.2 Connector with socket contact	8
4.1.3 Mating face of RF channel	10
4.2 Gauges	11
4.2.1 Gauge for socket centre contact	11
4.2.2 Gauge for L32-5 connector with 5 pin contacts	12
4.2.3 Gauge for L32-4 connector with 4 pin contacts	13
4.2.4 Gauge for L32-5 connector with 5 socket contacts	14
4.2.5 Gauge for L32-4 connector with 4 socket contacts	15
5 Quality assessment procedure.....	16
5.1 General.....	16
5.2 Rating and characteristics.....	16
5.3 Quality assessment.....	18
5.3.1 General	18
5.3.2 Inspection procedure	18
5.3.3 Lot-by-lot inspection	19
5.3.4 Periodic inspections.....	20
6 Instructions for preparation of detail specifications	21
6.1 General.....	21
6.2 Identification of the component	21
6.3 Performance	21
6.4 Marking, ordering information and related matters	22
6.5 Selection of tests, test conditions and severities	22
6.6 Blank Detail Specification pro forma for L32 series circular connector.....	23
7 Marking	26
7.1 Marking of component.....	26
7.2 Marking and contents of package.....	27
Bibliography.....	28
Figure 1 – L32-5 connector with 5 pin contacts	6
Figure 2– L32-4 connector with 4 pin contacts	7
Figure 3 – L32-5 connector with 5 socket contacts	8
Figure 4 – L32-4 Connector with 4 socket contacts	9
Figure 5 – Mating face of RF channel	10
Figure 6 – Gauge for socket contact of RF channel.....	11
Figure 7 – Gauge for L32-5 connector with 5 pin contacts.....	12
Figure 8 – Gauge for L32-4 connector with 4 pin contacts.....	13
Figure 9 – Gauge for L32-5 connector with 5 socket contacts	14

Figure 10 – Gauge for L32-4 connector with 4 socket contacts	15
Table 1 – Dimensions of L32-5 connector with 5 pin contacts	6
Table 2 – Dimensions of L32-4 connector with 4 pin contacts	7
Table 3 – Dimensions of L32-5 connector with 5 socket contacts	8
Table 4 – Dimensions of L32-4 connector with 4 socket contacts	9
Table 5 – Dimensions of the mating face of RF channel	10
Table 6 – Dimensions of gauge for socket contact	11
Table 7 – Dimensions of gauge for L32-5 connector with 5 pin contacts	12
Table 8 – Dimensions of gauge for L32-4 connector with 4 pin contacts	13
Table 9 – Dimensions of gauge for L32-5 connector with 5 socket contacts	14
Table 10 – Dimensions of gauge for L32-4 connector with 4 socket contacts	15
Table 11 – Rating and characteristics	16
Table 12 – Qualification inspection	18
Table 13 – Lot-by-lot inspection	19
Table 14 – Sampling plans for mechanical compatibility and return loss inspection	20
Table 15 – Periodic inspection	20

INTERNATIONAL ELECTROTECHNICAL COMMISSION

**Multi-channel radio-frequency connectors -
Part 4: Sectional specification for type L32-4 and L32-5 circular
connectors**

FOREWORD

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IEC 63138-4 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. It is an International Standard.

This edition cancels and replaces IEC 61169-59:2017. This edition constitutes a technical revision.

This edition includes the following significant technical changes with respect to IEC 61169-59:2017:

- a) use of IEC 63138-1:2019 as its generic specification instead of using IEC 61169-1:2013;
- b) all the subclauses and test methods are in line with IEC 63138-1:2019;
- c) dimension "g" in Table 3, Table 4, Table 7 and Table 8 has been changed from "0,00 min. to 0,8 max." to "1,6 min. to 2,1 max."

The text of this International Standard is based on the following documents:

Draft	Report on voting
46F/XX/FDIS	46F/XX/RVD

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

The language used for the development of this International Standard is English.

This document was drafted in accordance with ISO/IEC Directives, Part 2, and developed in accordance with ISO/IEC Directives, Part 1 and ISO/IEC Directives, IEC Supplement, available at www.iec.ch/members_experts/refdocs. The main document types developed by IEC are described in greater detail at www.iec.ch/publications.

A list of all parts in the IEC 63138 series, published under the general title *Multi-channel 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 webstore.iec.ch in the data related to the specific document. At this date, the document will be

- reconfirmed,
- withdrawn, or
- revised.

1 Scope

This part of IEC 63138, which is a Sectional Specification (SS), provides information and rules for the preparation of Detail Specifications (DS) for type L32-4 and L32-5 circular connectors with four RF channels and five RF channels, as well as a detailed specification of the blank format.

The L32-4 and L32-5 circular connectors with 50 Ω nominal impedance has four RF channels and five RF channels which can be engaged and disengaged at the same time. They are characterized by threaded coupling mechanisms, anti-misinsertion mechanism, and 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.

This document also specifies mating face dimensions for general connectors (grade 2), gauging information and tests selected from IEC 63138-1, applicable to all Detail Specifications relating to type L32-4 and L32-5 circular connectors.

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 63138-1:2019, *Multi-channel radio frequency connectors - Part 1: Generic specification - General requirements and test methods*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in IEC 63138-1 apply.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

- IEC Electropedia: available at <https://www.electropedia.org/>
- ISO Online browsing platform: available at <https://www.iso.org/obp>

4 Mating face and gauge information

4.1 Mating face dimensions

4.1.1 Connector with pin contact

4.1.1.1 L32-5 connector with 5 pin contacts

The mating face of L32-5 connector with 5 pin contacts is shown in Figure 1 and its dimensions are shown in Table 1.