



PRE-RELEASE VERSION (FDIS)

**Radio frequency connectors –
Part 67: Sectional specification for series TRL threaded triaxial connectors**

INTERNATIONAL
ELECTROTECHNICAL
COMMISSION

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Radio frequency connectors - Part 67: Sectional specification for series TRL threaded triaxial connectors

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NOTE FROM TC/SC OFFICERS:

CONTENTS

FOREWORD	4
1 Scope	6
2 Normative references	6
3 Terms and definitions	6
4 Mating face and gauge information	7
4.1 Mating face dimensions	7
4.1.1 Plug connector	7
4.1.2 Receptacle connector	8
4.1.3 Coaxial pin contact	8
4.1.4 Coaxial socket contact	9
4.2 Gauges for resilient contact	10
4.2.1 Gauge for socket centre contact	10
4.2.2 Gauge for socket intermediate contact	10
5 Quality assessment procedure	11
5.1 General	11
5.2 Ratings and characteristics	11
5.3 Test schedule and inspection requirements	14
5.3.1 Acceptance tests	14
5.3.2 Periodic tests	15
5.3.3 Procedures	16
6 Instructions for preparation of detail specifications (DS)	16
6.1 General	16
6.2 Identification of the component	17
6.3 Performance	17
6.4 Marking, ordering information and related matters	17
6.5 Selection of tests, test conditions and severities	17
6.6 Blank detail specification pro-forma for TRL connectors	18
Figure 1 – Plug connector	7
Figure 2 – Receptacle connector	8
Figure 3 – Coaxial pin contact	9
Figure 4 – Coaxial socket contact	9
Figure 5 – Gauge for socket centre contact	10
Figure 6 – Gauge for socket intermediate contact	11
Table 1 – Dimensions of plug connector	7
Table 2 – Dimensions of receptacle connector	8
Table 3 – Dimensions of coaxial pin contact	9
Table 4 – Dimensions of coaxial socket contact	9
Table 5 – Dimensions of gauge for socket centre contact	10
Table 6 – Dimensions of gauge for socket intermediate contact	11
Table 7 – Ratings and characteristics	12
Table 8 – Acceptance tests	14

Table 9 – Periodic tests 15

INTERNATIONAL ELECTROTECHNICAL COMMISSION

RADIO-FREQUENCY CONNECTORS –

**Part 67: Sectional specification for
series TRL threaded triaxial connectors**

FOREWORD

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IEC 61169-67 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.

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/standardsdev/publications.

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 webstore.iec.ch in the data related to the specific document. At this date, the document will be

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

RADIO-FREQUENCY CONNECTORS –

Part 67: Sectional specification for series TRL threaded triaxial 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 series TRL threaded triaxial connectors. Series TRL threaded triaxial connectors with high reliability, small size, good salt characteristics can be connected with symmetrically twisted pair cables or triaxial cables. It has been used in 1553B data bus systems or other communication systems for digital signal transmission.

It specifies mating face dimensions for series TRL threaded triaxial connectors, gauging information and tests selected from IEC 61169-1, applicable to all detail specifications relating to series TRL threaded triaxial connectors.

This specification indicates 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 dimensions 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 61169-1-5, *Radio frequency connectors – Part 1-5: Electrical test methods – Rise time degradation*