
FUX]cZY_j Yb bj'_cbY_lcf'j'É' +'"XY.'DcXfc bUgdYWZ_UW'UnUF: '_cbY_lcf'Y'hdU
GHK L, 'f97 '*%%-!' +.&\$\$+L

Radio-frequency connectors -- Part 37: Sectional specification for STWX8 R.F.
connectors (IEC 61169-37:2007)

Hochfrequenz-Steckverbinder - Teil 37: Rahmenspezifikationen - STWX8-
Hochfrequenzsteckverbinder (IEC 61169-37:2007)

Connecteurs pour fréquences radioélectriques -- Partie 37: Spécification intermédiaire
relative aux connecteurs pour fréquences radioélectriques de type STWX8 (IEC 61169-
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Ta slovenski standard je istoveten z: EN 61169-37:2007

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**Radio-frequency connectors -
Part 37: Sectional specification
for STWX8 R.F connectors
(IEC 61169-37:2007)**

Connecteurs pour fréquences
radioélectriques -
Partie 37: Spécification intermédiaire
relative aux connecteurs
pour fréquences radioélectriques
de type STWX8
(CEI 61169-37:2007)

Hochfrequenz-Steckverbinder -
Teil 37: Rahmenspezifikationen -
STWX8-Hochfrequenzsteckverbinder
(IEC 61169-37:2007)

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CENELEC

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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 46F/44/CDV, future edition 1 of IEC 61169-37, 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 Unique Acceptance Procedure and was approved by CENELEC as EN 61169-37 on 2007-03-01.

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2007-12-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2010-03-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61169-37:2007 was approved by CENELEC as a European Standard without any modification.

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Annex ZA
(normative)

**Normative references to international publications
with their corresponding European publications**

The following referenced documents are indispensable for the application 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.

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

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60096	Series	Radio-frequency cables	-	-
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 STANDARD

IEC 61169-37

QC 222400

First edition
2007-02

Radio-frequency connectors –

Part 37:

Sectional specification – STWX8 R.F. connectors

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CONTENTS

FOREWORD.....	3
1 Scope.....	5
2 Normative references	5
3 Mating face and gauge information	5
3.1 Dimensions - General connectors – Grade 2 (Figure 1)	5
3.2 Gauges for general purpose connectors - Grade 2	7
3.3 Dimensions – standard test connectors – Grade 0.....	10
4 Quality assessment procedure.....	13
4.1 General.....	13
4.2 Rating and characteristics (see Clause 6 of IEC 61169-1 (QC 220000))	13
4.3 Test schedule and inspection requirements - Acceptance tests	16
4.4 Procedures.....	19
5 Instructions for preparation of detail specifications	19
5.1 General.....	19
5.2 Identification of the detail specification	19
5.3 Identification of the component.....	19
5.4 Performance.....	20
5.5 Marking, ordering information and related matters	20
5.6 Selection of tests, tests conditions and severities.....	20
5.7 Blank detail specification pro-forma for type STWX 8 connectors	20
Figure 1 – Mating face of STWX8 connectors (for dimensions and notes, see Table 1)	6
Figure 2 – Gauge pins for contact of socket connectors (for dimensions, see Table 2).....	8
Figure 3 – Gauge for outer of socket connectors (for dimensions, see Table 3)	9
Figure 4 – Female contact (for dimensions and notes, see Table 4).....	10
Figure 5 – Male contact (for dimensions and notes, see Table 5).....	12
Table 1 – Mating face dimensions	7
Table 2 – Gauges Dimensions	8
Table 3 – Gauge dimensions	10
Table 4 – Female contact dimensions	11
Table 5 – Male contact dimensions	12
Table 6 – Rating and characteristics	14
Table 7 – Acceptance tests.....	16
Table 8 – Periodic tests	17

INTERNATIONAL ELECTROTECHNICAL COMMISSION

RADIO-FREQUENCY CONNECTORS –**Part 37: Sectional specification –
STWX8 R.F. connectors**

FOREWORD

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International Standard IEC 61169-37 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.

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

CDV	Report on voting
46F/44/CDV	46F/49/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 QC numbers that appear on the front cover of this publication are the specification numbers in the IEC Quality Assessment System for Electronic Components (IECQ).

The committee has decided that the contents of this publication will remain unchanged until the maintenance result 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.

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

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RADIO-FREQUENCY CONNECTORS –

Part 37: Sectional specification – STWX8 R.F. 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 STWX8 R.F. coaxial connectors with push-pull self-lock coupling.

The connectors are normally used with flexible and semi-rigid R.F. cables for middle power applications in conjunction with 50 Ω cables in an operating frequency range up to 4 GHz.

It describes the interface dimensions for general purpose grade 2 connectors, dimensional details for standard test connectors, grade 0, together with gauging information and the mandatory tests selected from QC 220000 (IEC 61169-1), applicable to all DS relating to type STWX8 connectors.

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

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2 Normative references

SIST EN 61169-37:2007

The following referenced documents are indispensable for the application 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 60096 (all parts), *Radio-frequency cables*

IEC 61169-1:1992, *Radio-frequency connectors – Part 1: Generic specification – General requirements and measuring methods*

Amendment 1 (1996)

Amendment 2 (1997)

3 Mating face and gauge information

3.1 Dimensions - General connectors – Grade 2 (Figure 1)

All dimensions are in mm. All un-dimensioned pictorial configurations are for reference purpose only.

