



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 60169-21:1999**

ICS 33.120.30

**RADIO-FREQUENCY CONNECTORS. PART  
21: TWO TYPES OF RADIO-FREQUENCY  
CONNECTORS WITH INNER DIAMETER OF  
OUTER CONDUCTOR 9,5 MM (0,374 IN) WITH  
DIFFERENT VERSIONS OF SCREW COUPLING  
CHARACTERISTIC IMPEDANCE 50 OHMS  
(TYPES SC-A AND SC-B) (IEC 60169-21:1985 +  
A1:1996)**

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 60169-21**

September 1997

ICS 33.120.30

English version

**Radio-frequency connectors**  
**Part 21: Two types of radio-frequency connectors with**  
**inner diameter of outer conductor 9,5 mm (0,374 in)**  
**with different versions of screw coupling**  
**Characteristic impedance 50 ohms (types SC-A and SC-B)**  
**(IEC 60169-21:1985 + A1:1996)**

Connecteurs pour fréquences  
radioélectriques  
Partie 21: Deux types de connecteurs  
pour fréquences radioélectriques avec  
diamètre intérieur du conducteur  
extérieur de 9,5 mm (0,374 in) avec  
différentes versions du système de  
verrouillage à vis  
Impédance caractéristique 50 ohms  
(types SC-A et SC-B)  
(CEI 60169-21:1985 + A1:1996)

Hochfrequenz-Steckverbinder  
Teil 21: Zwei Typen von  
Hochfrequenz-Steckverbindern mit  
einem inneren Durchmesser des  
Außenleiters von 9,5 mm mit  
verschiedenen Ausführungsarten der  
Schraubfesthaltung  
Wellenwiderstand 50 Ohm  
(Typen SC-A und SC-B)  
(IEC 60169-21:1985 + A1:1996)

This European Standard was approved by CENELEC on 1997-07-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this European Standard the status of a national standard without any alteration.

Up-to-date lists and bibliographical references concerning such national standards may be obtained on application to the Central Secretariat or to any CENELEC member.

This European Standard exists in three official versions (English, French, German). A version in any other language made by translation under the responsibility of a CENELEC member into its own language and notified to the Central Secretariat has the same status as the official versions.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland and United Kingdom.

**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 the International Standard IEC 60169-21:1985 and its amendment A1:1996, prepared by SC 46D, RF connectors, of IEC TC 46, Cables, wires, waveguides, R.F. connectors, and accessories for communication and signalling, was submitted to the formal vote and was approved by CENELEC as EN 60169-21 on 1997-07-01 without any modification.

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) 1998-06-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 1998-06-01

Anhänge, die als "normativ" bezeichnet sind, gehören zum Norminhalt.

In dieser Norm ist Anhang ZA normativ.

Der Anhang ZA wurde von CENELEC hinzugefügt.

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### **Endorsement notice**

The text of the International Standard IEC 60169-21:1985 and its amendment A1:1996 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**

This European Standard incorporates by dated or undated reference, provisions from other publications. These normative references are cited at the appropriate places in the text and the publications are listed hereafter. For dated references, subsequent amendments to or revisions of any of these publications apply to this European Standard only when incorporated in it by amendment or revision. For undated references the latest edition of the publication referred to applies (including amendments).

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 60068-2-1	1974 <sup>1)</sup>	Basic environmental testing procedures Part 2: Tests - Tests A: Cold	-	-
IEC 60068-2-2	1974	Test B: Dry heat	EN 60068-2-2 <sup>2)</sup>	1993
IEC 60068-2-3	1969	Test Ca: Damp heat, steady state	HD 323.2.3 S2 <sup>3)</sup>	1987
IEC 60068-2-11	1981	Test Ka: Salt mist	HD 323.2.11 S1	1988
IEC 60068-2-13	1983	Test M: Low air pressure	HD 323.2.13 S1	1987
IEC 60068-2-14	1984	Test N: Change of temperature	HD 323.2.14 S2 <sup>4)</sup>	1987
IEC 60068-2-20	1979	Test T: Soldering	HD 323.2.20 S3 <sup>5)</sup>	1988
IEC 60096-2	1961	Radio-frequency cables Part 2: Relevant cable specifications	-	-
IEC 60169-1	1965	Radio-frequency connectors Part 1: General requirements and measuring methods	HD 134.1 S1	1977
IEC 60169-7	1975	Part 7: R.F. coaxial connectors with inner diameter of outer conductor 9,5 mm (0,374 in) with bayonet lock Characteristic impedance 50 ohm (Type C)	HD 134.7 S2 <sup>6)</sup>	1995

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1) IEC 60068-2-1:1990 is harmonized as EN 60068-2-1:1993.

2) EN 60068-2-2 includes supplement A:1976 to IEC 60068-2-2.

3) HD 323.2.3 S2 includes A1:1984 to IEC 60068-2-3.

4) HD 323.2.14 S2 includes A1:1986 to IEC 60068-2-14.

5) HD 323.2.20 S3 includes A2:1987 to IEC 60068-2-20.

6) HD 134.7 S2 includes A1:1993 to IEC 60169-7.



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