



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61788-3:2006

ICS 17.220
29.050

**SUPERCONDUCTIVITY -- PART 3:
CRITICAL CURRENT MEASUREMENT - DC
CRITICAL CURRENT OF AG- AND/OR AG
ALLOY-SHEATHED BI-2212 AND BI-2223
OXIDE SUPERCONDUCTORS (IEC
61788-3:2006 (EQV))**

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Údarás um Chaighdeán Náisiúnta na hÉireann

English version

Superconductivity
Part 3: Critical current measurement -
DC critical current of Ag- and/or Ag alloy-sheathed
Bi-2212 and Bi-2223 oxide superconductors
(IEC 61788-3:2006)

Supraconductivité

Partie 3: Mesure du courant critique -
Courant critique continu des oxydes
supraconducteurs Bi-2212 et Bi-2223
avec gaine Ag et/ou en alliage d'Ag
(CEI 61788-3:2006)

Supraleitfähigkeit

Teil 3: Messen des kritischen Stromes -
Kritischer Strom (Gleichstrom) von
Ag- und/oder Ag-Legierung ummantelten
oxidischen Bi-2212 und
Bi-2223-Supraleitern
(IEC 61788-3:2006)

This European Standard was approved by CENELEC on 2006-06-01. 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, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

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Foreword

The text of document 90/184/FDIS, future edition 2 of IEC 61788-3, prepared by IEC TC 90, Superconductivity, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61788-3 on 2006-06-01.

This European Standard supersedes EN 61788-3:2001.

Modifications made to EN 61788-3:2001 mostly involve wording and essentially include no technical changes.

Examples of technical changes introduced include the voltage lead diameter being smaller than 0,21 mm and the mode of expression for magnetic field accuracy being $\pm 1\%$ and $\pm 0,02\text{ T}$ instead of 1% . The expression for magnetic field precision has been changed in the same way.

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) 2007-03-01
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2009-06-01

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61788-3:2006 was approved by CENELEC as a European Standard without any modification.

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 60050-815	2000	International Electrotechnical Vocabulary (IEV) Part 815: Superconductivity	-	-

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