SLOVENSKI STANDARD

SIST EN 60404-4:2002/A1:2004

julij 2004

Magnetic materials - Part 4: Methods of measurement of d.c. magnetic properties of magnetically soft materials - Amendment A1 (IEC 60404-4:1995/A1:2000)

ICS 29.030

Referenčna številka
SIST EN 60404-4:2002/A1:2004(en)

EUROPEAN STANDARD **EN 60404-4/A1**

NORME EUROPÉENNE

EUROPÄISCHE NORM April 2002

ICS 17.220.20; 29.030

English version

Magnetic materials
Part 4: Methods of measurement of d.c. magnetic properties of magnetically soft materials
(IEC 60404-4:1995/A1:2000)

Matériaux magnétiques
Partie 4: Méthodes de mesure en courant continu des propriétés magnétiques des matériaux magnétiquement doux
(CEI 60404-4:1995/A1:2000)

Magnetische Werkstoffe
Teil 4: Verfahren zur Messung der magnetischen Eigenschaften von weichmagnetischen Werkstoffen im Gleichfeld
(IEC 60404-4:1995/A1:2000)

This amendment A1 modifies the European Standard EN 60404-4:1997; it was approved by CENELEC on 2001-12-01. CENELEC members are bound to comply with the CEN/CENELEC Internal Regulations which stipulate the conditions for giving this amendment 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 amendment 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, Czech Republic, Denmark, Finland, France, Germany, Greece, Iceland, Ireland, Italy, Luxembourg, Malta, 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

Ref. No. EN 60404-4:1997/A1:2002 E

Foreword

The text of amendment 1:2000 to the International Standard IEC 60404-4:1995, prepared by IEC TC 68, Magnetic alloys and steels, was submitted to the Unique Acceptance Procedure and was approved by CENELEC as amendment A1 to EN 60404-4:1997 on 2001-12-01 without any modification.

The following dates were fixed:

– latest date by which the amendment has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2002-12-01

– latest date by which the national standards conflicting with the amendment have to be withdrawn (dow) 2004-12-01

_____

Endorsement notice

The text of amendment 1:2000 to the International Standard IEC 60404-4:1995 was approved by CENELEC as an amendment to the European Standard without any modification.

_____

NORME INTERNATIONALE

INTERNATIONAL STANDARD

CEI
IEC
60404-4

1995

AMENDEMENT 1
AMENDMENT 1
2000-07

Amendement 1

Matériaux magnétiques –

Partie 4:
Méthodes de mesure en courant continu des propriétés magnétiques des matériaux magnétiquement doux

Amendment 1

Magnetic materials –

Part 4:
Methods of measurement of d.c. magnetic properties of magnetically soft materials

International Electrotechnical Commission 3, rue de Varembé Geneva, Switzerland
Telefax: +41 22 919 0300 e-mail: inmail@iec.ch IEC web site http://www.iec.ch

Commission Electrotechnique Internationale
International Electrotechnical Commission
Международная Электротехническая Комиссия

CODE PRIX
PRICE CODE B

Pour prix, voir catalogue en vigueur
For price, see current catalogue

FOREWORD

This amendment has been prepared by IEC technical committee 68: Magnetic alloys and steels.

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

FDIS	Report on voting
68/215/FDIS	68/217/RVD

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

The committee has decided that the contents of the base publication and its amendments will remain unchanged until 2009. At this date, the publication will be

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

Cover page, title page and pages 5 and 7

Title

Replace, in the title, the words "iron and steel" *by* "magnetically soft materials".

Page 7

1 Scope and object

Replace, in the first sentence, the words “iron and steel” *by* “magnetically soft materials” *and add, to the first paragraph, the following second sentence:*

The ring method is suitable for use with laminated or solid ring specimens as well as ring specimens produced by sintering.

Page 9

3.4 Test specimen

Add, at the end of the third paragraph, the following sentence and equation:

This relationship shall apply for measurements on laminated or solid ring test specimens. For sintered magnetically soft materials, where the finished dimensions are usually small, the following relationship can be used:

$$D \leq 1{,}4\ d \qquad (1a)$$

In this case there will be a greater radial variation in the magnetic field strength.
