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**I.S. EN 60519-3:2005**

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# SAFETY IN ELECTROHEAT INSTALLATIONS - PART 3: PARTICULAR REQUIREMENTS FOR INDUCTION AND CONDUCTION HEATING AND INDUCTION MELTING INSTALLATIONS (IEC 60519-3:2005)

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EUROPEAN STANDARD **EN 60519-3**

NORME EUROPÉENNE

EUROPÄISCHE NORM June 2005

ICS 25.180.10 Supersedes EN 60519-3:1995

English version

# Safety in electroheat installations
# Part 3: Particular requirements for induction and conduction heating and induction melting installations
(IEC 60519-3:2005)

Sécurité dans les installations électrothermiques
Partie 3: Règles particulières pour les installations de chauffage par induction et par conduction et pour les installations de fusion par induction
(CEI 60519-3:2005)

Sicherheit in Elektrowärmeanlagen
Teil 3: Besondere Anforderungen an induktive und konduktive Erwärmungsanlagen und an Induktionsschmelzanlagen
(IEC 60519-3:2005)

This European Standard was approved by CENELEC on 2005-04-12. 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.

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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 27/446/FDIS, future edition 3 of IEC 60519-3, prepared by IEC TC 27, Industrial electroheating equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60519-3 on 2005-04-12.

This European Standard supersedes EN 60519-3:1995.

Significant technical changes with respect to EN 60519-3:1995 are as follows:

– the latest edition of EN 60519-1 (2003), in particular the extension of the scope to cover also voltage band 3 equipment with rated voltages not exceeding 3 600 V AC or 5 000 V DC, has been taken into account;

– definitions have been brought into line with the second edition of IEC 60050-841.

This part of EN 60519 is to be used in conjunction EN 60519-1:2003. It is intended to modify, replace or make additions to EN 60519-1 for particular requirements for induction and conduction heating and induction melting installations.

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) | 2006-01-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2008-04-01 |

Annex ZA has been added by CENELEC.

## Endorsement notice

The text of the International Standard IEC 60519-3:2005 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 Where an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

| Publication | Year | Title | EN/HD | Year |
|---|---|---|---|---|
| IEC 60050-841 | 2004 | International electrotechnical vocabulary<br>Part 841: Industrial electroheat | - | - |
| IEC 60110-1 | 1998 | Power capacitors for induction heating installations<br>Part 1: General | EN 60110-1 | 1998 |
| IEC 60143-1 | 2004 | Series capacitors for power systems<br>Part 1: General | EN 60143-1 | 2004 |
| IEC 60364-4-41 | 2001 | Electrical installations of buildings<br>Part 4-41: Protection for safety - Protection against elctric shock£ | - | - |
| IEC 60519-1 | 2003 | Safety in electroheat installations<br>Part 1: General requirements | EN 60519-1 | 2003 |

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