



National Standards Authority of Ireland  
Údarás um Chaighdeáin Náisiúnta na hÉireann

IRISH STANDARD

**I.S. EN 60519-11:2007**

ICS 25.180.10

**SAFETY IN ELECTROHEAT  
INSTALLATIONS -- PART 11: PARTICULAR  
REQUIREMENTS FOR INSTALLATIONS  
USING THE EFFECT OF  
ELECTROMAGNETIC FORCES ON LIQUID  
METALS (IEC 60519-11:2007 (EQV))**

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English version

**Safety in electroheat installations -  
Part 11: Particular requirements for installations  
using the effect of electromagnetic forces on liquid metals  
(IEC 60519-11:2007)**

Sécurité dans les installations  
électrothermiques -  
Partie 11: Exigences particulières  
pour les installations utilisant l'effet  
des forces électromagnétiques  
sur les métaux liquides  
(CEI 60519-11:2007)

Sicherheit in Elektrowärmeanlagen -  
Teil 11: Besondere Anforderungen  
an Anlagen, die die Wirkung  
elektromagnetischer Kräfte  
auf flüssige Metalle nutzen  
(IEC 60519-11:2007)

This European Standard was approved by CENELEC on 2007-09-01. 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, Bulgaria, 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

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

## **I.S. EN 60519-11:2007**

EN 60519-11:2007

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### **Foreword**

The text of document 27/577/FDIS, future edition 2 of IEC 60519-11, prepared by IEC TC 27, Industrial electroheating equipment, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60519-11 on 2007-09-01.

This European Standard supersedes EN 60519-11:1997.

The significant changes with respect to EN 60519-11:1997 are as follows:

- EN 60519-1:2003 and EN 60519-3:2005 have been taken into account;
- definitions have been brought into line with IEC 60050-841:2004.

This standard is to be used in conjunction with EN 60519-1:2003. It is intended to specify particular requirements for installations using the effect of electromagnetic forces on liquid metals.

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) 2008-06-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2010-09-01

Annex ZA has been added by CENELEC.

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### **Endorsement notice**

The text of the International Standard IEC 60519-11:2007 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 60050-841	2004	International Electrotechnical Vocabulary - Part 841: Industrial electroheat	-	-
IEC 60110-1	1998	Power capacitors for induction heating installations - Part 1: General	EN 60110-1	1998
IEC 60143-1	2004	Series capacitors for power systems - Part 1: General	EN 60143-1	2004
IEC 60364-4-41 (mod)	2005	Low-voltage electrical installations - Part 4-41: Protection for safety - Protection against electric shock	HD 60364-4-41 + corr. July	2007 2007
IEC 60519-1	2003	Safety in electroheat installations - Part 1: General requirements	EN 60519-1	2003
CISPR 11 (mod)	- <sup>1)</sup>	Industrial, scientific and medical (ISM) radio-frequency equipment - Electromagnetic disturbance characteristics - Limits and methods of measurement	EN 55011	2007 <sup>2)</sup>

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<sup>1)</sup> Undated reference.

<sup>2)</sup> Valid edition at date of issue.



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