



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 60099-1:1994

ICS 29.240.10

**SURGE ARRESTERS. PART 1: NON-LINEAR  
RESISTOR TYPE GAPPED SURGE  
ARRESTERS FOR A.C. SYSTEMS  
(IEC 99-1:1991)**

National Standards  
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National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 60099-1/A1:2000**

ICS 29.120.50

29.240.10

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EUROPEAN STANDARD

EN 60099-1/A1

NORME EUROPÉENNE

EUROPÄISCHE NORM

December 1999

ICS 29.120.50; 29.240.10  
UDC 621.316.933.1:620.1

English version

## Surge arresters

### Part 1: Non-linear resistor type gapped surge arresters for a.c. systems (IEC 60099-1:1991/A1:1999)

Parafoudres  
Partie 1: Parafoudres à résistance  
variable avec éclateurs pour réseaux  
à courant alternatif  
(CEI 60099-1:1991/A1:1999)

Überspannungsableiter  
Teil 1: Überspannungsableiter mit  
nichtlinearen Widerständen für  
Wechselspannungsnetze  
(IEC 60099-1:1991/A1:1999)

This amendment A1 modifies the European Standard EN 60099-1:1994; it was approved by CENELEC on 1999-12-01. 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, 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 document 37/223/FDIS, future amendment 1 to IEC 60099-1, prepared by IEC TC 37, Surge arresters, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as amendment A1 to EN 60099-1:1994 on 2002-12-01.

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) 2000-09-01
- latest date by which the national standards conflicting  
with the amendment have to be withdrawn (dow) 2002-12-01

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### Endorsement notice

The text of amendment 1:1999 to the International Standard IEC 60099-1:1991 was approved by CENELEC as an amendment to the European Standard without any modification.

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