



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 62086-1:2005

ICS 29.260.20

**ELECTRICAL APPARATUS FOR  
EXPLOSIVE GAS ATMOSPHERES -  
ELECTRICAL RESISTANCE TRACE  
HEATING -- PART 1: GENERAL AND  
TESTING REQUIREMENTS**

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EUROPEAN STANDARD

**EN 62086-1**

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2005

ICS 29.260.20

English version

**Electrical apparatus for explosive gas atmospheres –  
Electrical resistance trace heating  
Part 1: General and testing requirements  
(IEC 62086-1:2001 + corrigendum 2003)**

Matériel électrique pour atmosphères  
explosives gazeuses –  
Traçage par résistance électrique  
Partie 1: Règles générales et d'essais  
(CEI 62086-1:2001 + corrigendum 2003)

Elektrische Betriebsmittel für  
gasexplosionsgefährdete Bereiche –  
Elektrische Widerstands-Begleitheizungen  
Teil 1: Allgemeine Anforderungen und  
Prüfanforderungen  
(IEC 62086-1:2001 + Corrigendum 2003)

This European Standard was approved by CENELEC on 2005-02-01. 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, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Slovakia, Slovenia, 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 the International Standard IEC 62086-1:2001 and its corrigendum February 2003, prepared by IEC TC 31, Electrical apparatus for explosive atmospheres, was submitted to the CENELEC Unique Acceptance Procedure and was approved by CENELEC as EN 62086-1 on 2005-02-01 without any modification.

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) 2006-05-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2008-02-01

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 62086-1:2001 and its corrigendum February 2003 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.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60050-151	1978 <sup>1)</sup>	International Electrotechnical Vocabulary (IEV) Part 151: Electrical and magnetic devices	-	-
IEC 60050-426	- <sup>2)</sup>	Chapter 426: Electrical apparatus for explosive atmospheres	-	-
IEC 60079-0	1998 <sup>3)</sup>	Electrical apparatus for explosive gas atmospheres Part 0: General requirements	-	-
IEC 60364-3 (mod)	- <sup>2)</sup>	Electrical installations of buildings Part 3: Assessment of general characteristics	HD 384.3 S2	1995 <sup>4)</sup>

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<sup>1)</sup> IEC 60050-151:1978 is superseded by IEC 60050-151:2001.

<sup>2)</sup> Undated reference.

<sup>3)</sup> IEC 60079-0:1998 is superseded by IEC 60079-0:2004, which is harmonized as EN 60079-0:2005 (mod).

<sup>4)</sup> Valid edition at date of issue.



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