



National Standards Authority of Ireland

IRISH STANDARD

I.S. EN 61241-11:2007

ICS 29.260.20

**ELECTRICAL APPARATUS FOR USE IN
THE PRESENCE OF COMBUSTIBLE DUST
-- PART 11: PROTECTION BY INTRINSIC
SAFETY "ID" (IEC 61241-11:2005 (EQV) +
CORRIGENDUM FEB. 2006 (EQV))**

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EUROPEAN STANDARD
NORME EUROPÉENNE
EUROPÄISCHE NORM

EN 61241-11

December 2006

ICS 29.260.20

English version

Electrical apparatus for use in the presence of combustible dust
Part 11: Protection by intrinsic safety "iD"
(IEC 61241-11:2005 + corrigendum February 2006)

Matériels électriques pour utilisation en
présence de poussières combustibles
Partie 11: Protection par sécurité
intrinsèque "iD"
(CEI 61241-11:2005
+ corrigendum février 2006)

Elektrische Betriebsmittel zur Verwendung
in Bereichen mit brennbarem Staub
Teil 11: Schutz durch Eigensicherheit "iD"
(IEC 61241-11:2005
+ Corrigendum Februar 2006)

This European Standard was approved by CENELEC on 2005-11-01. 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, 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

Foreword

The text of document 31H/194/FDIS, future edition 1 of IEC 61241-11, prepared by SC 31H, Apparatus for use in the presence of combustible dust, of IEC TC 31, Electrical apparatus for explosive atmospheres, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 61241-11 on 2005-11-01.

This European Standard is to be read in conjunction with EN 61241-0.

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) 2007-07-01
- latest date by which the national standards conflicting
with the EN have to be withdrawn (dow) 2008-11-01

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and covers essential requirements of EC Directive 94/9/EC. See Annex ZZ.

Annexes ZA and ZZ have been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 61241-11:2005 and its corrigendum February 2006 was approved by CENELEC as a European Standard without any modification.

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 60079-0 (mod)	- ¹⁾	Electrical apparatus for explosive gas atmospheres Part 0: General requirements	EN 60079-0	2006 ²⁾
IEC 60079-11	- ¹⁾	Explosive atmospheres Part 11: Equipment protection by intrinsic safety "i"	EN 60079-11	200X ³⁾
IEC 60079-25	- ¹⁾	Electrical apparatus for explosive gas atmospheres Part 25: Intrinsically safe systems	EN 60079-25 + corr. April	2004 ²⁾ 2006
IEC 60529	- ¹⁾	Degrees of protection provided by enclosures (IP Code)	EN 60529 + corr. May	1991 ²⁾ 1993
IEC 61241-0 (mod)	- ¹⁾	Electrical apparatus for use in the presence of combustible dust Part 0: General requirements	EN 61241-0	2006 ²⁾
IEC 61241-1	- ¹⁾	Electrical apparatus for use in the presence of combustible dust Part 1: Protection by enclosures "tD"	EN 61241-1 + corr. December	2004 ²⁾ 2006

¹⁾ Undated reference.

²⁾ Valid edition at date of issue.

³⁾ To be published.

Annex ZZ (informative)

Coverage of Essential Requirements of EC Directives

This European Standard has been prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and within its scope the standard covers only the following essential requirements out of those given in Annex II of the EC Directive 94/9/EC:

- ER 1.0.1, ER 1.0.2, ER 1.0.4, ER 1.0.5 (partly), ER 1.0.6 (partly)
- ER 1.1 (partly)
- ER 1.2.1 (partly), ER 1.2.2 (partly), ER 1.2.4 to ER 1.2.6
- ER 1.3.1
- ER 1.6.4
- ER 2.1.2, ER 2.1.2.1 to ER 2.1.2.2
- ER 2.2.2.1, ER 2.2.2.2

Compliance with this standard provides one means of conformity with the specified essential requirements of the Directive concerned.

WARNING: Other requirements and other EC Directives may be applicable to the products falling within the scope of this standard.

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