



National Standards Authority of Ireland

IRISH STANDARD

**I.S. EN 61241-4:2007**

ICS 29.260.20

**ELECTRICAL APPARATUS FOR USE IN  
THE PRESENCE OF COMBUSTIBLE DUST  
-- PART 4: TYPE OF PROTECTION  
"PD" (IEC 61241-4:2001 (EQV))**

National Standards  
Authority of Ireland  
Glasnevin, Dublin 9  
Ireland

Tel: +353 1 807 3800  
Fax: +353 1 807 3838  
<http://www.nsai.ie>

**Sales**  
<http://www.standards.ie>

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EUROPEAN STANDARD  
NORME EUROPÉENNE  
EUROPÄISCHE NORM

**EN 61241-4**

December 2006

ICS 29.260.20

English version

**Electrical apparatus for use in the presence of combustible dust**  
**Part 4: Type of protection "pD"**  
(IEC 61241-4:2001)

Matériels électriques destinés  
à être utilisés en présence  
de poussières combustibles  
Partie 4: Type de protection "pD"  
(CEI 61241-4:2001)

Elektrische Betriebsmittel zur Verwendung  
in Bereichen mit brennbarem Staub  
Teil 4: Zündschutzart "pD"  
(IEC 61241-4:2001)

This European Standard was approved by CENELEC on 2006-04-01. 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 the International Standard IEC 61241-4:2001, 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 Unique Acceptance Procedure and was approved by CENELEC as EN 61241-4 on 2006-04-01.

This European Standard is to be read in conjunction with EN 61241-0 as applicable to "Equipment Group II, Categories 2D and 3D".

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) 2009-04-01

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.

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## Endorsement notice

The text of the International Standard IEC 61241-4:2001 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 60034-1 (mod)	1996	Rotating electrical machines Part 1: Rating and performance	EN 60034-1 <sup>1)</sup> + corr. February	1998 2000
IEC 61241	Series	Electrical apparatus for use in the presence of combustible dust	EN 61241	Series
IEC 61241-1-1	1999	Electrical apparatus for use in the presence of combustible dust Part 1-1: Electrical apparatus protected by enclosures and surface temperature limitation - Specification for apparatus	-	-
IEC 61241-1-2	1999	Electrical apparatus for use in the presence of combustible dust Part 1-2: Electrical apparatus protected by enclosures and surface temperature limitation - Selection, installation and maintenance	-	-
IEC 61241-3	1997	Electrical apparatus for use in the presence of combustible dust Part 3: Classification of areas where combustible dusts are or may be present	-	-

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<sup>1)</sup> EN 60034-1 is superseded by EN 60034-1:2004, which is based on IEC 60034-1:2004.

## **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 to ER 1.0.5
- ER 1.2.1 (partly), ER 1.2.2 (partly), ER 1.2.6 to ER 1.2.8
- ER 1.3.1
- ER 1.4.1 (partly)
- ER 1.5.1 to ER 1.5.3
- ER 1.6.2 (partly), ER 1.6.3, ER 1.6.4 1<sup>st</sup> paragraph
- ER 2.1.2.1 to ER 2.1.2.4
- ER 2.2.2.1 to ER 2.2.2.4
- ER 2.3.2.1 to ER 2.3.2.3

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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