



National Standards Authority of Ireland

STANDARD

**I.S. EN 61241-14:2004**

ICS 29.260.20

**ELECTRICAL APPARATUS FOR USE IN THE  
PRESENCE OF COMBUSTIBLE DUST PART  
14: SELECTION AND INSTALLATION (IEC  
61241-14:2004)**

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EUROPEAN STANDARD

**EN 61241-14**

NORME EUROPÉENNE

EUROPÄISCHE NORM

September 2004

ICS 29.260.20

Partly supersedes EN 50281-1-2:1998 + A1:2002

English version

**Electrical apparatus for use in the presence of combustible dust**  
**Part 14: Selection and installation**  
(IEC 61241-14:2004)

Matériels électriques pour utilisation  
en présence de poussières combustibles  
Partie 14: Sélection et installation  
(CEI 61241-14:2004)

Elektrische Betriebsmittel zur Verwendung  
in Bereichen mit brennbarem Staub  
Teil 14: Auswahl und Errichten  
(IEC 61241-14:2004)

This European Standard was approved by CENELEC on 2004-09-01. 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, 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 document 31H/174/FDIS, future edition 1 of IEC 61241-14, 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 61241-14 on 2004-09-01.

This European Standard partly supersedes EN 50281-1-2:1998 and A1:2002.

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) 2005-06-01
- latest date by which the national standards conflicting  
with the EN have to be withdrawn (dow) 2007-09-01

This European Standard was prepared under a mandate given to CENELEC by the European Commission and the European Free Trade Association and supports the essential requirements of Directive 94/9/EC.

Annex ZA has been added by CENELEC.

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## Endorsement notice

The text of the International Standard IEC 61241-14:2004 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following note has to be added for the standard indicated:

IEC 60079-0      NOTE      Harmonized as EN 60079-0:2004 (not modified).

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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 60364	Series	Electrical installations of buildings	HD 384	Series
IEC 60364-4-41	- 1)	Part 4-41: Protection for safety - Protection against electric shock	-	-
IEC 60529	1989	Degrees of protection provided by enclosures (IP Code)	EN 60529 + Corr. May	1991 1993
IEC 61024-1	- 1)	Protection of structures against lightning Part 1: General principles	-	-
IEC 61024-1-1	- 1)	Protection of structures against lightning - Part 1: General principles - Section 1: Guide A: Selection of protection levels for lightning protection systems	-	-
IEC 61241-0	- 1)	Electrical apparatus for use in the presence of combustible dust Part 0: General requirements	-	-
IEC 61241-1	- 1)	Electrical apparatus for use in the presence of combustible dust Part 1: Protection by enclosures "tD"	EN 61241-1	2004 2)
IEC 61241-10	- 1)	Part 10: Classification of areas where combustible dusts are or may be present	EN 61241-10	2004 2)
IEC 61241-18	- 1)	Part 18: Protection by encapsulation "mD"	-	-
IEC 61558-1 (mod)	1997	Safety of power transformers, power supply units and similar Part 1: General requirements and tests	EN 61558-1 + A11 + Corr. April	1997 2003 2003

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1) Undated reference.

2) Valid edition at date of issue.



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