

Special requirements for construction, test and marking of electrical apparatus of equipment group II, Category 1 G

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Summary of pages

This document comprises a front cover, an inside front cover, the EN title page, pages 2 to 9 and a back cover.

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English version

Special requirements for construction, test and marking of electrical apparatus of equipment group II, Category 1 G

Exigences spéciales pour la construction,
l'essai et le marquage des matériels
électriques des appareils du groupe II,
catégorie 1 G

Spezielle Anforderungen an Konstruktion,
Prüfung und Kennzeichnung elektrischer
Betriebsmittel der Gerätegruppe II,
Kategorie 1 G

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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

This European Standard has been prepared by the Technical Committee CENELEC TC 31, Electrical apparatus for explosive atmospheres.

This standard has been prepared for electrical apparatus of equipment group II, Category 1 G under the mandate of the European Commission and EFTA. This apparatus is described in Annex 1, clause 2 a), of the European Directive 94/9/EC, concerning equipment and protective systems which are intended for use in potentially explosive atmospheres.

The equipment of Category 1 G is intended for use in areas in which explosive atmospheres caused by mixtures of air and gases, vapours or mists are present continuously, for long periods or frequently. The Directive contains requirements for this equipment, which can be used in accordance with the operational parameters stated by the manufacturer and which ensures a very high level of safety with respect to explosion protection. This equipment must be designed and constructed in such a way, that sources of ignition do not occur even in the event of rare or two independent faults related to the equipment.

Observing the requirements of this standard the applicable Essential Safety Requirements of Annex 2, clause 2.1.1, of the Directive are covered.

The text of the draft was submitted to the Unique Acceptance Procedure and was approved by CENELEC as EN 50284 on 1998-10-01.

The following dates have been 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) 1999-11-01
- latest date by which national standards conflicting with the EN have to be withdrawn (dow) 2003-06-30

This European Standard is to be read in conjunction with EN 50014:1997 and the related European Standards for specific types of protection listed in the scope of this standard. It does not apply in conjunction with the first or second editions of those standards and their amendments published before 1997.

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