



BSI Standards Publication

Explosive atmospheres

Part 33: Equipment protection
by special protection 's'

National foreword

This Published Document is the UK implementation of PD CLC/TR 60079-33:2015. It is identical to IEC 60079-33:2012. It supersedes BS IEC 60079-33:2012 which is withdrawn.

The UK participation in its preparation was entrusted to Technical Committee EXL/31, Equipment for explosive atmospheres.

A list of organizations represented on this committee can be obtained on request to its secretary.

This publication does not purport to include all the necessary provisions of a contract. Users are responsible for its correct application.

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Amendments/corrigenda issued since publication

Date	Text affected
31 May 2015	This corrigendum renumbers BS IEC 60079-33:2012 as PD CLC/TR 60079-33:2015
31 January 2016	Correction to CEN foreword page

English Version

**Explosive atmospheres - Part 33: Equipment protection by
special protection 's'
(IEC 60079-33:2012)**

Atmosphères explosives - Partie 33: Protection du matériel
par protection spéciale "s"
(IEC 60079-33:2012)

Explosionsgefährdete Bereiche - Teil 33: Geräteschutz
durch Sonderschutz "s"
(IEC 60079-33:2012)

This Technical Report was approved by CENELEC on 2014-06-02.

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European Committee for Electrotechnical Standardization
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

CEN-CENELEC Management Centre: Avenue Marnix 17, B-1000 Brussels

Foreword

This document (CLC/TR 60079-33:2015) consists of the text of IEC 60079-33:2012 prepared by IEC/TC 31 "Equipment for explosive atmospheres".

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. CENELEC [and/or CEN] shall not be held responsible for identifying any or all such patent rights.

Endorsement notice

The text of the International Standard IEC 60079-33:2012 was approved by CENELEC as a European Standard without any modification.

In the official version, for Bibliography, the following notes have to be added for the standards indicated:

IEC 60079-26	NOTE	Harmonized as EN 60079-26.
IEC 60079-1	NOTE	Harmonized as EN 60079-1.
IEC 60079-11	NOTE	Harmonized as EN 60079-11.
IEC 60079-29-3	NOTE	Harmonized as EN 60079-29-3.
IEC 60079-15	NOTE	Harmonized as EN 60079-15.
IEC 60079-2	NOTE	Harmonized as EN 60079-2.
IEC 60079-18	NOTE	Harmonized as EN 60079-18.
IEC 60079-7	NOTE	Harmonized as EN 60079-7.
IEC 60228	NOTE	Harmonized as EN 60228.
IEC 60079-10-1	NOTE	Harmonized as EN 60079-10-1.
IEC 60079-10-2	NOTE	Harmonized as EN 60079-10-2.
IEC 60079-14	NOTE	Harmonized as EN 60079-14.
IEC 60079-1	NOTE	Harmonized as EN 60079-1.
IEC 60300 (Series)	NOTE	Harmonized as EN 60300 (Series).
ISO/IEC 80079 (Series)	NOTE	Harmonized as EN ISO/IEC 80079 (Series).

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

The following documents, in whole or in part, are normatively referenced in this document and are indispensable for its application. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

NOTE 1 When an International Publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

NOTE 2 Up-to-date information on the latest versions of the European Standards listed in this annex is available here: www.cenelec.eu.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60079-0	-	Explosive atmospheres -- Part 0: Equipment - General requirements	EN 60079-0	-
-	-		+A11	-
IEC 60079	series	Explosive atmospheres	EN 60079	series
IEC 60079-29-1	-	Explosive atmospheres -- Part 29-1: Gas detectors - Performance requirements of detectors for flammable gases	EN 60079-29-1	-
IEC 60079-29-2	2007	Explosive atmospheres -- Part 29-2: Gas detectors - Selection, installation, use and maintenance of detectors for flammable gases and oxygen	EN 60079-29-2	2007
-	-		+corrigendum Dec. 2007	-
IEC 61508-1	-	Functional safety of electrical/electronic/programmable electronic safety-related systems -- Part 1: General requirements	EN 61508-1	-
IEC 61508	series	Functional safety of electrical/electronic/programmable electronic safety-related systems	EN 61508	series
IEC 61511	series	Functional safety - Safety instrumented systems for the process industry sector	EN 61511	series
IEC 62061	-	Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems	EN 62061	-
-	-		+corrigendum Feb.	-
ISO 13849-1	2006	Safety of machinery - Safety-related parts of control systems -- Part 1: General principles for design	EN ISO 13849-1	2008
ISO 13849-2	-	Safety of machinery_ - Safety-related parts of control systems_ - Part_2: Validation	EN ISO 13849-2	-