



BSI Standards Publication

Explosive atmospheres

Part 1: Equipment protection by flameproof enclosures "d"

National foreword

This British Standard is the UK implementation of EN 60079-1:2014. It is identical to IEC 60079-1:2014, incorporating corrigenda September 2018 and June 2020. It supersedes BS EN 60079-1:2007, which is withdrawn.

BSI, as a member of CENELEC, is obliged to publish EN 60079-1 as a British Standard. However, attention is drawn to the fact that during the development of this European Standard, the UK voted against its approval as a European Standard. The reason for this disapproval was that the pass criteria for the test relating to cemented joints in Subclause 6.1.2 are considered to be not as robust when compared with the previously published edition.

Other National Standards Bodies have also recorded a negative vote on the document, citing the identical concern in the difference between the 2007 edition and the 2014 edition. Many manufacturers had no difficulty in complying with the previous requirement when choosing appropriate cements, and the UK committee did not see any justification for revising the requirement.

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 committee manager.

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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Compliance with a British Standard cannot confer immunity from legal obligations.

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Amendments/corrigenda issued since publication

Date	Text affected
30 September 2018	Implementation of IEC corrigendum June 2018: Clause C.2.3.3 amended
30 June 2020	Implementation of IEC interpretation sheet 1: June 2020

EUROPEAN STANDARD

EN 60079-1

NORME EUROPÉENNE

EUROPÄISCHE NORM

October 2014

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Supersedes EN 60079-1:2007

English Version

**Explosive atmospheres - Part 1: Equipment protection by
flameproof enclosures "d"
(IEC 60079-1:2014)**

Atmosphères explosives - Partie 1: Protection du matériel
par enveloppes antidéflagrantes "d"
(IEC 60079-1:2014)

Explosionsgefährdete Bereiche - Teil 1: Geräteschutz
durch druckfeste Kapselung "d"
(IEC 60079-1:2014)

This European Standard was approved by CENELEC on 2014-08-01. 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 CEN-CENELEC Management Centre 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 CEN-CENELEC Management Centre has the same status as the official versions.

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European Committee for Electrotechnical Standardization
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