



**BSI Standards Publication**

## **Explosive atmospheres**

---

Part 25: Intrinsically safe electrical systems

This is a preview of BS EN IEC 60079-25:2022+A1:2025. [Click here to purchase the full version from the ANSI store](#)

## National foreword

This British Standard is the UK implementation of EN IEC 60079-25:2022+A1:2025. It is identical to IEC 60079-25:2020, incorporating corrigenda October 2020, November 2022 and amendment 1:2025. It supersedes BS EN IEC 60079-25:2022, which will be withdrawn on 30 November 2028.

The start and finish of text introduced or altered by corrigendum is indicated in the text by tags. Text altered by IEC corrigendum October 2020 is indicated in the text by  $\overline{\text{AC1}}$   $\langle \text{AC1} \rangle$ , and text altered by corrigendum November 2022 is indicated by  $\overline{\text{AC2}}$   $\langle \text{AC2} \rangle$ .

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.

### Contractual and legal considerations

This publication has been prepared in good faith, however no representation, warranty, assurance or undertaking (express or implied) is or will be made, and no responsibility or liability is or will be accepted by BSI in relation to the adequacy, accuracy, completeness or reasonableness of this publication. All and any such responsibility and liability is expressly disclaimed to the full extent permitted by the law.

This publication is provided as is, and is to be used at the recipient's own risk.

The recipient is advised to consider seeking professional guidance with respect to its use of this publication.

This publication is not intended to constitute a contract. Users are responsible for its correct application.

This publication has been prepared under a mandate given to the European Standards Organizations by the European Commission and the European Free Trade Association. It is intended to support requirements of the EU legislation detailed in the European Foreword. A European Annex, usually Annex ZA or ZZ, describes how this publication relates to that EU legislation.

For the Great Britain market (England, Scotland and Wales), if UK Government has designated this publication for conformity with UKCA marking (or similar) legislation, it may contain an additional National Annex. Where such a National Annex exists, it shows the correlation between this publication and the relevant UK legislation. If there is no National Annex of this kind, the relevant Annex ZA or ZZ in the body of the European text will indicate the relationship to UK regulation applicable in Great Britain. References to EU legislation may need to be read in accordance with the UK designation and the applicable UK law. Further information on designated standards can be found at [www.bsigroup.com/standardsandregulation](http://www.bsigroup.com/standardsandregulation).

For the Northern Ireland market, UK law will continue to implement relevant EU law subject to periodic confirmation. Therefore Annex ZA/ZZ in the European text, and references to EU legislation, are still valid for this market.

This is a preview of BS EN IEC 60079-25:2022+A1:2025. [Click here to purchase the full version from the ANSI store](#)

UK Government is responsible for legislation. For information on legislation and policies relating to that legislation, consult the relevant pages of [www.gov.uk](http://www.gov.uk).

© The British Standards Institution 2025  
Published by BSI Standards Limited 2025

ISBN 978 0 539 30171 7

ICS 13.230; 29.260.20

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

This British Standard was published under the authority of the Standards Policy and Strategy Committee on 30 September 2022.

#### **Amendments/corrigenda issued since publication**

Date	Text affected
30 April 2023	Implementation of IEC corrigendum November 2022
30 November 2025	Implementation of IEC amendment 1:2025 with CENELEC endorsement A1:2025



This is a preview of BS EN IEC 60079-25:2022+A1:2025. [Click here to purchase the full version from the ANSI store](#)

## EUROPÄISCHE NORM

November 2025

ICS 29.260.20

Supersedes EN 60079-25:2010; EN 60079-25:2010/AC:2013

English Version

**Explosive atmospheres - Part 25: Intrinsically safe electrical systems**  
**(IEC 60079-25:2020 + COR1:2020)**

Atmosphères explosives - Partie 25: Systèmes électriques de sécurité intrinsèque  
(IEC 60079-25:2020 + COR1:2020)

Explosionsfähige Atmosphäre - Teil 25: Eigensichere Systeme  
(IEC 60079-25:2020 + COR1:2020)

This European Standard was approved by CENELEC on 2022-05-25. 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.

CENELEC members are the national electrotechnical committees of Austria, Belgium, Bulgaria, Croatia, Cyprus, the Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, the Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and the United Kingdom.



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

**CEN-CENELEC Management Centre: Rue de la Science 23, B-1040 Brussels**

This is a preview of BS EN IEC 60079-25:2022+A1:2025. [Click here to purchase the full version from the ANSI store](#)

## European foreword

The text of document 31G/318/FDIS, future edition 3 of IEC 60079-25, prepared by SC 31G "Intrinsically-safe apparatus" of IEC/TC 31 "Equipment for explosive atmospheres" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60079-25:2022.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2023-03-09
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2025-09-09

This document supersedes EN 60079-25:2010 and all of its amendments and corrigenda (if any).

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

This document has been prepared under a Standardization Request given to CENELEC by the European Commission and the European Free Trade Association, and supports essential requirements of EU Directive(s) / Regulation(s).

For the relationship with EU Directive(s) / Regulation(s), see informative Annex ZZ, which is an integral part of this document.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

## Endorsement notice

The text of the International Standard IEC 60079-25:2020 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 60529 NOTE Harmonized as EN 60529

---

## Endorsement notice to corrigendum November 2022

The text of the corrigendum IEC 60079-25:2020/COR2:2022 was approved by CENELEC as EN IEC 60079-25:2022/AC:2022-12 without any modification.

This is a preview of BS EN IEC 60079-25:2022+A1:2025. [Click here to purchase the full version from the ANSI store](#)

## European foreword to amendment A1

The text of document 31G/426/FDIS, future edition 3 of IEC 60079-25/AMD1, prepared by SC 31G "Intrinsically-safe apparatus" of IEC/TC 31 "Equipment for explosive atmospheres" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60079-25:2022/A1:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2026-11-30
- latest date by which the national standards conflicting with the document have to be withdrawn (dow) 2028-11-30

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

This document has been prepared under a standardization request addressed to CENELEC by the European Commission. The Standing Committee of the EFTA States subsequently approves these requests for its Member States.

Any feedback and questions on this document should be directed to the users' national committee. A complete listing of these bodies can be found on the CENELEC website.

## Endorsement notice

The text of the International Standard IEC 60079-25:2020/AMD1:2025 was approved by CENELEC as a European Standard without any modification.