



BSI Standards Publication

Explosive atmospheres

Part 31: Equipment dust ignition protection by enclosure "t"

This is a preview of BS EN IEC 60079-31:2024. [Click here to purchase the full version from the ANSI store.](#)

National foreword

This British Standard is the UK implementation of EN IEC 60079-31:2024. It is identical to IEC 60079-31:2022, incorporating corrigendum October 2023. It supersedes BS EN 60079-31:2014, which is withdrawn.

The start and finish of text introduced or altered by corrigendum is indicated in the text by tags. Text altered by IEC corrigendum October 2023 is indicated in the text by **AC1** ~~AC1~~.

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.

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Amendments/corrigenda issued since publication

Date	Text affected
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EUROPÄISCHE NORM

March 2024

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Supersedes EN 60079-31:2014

English Version

Explosive atmospheres - Part 31: Equipment dust ignition
protection by enclosure "t"
(IEC 60079-31:2022 + COR1:2023)

Atmosphères explosives - Partie 31: Protection contre
l'inflammation de poussières par enveloppe "t" relative à
l'appareil
(IEC 60079-31:2022 + COR1:2023)

Explosionsgefährdete Bereiche - Teil 31: Geräte-
Staubexplosionsschutz durch Gehäuse "t"
(IEC 60079-31:2022 + COR1:2023)

This European Standard was approved by CENELEC on 2023-12-13. 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
Comité Européen de Normalisation Electrotechnique
Europäisches Komitee für Elektrotechnische Normung

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

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European foreword

The text of document 31/1595/FDIS, future edition 3 of IEC 60079-31+COR1, prepared by IEC/TC 31 "Equipment for explosive atmospheres" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60079-31:2024.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2024-09-13 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2026-12-13 document have to be withdrawn

This document supersedes EN 60079-31:2014 and all of its amendments and corrigenda (if any).

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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 60079-31:2022+COR1:2023 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 60079-14 NOTE Approved as EN 60079-14

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(normative)

Normative references to international publications with their corresponding European publications

The following documents are referred to in the text in such a way that some or all of their content constitutes requirements 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 1 Where 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.cencenelec.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 IEC 60079-0	-
IEC 60127	series	Miniature fuses	-	series
IEC 60269	series	Low-voltage fuses	EN 60269	series
IEC 60691	-	Thermal-links - Requirements and application guide	EN IEC 60691	-
IEC 60529	-	Degrees of protection provided by enclosures (IP Code)	-	-
IEC 60034-5	-	Rotating electrical machines - Part 5: Degrees of protection provided by the integral design of rotating electrical machines (IP code) - Classification	EN IEC 60034-5	-
ISO 965-1	-	ISO general purpose metric screw threads - Tolerances - Part 1: Principles and basic data	-	-
ANSI/ASME B1.20.1	-	Pipe threads, general purpose (inch)	-	-
ANSI/UL 248	series	Standard for low-voltage fuses	-	series

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