
Eksplozivne atmosfere - 45. del: Električni sistemi za vžig motorjev z notranjim zgorevanjem (IEC 60079-45:2025)

Explosive atmospheres - Part 45: Electrical ignition systems for internal combustion engines (IEC 60079-45:2025)

Explosionsgefährdete Bereiche – Teil 45: Elektrische Zündsysteme für Verbrennungsmotoren (IEC 60079-45:2025)

Atmosphères explosives - Partie 45: - Systèmes d'allumage électrique pour les moteurs à combustion interne (IEC 60079-45:2025)

Ta slovenski standard je istoveten z: EN IEC 60079-45:2025

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ICS:

27.020	Motorji z notranjim zgorevanjem	Internal combustion engines
29.260.20	Električni aparati za eksplozivna ozračja	Electrical apparatus for explosive atmospheres

SIST EN IEC 60079-45:2025

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EUROPEAN STANDARD
NORME EUROPÉENNE
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EN IEC 60079-45

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ICS 29.260.20; 43.060.50

English Version

**Explosive atmospheres - Part 45: Electrical ignition systems for
internal combustion engines
(IEC 60079-45:2025)**

Atmosphères explosives - Partie 45: Systèmes d'allumage
électrique pour les moteurs à combustion interne
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Explosionsgefährdete Bereiche - Teil 45: Elektrische
Zündsysteme für Verbrennungsmotoren
(IEC 60079-45:2025)

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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

EN IEC 60079-45:2025 (E)**European foreword**

The text of document 31/1880/FDIS, future edition 1 of IEC 60079-45, prepared by TC 31 "Equipment for explosive atmospheres" was submitted to the IEC-CENELEC parallel vote and approved by CENELEC as EN IEC 60079-45:2025.

The following dates are fixed:

- latest date by which the document has to be implemented at national (dop) 2026-10-31 level by publication of an identical national standard or by endorsement
- latest date by which the national standards conflicting with the (dow) 2028-10-31 document have to be withdrawn

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Endorsement notice

The text of the International Standard IEC 60079-45:2025 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 standard indicated:

IEC 60079-14	NOTE Approved as EN IEC 60079-14
IEC 60079-15	NOTE Approved as EN IEC 60079-15
IEC 60079-18	NOTE Approved as EN 60079-18
IEC 60079-25	NOTE Approved as EN IEC 60079-25
IEC 60079-33	NOTE Approved as CLC/TR 60079-33
ISO 19879:2021	NOTE Approved as EN ISO 19879:2021 (not modified)

Annex ZA (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.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 IEC 60079-0	-
IEC 60079-1	-	Explosive atmospheres - Part 1: Equipment protection by flameproof enclosures "d"	EN 60079-1	-
IEC 60079-7	-	Explosive atmospheres - Part 7: Equipment protection by increased safety "e"	EN 60079-7	-
IEC 60079-11	-	Explosive atmospheres - Part 11: Equipment protection by intrinsic safety "i"	EN IEC 60079-11	-
ISO 11565	-	Road vehicles - Spark-plugs - Test methods and requirements	-	-
ISO/IEC 80079-41 ¹	-	Explosive atmospheres - Part 41: Reciprocating internal combustion engines	EN ISO/IEC 80079-41 ²	-
SAE J2031	-	High-Tension Ignition Cable	-	-

¹ Under preparation. Stage at the time of publication: ISO/IEC/CCDV 80079-41:2025.

² Under preparation. Stage at the time of publication: prEN ISO/IEC 80079-41:2025.



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**Explosive atmospheres -
Part 45: Electrical ignition systems for internal combustion engines**

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<https://standards.iteh.ai/catalog/standards/sist/eadb6d39-f31f-49db-8cf6-ccaba5e9da42/sist-en-iec-60079-45-2025>