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Electrical apparatus for the detection of carbon monoxide in domestic premises - Part 2: Electrical apparatus for continuous operation in a fixed installation in recreational vehicles and similar premises including recreational craft - Additional test methods and performance requirements

EESTI STANDARDI EESSÕNA

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ICS 13.320

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English version

**Electrical apparatus for the detection of carbon monoxide
in domestic premises -**

**Part 2: Electrical apparatus for continuous operation in a fixed installation
in recreational vehicles and similar premises including recreational craft -
Additional test methods and performance requirements**

Appareils électriques pour la détection
du monoxyde de carbone dans les locaux
à usage domestiques -
Partie 2: Appareils électriques
en fonctionnement continu
et en installation fixe dans les véhicules
de loisir et locaux similaires incluant
les embarcations de loisir -
Méthodes d'essai supplémentaires
et exigences d'aptitude à la fonction

Elektrische Geräte für die Detektion
von Kohlenmonoxid in Wohnhäusern -
Teil 2: Ortsfeste elektrische Geräte
zum kontinuierlichen Betrieb
in Freizeitfahrzeugen und ähnlichen
Umgebungen einschließlich Sportbooten -
Ergänzende Prüfverfahren und
Anforderungen an das Betriebsverhalten

This European Standard was approved by CENELEC on 2010-04-15. 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 Central Secretariat 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 Central Secretariat 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, Romania, Slovakia, Slovenia, Spain, Sweden, Switzerland and the United Kingdom.

CENELEC

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

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Foreword

This European Standard was prepared by the Technical Committee CENELEC TC 216, Gas detectors.

The text of the draft was submitted to the formal vote and was approved by CENELEC as EN 50291-2 on 2010-04-15.

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

The following dates were fixed:

- latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement (dop) 2011-04-15
- latest date by which the national standards conflicting with the EN have to be withdrawn (dow) 2013-04-15

This Part 2 is to be used in conjunction with EN 50291-1:2010.

This Part 2 supplements or modifies the corresponding clauses of EN 50291-1:2010. Where this Part 2 states "addition", "modification" or "replacement", the relevant text of Part 1 is to be adapted accordingly.

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1 Scope

This European Standard specifies general requirements for the construction, testing and performance of electrically operated carbon monoxide gas detection apparatus, designed for continuous operation in a fixed installation in recreational vehicles and similar premises including recreational craft.

NOTE For caravan holiday homes EN 50291-1 applies.

This European Standard specifies apparatus designed to operate in the event of an escape of carbon monoxide and to provide a visual and audible alarms only (Type B of EN 50291-1), or to provide visual and audible alarms and an executive action in the form of an output signal that can actuate directly or indirectly a shut-off device and/or other ancillary device (Type A of EN 50291-1).

This European Standard excludes apparatus

- for the detection of combustible gases, other than carbon monoxide itself (see EN 50194-1),
- for the detection of CO in industrial installations (see EN 45544-1, EN 45544-2 and EN 45544-3) or commercial premises,
- for CO measurement for smoke and fire detection.

2 Normative references

The following referenced documents are indispensable for the application 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.

EN 50270:2006	Electromagnetic compatibility – Electrical apparatus for the detection and measurement of combustible gases, toxic gases or oxygen
EN 50291-1	Electrical apparatus for the detection of carbon monoxide in domestic premises – Part 1: Test methods and performance requirements
EN 60068-2-6	Environmental testing – Part 2-6: Tests – Test Fc: Vibration (sinusoidal) (IEC 60068-2-6)
EN 60068-2-7	Environmental testing – Part 2-7: Tests – Test Ga: Acceleration, steady state (IEC 60068-2-7)
EN 60068-2-27	Environmental testing – Part 2-27: Tests – Test Ea and guidance: Shock (IEC 60068-2-27)
EN 60529:1991	Degrees of protection provided by enclosures (IP Code) (IEC 60529:1989)
EN 60721-3-6:1993	Classification of environmental conditions – Part 3-6: Classification of groups of environmental parameters and their severities – Ship environment (IEC 60721-3-6:1987 + A1:1991)
EN 60945:2002	Maritime navigation and radiocommunication equipment and systems – General requirements – Methods of testing and required test results (IEC 60945:2002)
ISO 7637-1:2002	Road vehicles – Electrical disturbances from conduction and coupling – Part 1: Definitions and general considerations
ISO 7637-2:2004	Road vehicles – Electrical disturbances from conduction and coupling – Part 2: Electrical transient conduction along supply lines only