

**Explosive atmospheres -- Part 30-2:
Electrical resistance trace heating -
Application guide for design,
installation and maintenance**

Explosive atmospheres -- Part 30-2: Electrical
resistance trace heating - Application guide for
design, installation and maintenance

EESTI STANDARDI EESSÕNA

NATIONAL FOREWORD

<p>Käesolev Eesti standard EVS-EN 60079-30-2:2007 sisaldab Euroopa standardi EN 60079-30-2:2007 ingliskeelset teksti.</p> <p>Käesolev dokument on jõustatud 19.06.2007 ja selle kohta on avaldatud teade Eesti standardiorganisatsiooni ametlikus väljaandes.</p> <p>Standard on kättesaadav Eesti standardiorganisatsioonist.</p>	<p>This Estonian standard EVS-EN 60079-30-2:2007 consists of the English text of the European standard EN 60079-30-2:2007.</p> <p>This document is endorsed on 19.06.2007 with the notification being published in the official publication of the Estonian national standardisation organisation.</p> <p>The standard is available from Estonian standardisation organisation.</p>
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<p>Käsitlusala:</p> <p>This part of IEC 60079 provides guidance for the application of electrical resistance trace heating systems in areas where explosive gas atmospheres may be present, with the exception of those classified as zone 0. It provides recommendations for the design, installation, maintenance and repair of trace heating equipment and associated control and monitoring equipment. It does not cover devices that operate by induction heating, skin effect heating or direct pipeline heating, nor those intended for stress relieving. This part supplements the requirements specified in IEC 60079-30-1.</p>	<p>Scope:</p> <p>This part of IEC 60079 provides guidance for the application of electrical resistance trace heating systems in areas where explosive gas atmospheres may be present, with the exception of those classified as zone 0. It provides recommendations for the design, installation, maintenance and repair of trace heating equipment and associated control and monitoring equipment. It does not cover devices that operate by induction heating, skin effect heating or direct pipeline heating, nor those intended for stress relieving. This part supplements the requirements specified in IEC 60079-30-1.</p>
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ICS 29.260.20

Võtmesõnad:

English version

**Explosive atmospheres -
Part 30-2: Electrical resistance trace heating -
Application guide for design, installation and maintenance
(IEC 60079-30-2:2007)**

Atmosphères explosives -
Partie 30-2: Traçage
par résistance électrique -
Guide d'application pour la conception,
l'installation et la maintenance
(CEI 60079-30-2:2007)

Explosionsfähige Atmosphäre -
Teil 30-2: Elektrische
Widerstands-Begleitheizungen -
Anwendungsleitfaden für Entwurf,
Installation und Instandhaltung
(IEC 60079-30-2:2007)

This European Standard was approved by CENELEC on 2007-03-01. 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 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, 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

Central Secretariat: rue de Stassart 35, B - 1050 Brussels

Foreword

The text of document 31/662/FDIS, future edition 1 of IEC 60079-30-2, prepared by IEC TC 31, Equipment for explosive atmospheres, was submitted to the IEC-CENELEC parallel vote and was approved by CENELEC as EN 60079-30-2 on 2007-03-01.

This European Standard supersedes EN 62086-2:2005.

The general revisions and updating to produce EN 60079-30-2:2007 are a result of national comments received.

The main technical differences apart from the general revision and updating of EN 62086-2:2005 are as follows:

- corrections;
- extensive revision and additions for design and installation recommendations.

This standard is to be used in conjunction with EN 60079-30-1:2007, *Explosive atmospheres – Part 30-1: Electrical resistance trace heating – General and testing requirements*.

The following dates were fixed:

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|--|-------|------------|
| – latest date by which the EN has to be implemented at national level by publication of an identical national standard or by endorsement | (dop) | 2007-12-01 |
| – latest date by which the national standards conflicting with the EN have to be withdrawn | (dow) | 2010-03-01 |

Annex ZA has been added by CENELEC.

Endorsement notice

The text of the International Standard IEC 60079-30-2:2007 was approved by CENELEC as a European Standard without any modification.

Annex ZA (normative)

Normative references to international publications with their corresponding European publications

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.

NOTE When an international publication has been modified by common modifications, indicated by (mod), the relevant EN/HD applies.

<u>Publication</u>	<u>Year</u>	<u>Title</u>	<u>EN/HD</u>	<u>Year</u>
IEC 60079-0 (mod)	2004	Electrical apparatus for explosive gas atmospheres - Part 0: General requirements	EN 60079-0	2006
IEC 60079-1	2003	Electrical apparatus for explosive gas atmospheres - Part 1: Flameproof enclosures "d"	EN 60079-1 + corr. April	2004 2006
IEC 60079-7	2001	Electrical apparatus for explosive gas atmospheres - Part 7: Increased safety "e"	EN 60079-7 ¹⁾	2003
IEC 60079-10	2002	Electrical apparatus for explosive gas atmospheres - Part 10: Classification of hazardous areas	EN 60079-10	2003
IEC 60079-14	1996	Electrical apparatus for explosive gas atmospheres - Part 14: Electrical installations in hazardous areas (other than mines)	EN 60079-14 ²⁾	1997
IEC 60079-17	1996	Electrical apparatus for explosive gas atmospheres - Part 17: Inspection and maintenance of electrical installations in hazardous areas (other than mines)	EN 60079-17 ³⁾	1997
IEC 60079-30-1	2007	Explosive atmospheres - Part 30-1: Electrical resistance trace heating - General and testing requirements	EN 60079-30-1	2007

¹⁾ EN 60079-7 is superseded by EN 60079-7:2007, which is based on IEC 60079-7:2006.

²⁾ EN 60079-14 is superseded by EN 60079-14:2003, which is based on IEC 60079-14:2002.

³⁾ EN 60079-17 is superseded by EN 60079-17:2003, which is based on IEC 60079-17:2002.